Jp2g Consultants Inc.
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VOLUME 2 - APPENDICES

2021 ANNUAL MONITORING REPORT

CITY OF BROCKVILLE LANDFILL SITE,

ECA NO. A440101

Former City Landfill,

Former Salvage Yard and

MOE Investigation Area

Submitted by:

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APPENDIX 1
MECP and PLMG Related Documentation

The Brockville Landfill Public Liaison and Monitoring Group (PLMG)
c/o Mr. Todd Stafford
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December 1, 2021

Dear PLMG members,

On your behalf I have reviewed the 2020 Annual Monitoring Report for the current and former City of Brockville Landfill Sites (hereafter referred to as the 2020 Report), which was prepared by Golder Associates Ltd. and issued in May 2021. My comments and recommendations following my review of the 2020 Report are summarized below:

1) Introduction

For many decades the City of Brockville disposed of its wastes at 2 landfill sites on Parkedale Road, in what was then a rural area.

The former City landfill (which is best described as a dump) was situated on the south side of Parkedale Road in the area of the radio tower, and closed in 1963. It received a variety of municipal and industrial wastes, including what are now known to be hazardous wastes. Right after it closed, the City of Brockville opened its new landfill across the road on the north side of Parkedale Avenue. That newer landfill was in operation from 1964 until 2000.

In all, the families living in the area have been putting up with the effects of these waste disposal operations and their aftermath for many decades. Little attention was paid to landfill design or to protecting the environment until recently, and by that point extensive damage had been done.

There are plumes of contaminated groundwater leaking out of both the old (pre-1963) landfill and the newer Brockville Landfill, and causing contamination of the downgradient groundwater flow system. The two landfills contain thousands of chemicals, many of which are harmless but some of which are potentially quite harmful if humans ingest or come into contact with them.

It would be good for the City to continue working on making amends for this unfortunate historic legacy, by developing and implementing a new End Use Plan (in consultation with the PLMG).

2) Critical Contaminants in Groundwater

The newer landfill (which closed in 2000) and especially the old landfill (which closed in 1963) are potent sources of local groundwater contamination. The **critical contaminants** in the landfills (those most likely to cause unacceptable health-related groundwater impacts) are 2 volatile organic chemicals (VOCs) which are found in leachate from both landfills:

- **Trichloroethylene** (TCE) is a suspected carcinogen, which has an Ontario Drinking Water Quality Standard or (ODWQS) of 5 micrograms/Liter (or ug/L). TCE is a fairly common industrial chemical, which will have been used in local industries and disposed of at the landfills. Over time, most of the TCE in the landfills will have broken down into 2 daughter products - dichloroethylene (or DCE) and vinyl chloride.

- **Vinyl Chloride** (VC) is a known carcinogen, which has an even lower ODWQS than TCE of 1 ug/L. Vinyl chloride is a carcinogen which is not found in nature, and which is present in the landfills' leachate (together with its parent products DCE and TCE). Vinyl chloride is the contaminant of greatest concern for Brockville's two closed landfills.

3) Nature and Extent of Groundwater Contamination from the Two Landfills

a) Introduction

The City-owned newer landfill and former landfill have combined to cause extensive groundwater contamination (by TCE and VC) in the surrounding area. There is also very minor TCE contamination coming from private properties west of the landfills, and some TCE and VC contamination is coming from a former salvage yard which is situated between the two landfills (on a portion of the Highland Golf Course property).

The groundwater contamination plumes from the various sources overlap and co-mingle, making it hard in many areas to determine the ultimate source(s) for contamination at a given location.

However the source areas for the area's vinyl chloride and TCE plumes in order of strength of the contaminant sources are generally agreed to be as follows:

- the former landfill (the strongest source);
- the current Brockville Landfill (a significant source);
- the former salvage yard (a weaker source);
- the properties in the MOE investigation area (the weakest source).

While the 2 weakest sources (the MOE investigation area and the former salvage yard) have a minor effect on groundwater quality in a few limited areas, the major sources of contamination are the two landfills and in particular the former landfill.

The 2020 groundwater monitoring results presented in the 2020 Report show contaminant plumes extending outward from both landfills, as discussed in more detail in the next sections of this review.

b) VOC Plume from the Brockville Landfill

The contaminant plume from the (newer) Brockville Landfill extends through the groundwater flow system for several hundred meters to the south and west off the landfill property.

The highest levels of contamination found in the Brockville Landfill's area of definitive sole influence in 2020 were **29 ug/L** recorded at the 91-2 well nest (on the landfill's south property boundary), and **39 ug/L** at the 91-3 monitoring well nest. The 91-3 well nest is situated along Grant's Creek, about 150 m downstream and immediately downgradient of the City Landfill.

Vinyl chloride levels at the 91-3 well nest have fluctuated significantly since 2010 (as shown in **Table 1** below). **Table 1** shows the VC levels in wells 91-3M and 91-3D since 2010. At times the highest VC levels are found in well 91-3M and at times in well 91-3D. The 2015 VC level of 62 ug/L was the highest ever recorded at well 91-3D, but well 91-3M has had even higher levels in the more distant past.

It is not entirely clear what is causing caused the observed fluctuations in contamination in this well nest. Notable is the fact that the peak levels in the two wells do not coincide - it is always one well or the other which has distinctly higher VC levels.

My impression is that the contaminant plume emanating from the Brockville Landfill is horizontally planar and of limited vertical thickness, and that the core of the plume (as seen vertically) lies between the screens of 91-3M and 91-3D. As the vertical position of the plume shifts slightly over time, it is either 91-3M or 91-3D which is recording the highest contaminant levels. In 2020 the position of the plume has shifted higher, leading to a level of **1 ug/L** for VC in 91-3D and to a much higher VC level of **39 ug/L** in the shallower 91-3M monitoring well.

Table 1 - Vinyl Chloride (VC) Concentrations at the 91-3 Well Nest (in ug/L)

Year	VC Levels in 91-3M	VC Levels in Well 91-3D
2010	22	2
2011	45	3
2012	13	42
2013	21	34
2014	2	38
2015	2	62
2016	16	29
2017	33	<1
2018	48	8
2019	44	2
2020	39	1

Note: all units in micrograms per litre (ug/L)

Further monitoring of this well nest is warranted, but I see no need for any other actions at this time. The 91-3D well nest is situated squarely within the Brockville Landfill's Contaminant Attenuation Zone (CAZ) and thus is appropriately regulated.

Overall, the Brockville Landfill's contaminant plume is mostly contained/attenuated within the CAZ which the City has negotiated with the owners of the adjacent Golf Course property. One possible exception is at the southwest corner of the CAZ where in 2020 vinyl chloride levels averaged about **7 ug/L** at monitor 98-9D. This monitor is also potentially downgradient of the salvage yard, so the case is not clear cut.

c) Reasonable Use Assessment for Brockville Landfill

The Reasonable Use criteria for TCE are 1.25 ug/L, and for VC are 0.25 ug/L. I reject the assertion in the 2020 Report that there is TCE or VC in background groundwater in this area, and that higher Reasonable Use criteria for TCE of 1.6 ug/L, and for VC of 0.4 ug/L should apply.

Trace levels of vinyl chloride were found in 3 of 6 compliance monitoring wells along the south boundary of the Brockville Landfill's CAZ in 2020:

- well 93-2D had VC levels of **0.4 ug/L** in spring 2020, but non-detect in the summer sampling
- well 93-5S had VC levels of **0.5 ug/L** in spring 2020, and **2.5 ug/L** in the summer sampling
- well 93-5D had VC levels of **0.5 ug/L** in spring 2020, but non-detect in the summer sampling

Traces of TCE were also found in 93-5S and 93-5D, but levels were far below the Reasonable Use criteria for TCE of 1.25 ug/L.

Unexpectedly, VC and TCE were found at levels of **0.4 ug/L** at all depths in the 99-11 well nest south of Highway 401 and downgradient of the Brockville Landfill and salvage yard. Further testing is indicated for 2021.

Based on the above results I consider the Brockville Landfill to have not been in compliance with the Reasonable Use Guideline in 2020. If these exceedences persist then the MECP will need to be notified and mitigation plans will need to be developed.

d) VOC Plumes from the Former Landfill

Two vinyl chloride contaminant plumes which extend outward from the former City landfill (which was in use until 1963, after which the Brockville Landfill opened) are certainly not attenuated on City owned or controlled lands.

The main plume extends southwestward from the former landfill through the 99-2 well nest. Vinyl chloride levels in the deep well at this location (99-2D), reached their highest-ever level of 73 ug/L in 2018 but dropped significantly to **13 ug/L** in 2020.

Vinyl chloride levels at shallow well 99-2S have risen dramatically since the well was installed in 1999, and in 2020 were measured at **374 ug/L**, which is 374 times the ODWQS for vinyl chloride of 1 ug/L.

The former landfill's main vinyl chloride plume which is tracked at 99-2S may be approaching a steady state, with levels fluctuating significantly in the years since the well was installed in 1999 (as shown in **Table 2** below). Levels of vinyl chloride at 99-2S and 99-2D had been trending irregularly upwards but the test results of the past few years suggest that they may be levelling off - hopefully reducing the likelihood of off-site groundwater impacts in areas beyond the boundaries of the City-owned (former Pakeman) property which the well nest is situated on.

Table 2 - Vinyl Chloride Concentrations at the 99-2S Location (in ug/L)

Year	Vinyl Chloride Levels in Well 99-2S (ug/L)
1999	89
2000	0.25
2001	119
2002	0.25
2003	250
2004	135
2005	193
2006	251
2007	226
2008	226
2009	no test
2010	1500
2011	357
2012	353
2013	251
2014	312
2015	412
2016	458
2017	340
2018	500
2019	244
2020	374

A minor plume also extends southward from the former landfill through well 99-5M. Vinyl chloride levels in 2020 at well 99-5M were **15.7 ug/L**, about 16 times the new ODWQS of 1 ug/L. At any other landfill this plume would be a matter of urgent concern - but given the much higher vinyl chloride contamination levels elsewhere this plume is considered minor.

The plume fronts of the aforementioned major and minor plumes from the former landfill will extend many hundreds of meters to the south and west, and in my professional opinion it is a certainty that the main plume extends southward and/or southwestward under Highway 401 and far beyond the highway.

I am gravely concerned that the plume front (from the former landfill) south of Highway 401 has not been mapped out or defined, and that it poses a continued potential threat to domestic water wells which are completed in the bedrock south of Highway 401.

There are potentially downgradient monitoring wells at 2 locations south of Highway 401 to the south and west of the former landfill: wells 00-1D, 00-1M, and 00-1S; and well 00-3.

Vinyl chloride and/or TCE have been detected most years since 2002 at monitoring well 00-3 south of Highway 401, with **0.4 ug/L** vinyl chloride found in 2020. This is a flowing well situated just north of the CNR rail line. TCE and vinyl chloride were also detected at **0.4 ug/L** in the 00-1 well nest at all depths in 2020.

It is highly unlikely that monitoring wells at the 00-1 or 00-3 locations happen to be situated at the core of the contamination south of Highway 401. It is more likely that considerably worse groundwater contamination is on the move somewhere south of Highway 401, and the incomplete coverage of monitoring wells means that it is unclear exactly where that contamination is or where it is headed.

It should be noted that domestic or irrigation wells which are intensely used will act as local "discharge points" and draw contamination inward toward them.

e) Very High Levels of Vinyl Chloride at Well 98-2D

Very high vinyl chloride levels (**175 ug/L**) were recorded at well 98-2D in 2015. This was the highest level ever recorded in the well, and caused me to conduct a wholesale review of what might be happening to cause this upward spike in contamination.

Over the past several decades vinyl chloride levels have been declining steadily throughout the area of the Brockville landfills with only four exceptions - at the 91-3 well nest, at 98-8M, and at 99-2S (each discussed in previous sections of this review), and at this 98-2 well nest location.

Well 98-2D is situated on the hill which is the site of the former salvage yard. Groundwater quality at this location is most likely affected by the former salvage yard, and perhaps by the City Landfill and/or the former Landfill. Monitoring data for 98-2D, 98-2M, and 98-2S are provided in **Table 3** below, and show the very rapid rise in vinyl chloride levels which occurred at 98-2D from 2010 through 2015.

It is possible that surface contaminant sources in this area may have been contributing to the increasing vinyl chloride levels at well 98-2D. Many of my past tours of the area revealed various wastes strewn about in the immediate vicinity of the well. It is my understanding and observation that in 2015 (after years of urging) the property owner inspected the area around the 98-2 well nest, and removed many of the wastes which were present. This is a good thing.

Table 3 - TCE and VC Concentrations at the 98-2 Location (in ug/L)

Year	98-2S		98-2M		98-2D	
	TCE	VC	TCE	VC	TCE	VC
1998	19	-	98	-	11	29
1999	12	-	81	-	17	68
2000					53	-
2001					22	32
2002					116	6.4
2003					85	3.5
2004					120	1.0
2005					63	2.4
2006					72	0.8
2007					34	1.8
2008					34	1.8
2009					16	2.5
2010					-	-
2011					-	13
2012					-	41
2013					-	48
2014					-	59
2015					-	175
2016	66	-	31	5	-	122
2017	48	-	17	7	-	57
2018	39	-	35	0.4	-	59
2019	9	-	21	0.4	-	86
2020	30	-	30	0.4	-	54

Note: - means contaminant (TCE or VC) not detected

If there were surface contaminant sources contributing to the VOCs being detected in well 98-2D, then it is quite possible that elevated levels of VOCs would also be detectable in the shallower monitoring wells at this location. These shallower wells (98-2M and 98-2S) had not been monitored since 1999, and in my reviews of the 2012 to 2015 Reports I had recommended that this be done. The MOECC reviewer likewise recommended this, and the recommended sampling of the shallower wells (98-2M and 98-2S) has been carried out yearly since 2016 (please see **Table 3**).

The fact that TCE levels in the shallowest well (98-2S) were higher from 2016 - 2018 (at **39 to 66 ug/L**) than in the late 1990s (when they were <20 ug/L), suggests that there may have been an ongoing TCE source in the vicinity of the well. If there hadn't been an ongoing TCE source, then TCE levels should have been slowly subsiding over time.

Well 98-2S is screened about 10-11 meters below the ground surface and the ground surface in the area of the well is at about 113 meters above sea level (masl), so the well screen is at about 102-103 meters above sea level. The ground surface along the creek tributary just north of Parkedale Ave. (100 meters north of 98-2S) is <105 masl.

It is likely that much of any shallow contamination migrating southward from the Brockville Landfill in this area would discharge to the creek tributary. The aforementioned tributary also carries surface water contamination flowing eastward from the east end of the more badly contaminated former landfill. It is possible that the tributary is a "losing stream" during drier periods, and that some water from the tributary ends up in 98-2S. It is also possible that the TCE contamination in 98-2S is "homegrown" (ie. from a local source on the hill which was the home of the salvage yard).

It would take additional monitoring wells and careful surveying to try to tease out which source(s) contribute to the elevated TCE levels in 98-2S. I consider it very likely that the higher TCE levels in the shallower wells (98-2S and 98-2M) are linked to the higher vinyl chloride levels in the deeper well at this location (98-2D).

This remains a situation of concern. Vinyl chloride levels at 98-2S and 98-2D are now the highest anywhere in the potential area of influence of the Brockville Landfill Site (operated 1963-2000). So further monitoring is certainly warranted. It is also worth checking to see if any of the historic wells in this area (eg. B3, Trow, 98-1, or 88-14) are still functional, and if so to sample these wells for TCE and vinyl chloride.

<u>Recommendation 1 (carried forward from 2017 Review)</u>

Any still-functional shallow wells in the area of the southwest corner of the Brockville Landfill should be sampled for TCE and vinyl chloride.

In the meantime, review of **Table 3** shows that vinyl chloride and TCE levels have begun falling at the 98-2 well nest. It may just be coincidence that levels started dropping after a major property clean-up, and that the clean-up had nothing to do with the subsequent groundwater monitoring results. On the other hand, it certainly was beneficial to the natural environment for the clean up to have occurred and I urge the property owners to continue with their good work.

4) The Ongoing Need to Test Domestic Bedrock Wells South of Highway 401

TCE and vinyl chloride contaminant plumes from the City's two landfills are on the move in the bedrock groundwater flow system south of Highway 401. Neither the positions nor the fronts of the plumes have been delineated, and as a result there is a real and ongoing potential threat to public health and safety. There is a potential for contaminated groundwater to be drawn into one or more domestic wells downgradient of the two City-owned landfills, south of Highway 401.

As mentioned above, low levels of vinyl chloride and TCE have been detected at well 00-3 (which is about 400 meters south of Highway 401) for years. Well 00-3 is a flowing (artesian) well, implying that the groundwater unit tapped by the well has its source in the higher lands to the north. Low levels of VC and TCE have also been occasionally detected north of Highway 401 (half way from the former landfill to Lyn Road) at well nest location 00-2. Finally TCE and DCE are also being detected at **0.4 ug/L**) at wells 00-1D, 00-1M, and 00-1S (3/4 of the way from the former landfill to Lyn Road).

Domestic wells along Lyn Road in the highest-risk area south of Highway 401 (in the vicinity of the CNR line and Grant's Creek) were most recently tested by the Ministry of the Environment and Climate Change (MOECC) in **2021**, with results not yet available.
Domestic wells on Center Street were also tested in the past by the MOECC, and have regularly shown low-level TCE impacts (which may or may not be related to the landfills). Most recently access to the wells was not provided, however the MOECC intend to try again in future.

It is my professional opinion that regular testing of domestic wells which are completed in the bedrock to the south and west of the City of Brockville former and current landfills is required as a precautionary measure to ensure the protection of public health and safety. This recommendation is even more urgent in light of the ever-increasing trend in vinyl chloride levels at well 99-2S and 99-2D, and the new lower ODWQS for vinyl chloride. The MOECC has been testing these wells only every 3 years, with the next sampling event scheduled in 2023.

While it seems obvious that the City should be doing the testing of downgradient wells (given that it has lost track of contamination from its 2 landfills), the important thing is that it gets done at all. The MOECC is to be commended for its willingness to test the Lyn Road wells every 3 years. The City of Brockville should be testing in the other two years.

Recommendation 2 (carried forward from prior years)

Since the extent and fronts of the significant VOC plumes from the City's old and current landfills have not been defined in the bedrock groundwater flow system south of Highway 401, I recommend that sampling of downgradient domestic wells which are completed in the bedrock continue to be carried out on a regular basis (by either the City or the MOECC) as follows:

- **Domestic wells on Center Street should be tested biannually (every other year) for VOCs if possible.**

- **Selected domestic wells on Lyn Road (south of Highway 401) which draw water from the bedrock groundwater flow system should be tested annually for VOCs on a precautionary basis.**

5) Surface Water Monitoring Results

a) Introduction

The surface water monitoring data from recent years prior to 2020 had been encouraging, and indicated that the closed and capped landfills were not having significant impacts on water quality in tributaries of Grant's Creek beyond the City-owned or City-controlled properties downstream of the landfills.

This changed in 2020, when numerous leachate indicator parameters turned up in SW-5 (which is an in-line pond on Grant's Creek, immediately downgradient of the landfill) in two separate sampling rounds in June 2020. The results are discussed in detail in Section 5b) below.

b) Downstream of the City of Brockville Landfill

There have been no leachate breakouts due to overflows of the sheet-pile wall at the south end of the City Landfill since 2007, and this has had a very positive effect on downstream surface water quality since then. Surface water stations on the golf course property (downstream of the City of Brockville Landfill) generally showed acceptable water quality which is consistent with background water quality from 2007 through 2019.

This changed in June 2020, when testing of water from SW-5 detected the presence of elevated levels of numerous leachate indicator parameters. SW-5 is an in-line pond on Grant's Creek immediately downstream of the Brockville Landfill on the south side of Parkedale Avenue. It is the first sampling point on Grant's Creek downstream of the landfill.

Tests of samples taken on June 11th, 2020 and June 25, 2020 found elevated levels of leachate indicators including the following:
- alkalinity, barium, chloride, calcium, cobalt, hardness, iron, magnesium, manganese, sodium, strontium, and total phosphorous.

This concerning issue was not given the attention it deserved in the 2020 Report, or by the City in responding to the adverse test results from June 2020. As a result, I will provide the detailed analysis of those adverse test results which was missing from the 2020 Report.

Table 4 (on the next page of this review) provides a comparison of selected surface water quality test results at SW-5 for 2019 (prior to the June 2020 adverse test results), for June 2020, and for December 2020 (when the next samples were taken after June's adverse test results).

As can be seen from **Table 4**, levels of various leachate indicators were remarkably higher in June 2020 than previously in 2019 or subsequently in December 2020.

In my professional opinion, the Table 4 water chemistry results are reflecting a leachate breakout somewhere at the landfill prior to June 8, 2020. That leachate breakout flowed into and contaminated the Golf Course Pond at SW-5 for a period of at least 2 weeks.

Table 5 - Test Results for Station SW-5 Immediately Downstream of Brockville Landfill

Parameter	Average for 2019	Average June 2020	Dec. 2020 Level
alkalinity (mg/L)	210	361	194
barium (ug/L)	30	75	20
chloride (mg/L)	20	**114**	19
cobalt (ug/L)	ND	**1.2**	ND
hardness (mg/L)	237	383	214
iron, total (mg/L)	0.18	**2.7**	0.18
iron, dissolved (mg/L)	0.12	**1.1**	0.11
manganese (ug/L)	20	525	ND
sodium (mg/L)	15	80	14
strontium (ug/L)	0.15	0.51	0.19
total phosphorous (ug/L)	9	**98**	24

Note: - ND means parameter not detected
red numbers (eg. **1.1**) mean surface water quality limit exceeded

The response from the City and their consultants to the leachate breakout which impacted the golf course pond at SW-5 was disappointing.

Page B-13 of the 2020 Report attributes the adverse test results at SW-5 to “stagnant surface water conditions”. This is not a plausible explanation. The broad mix of landfill leachate indicators points to the upstream Brockville Landfill as the source of the Grant’s Creek contamination which led to the adverse test results at SW-5 in June 2020.

The response from the City and their consultants to the leachate breakout which impacted the golf course pond at SW-5 is described on page B-20 of the 2020 Report. My concerns about the response include the following:

- Neither the PLMG nor myself were notified of the adverse test results, or consulted about possible courses of action in response.

- There is no indication in the 2020 Report that there was any investigation at the landfill to determine where a leachate breakout may have occurred - if there was such an investigation it was not reported.

- Toxicity testing also does not appear to have been done on water from the golf course pond, even though surface water quality limits were exceeded for several parameters.

- There is no indication if the owners of the golf course were notified of the adverse test results.

The one action which seems to have been undertaken is that there was monthly testing done for iron only from August 2020 through January 2021. For some reason no test results were included in the 2020 Report, even though it was issued 4 months after the iron testing program concluded.

There are a number of issues which have arisen in the handling of this incident by the City and their consultants, which are addressed in the following recommendation.

Recommendation 3

a) If the City receives adverse test results which indicate that a leachate breakout may have occurred from the Brockville Landfill, then both the MECP and the PLMG should be notified with forthwith and should be provided with all subsequent test results as these become available.

b) When test results indicate that a leachate breakout may have occurred, then follow-up testing should be for the full surface water parameter list.

c) When follow-up testing has confirmed that a leachate breakout may have occurred and that surface water quality limits have been exceeded, then toxicity testing of the impacted surface water should commence and should continue monthly until water quality testing has confirmed that the breakout has ended.

Hopefully the 2020 leachate breakout which was detected at SW-5 was a one-time occurrence. Recommendation 3) above provides guidance on how to respond to any future such occurrences.

In the meantime, it is reassuring that by December 2020 water quality in Grant's Creek was back to normal. The results of the follow-up iron testing at SW-5 (which should please be provided as soon as possible) should provide a good indication as to how long the effects of the leachate breakout persisted.

c) Downstream of the Former Landfill

The regrading and proper capping of the former landfill in 2007 was certainly helpful in terms of reducing leachate production from that landfill. Reduced leachate production will generally translate into improved groundwater and surface water quality downgradient and downstream of the landfills.

It should be noted that the historic surface water monitoring data indicates that the breaching of the beaver dam in the wetland to the west of the former landfill also had a positive effect on surface water quality downstream of the former landfill.

Iron levels at station SW99-3 in the tributary of Grant's Creek downstream of the former landfill are stable and trending lower. There have been occasional (in 2009, 2012 and 2018) spikes in iron levels at SW 99-3 which were due at least in part to turbid (cloudy) water samples being taken in for analysis. The turbidity in the water is caused by clay particles, which include iron. The elevated iron levels in 2009, 2012, and 2018 appear to have little to do with the landfills - to a significant extent they simply reflect the turbid nature of the water samples. The dissolved iron testing which has been implemented at the request of the MECP confirms this interpretation.

Overall there is no reason to believe that the water quality in Grant's Creek is causing unacceptable off-site impacts downstream downstream of the former landfill - as the flows get diluted and attenuated in a large marsh just upstream of Highway 401. The City also purchased the property which covers most of the length of the creek north of 401 in 2003.

6) Trigger Levels for Iron in the Surface Water Monitoring Program

My previous annual report reviews had included lengthy discussions of the surface water monitoring program trigger levels for iron in surface water downstream of the City's landfills.

These discussions have come to a conclusion, in that the MOECC's surface water reviewer has carefully considered all submissions and has recommended two surface water criteria for iron (which have been accepted by the City):

- a trigger level of 1 mg/L for total iron
- a trigger level of 0.35 mg/L for dissolved iron.

I am in agreement with the trigger level for total iron. It is very close to what the City's consultants and I had been recommending.

Monitoring for dissolved iron had not been done previously at this landfill. The first results have come in as follows at SW99-3 (the station at the downstream end of City-owned property, on the Grant's Creek tributary which is normally most vulnerable to iron contamination):

Nov 2017	<0.03 mg/L
June 2018	<0.03 mg/L
Nov 2018	0.03 mg/L
June 2019	0.06 mg/L
Nov 2019	<0.03 mg/L
June 2020	<0.03 mg/L
Nov 2020	0.05 mg/L

The PWQO for dissolved iron is 0.3 mg/L, so these levels are well below the PWQO limit.

The June 2020 surface water impacts noted at station SW-5 in Grant's Creek downstream of the landfill were a different matter. Dissolved iron levels were 1.21 and 1.0 mg/L on June 11 and 25 respectively - far above the PWQO of 0.3 mg/L. I am looking forward with great interest to seeing the results of the supplementary iron testing that was carried out from August 2020 through January 2021.

7) C of A Amendment Regarding Final Cover on the City's Former and Current Landfills

On November 22, 2005 the MOECC approved the City's application for amendments to the landfill's Certificate of Approval, to allow the City until December 31, 2014 to finish applying final cover on the current landfill and in the interim to apply the resources which had been freed up to applying and/or improving final cover on the former City's (pre-1963) landfill site.
The City completed this 2-phase project (which ran from 2005 to 2014) as follows:

a) About 2 feet (0.65 m) of final cover was applied across the former (pre-1963) landfill site (covering wastes which had been exposed at the ground surface) and the landfill was properly graded to promote outward surface water runoff and to minimize infiltration.

b) Regarding the Brockville Landfill, the following work was undertaken:
- Phase 2 cover was applied to the south half of the west landfill slope in 2007;
- no Phase 2 cover was applied in 2008;
- 6500 cubic meters of Phase 2 cover were applied in 2009;
- no Phase 2 cover was applied in 2010;
- Phase 2 cover was applied in 2011 to the south slope of the current landfill;
- 1000 cubic meters of cover were applied in 2012;
- in 2013 350 tonnes of cover were applied;
- cover application was completed in 2014, with a final 10,000 cubic meters of fill and topsoil in 3 areas, with a further 1950 cubic meters of topsoil used to "top up" the general fill and hydroseeding then applied.

The PLMG supported this application, which I had brought forward at a PLMG meeting on May 26, 2004. The 2-phase approach to landfill closure saved the City many thousands of dollars and allowed the older former landfill to be capped. Completion of this project was a good example of the City and the PLMG working together to resolve an issue of concern.

8) End Use Plan for the Brockville Landfill

The approved Closure Plan for the Brockville Landfill was also developed in consultation with the PLMG. Within the Closure Plan was an End Use Plan for the landfill. It was a detailed plan for an active naturalized site which would be opened up and enjoyed by the public, and included features such as hiking trails, a viewing platform, a toboggan hill, and plantings on the closed landfill to enhance its appearance.

The City has since then changed its mind, and signalled that it does not wish to proceed with the approved End Use Plan (I believe at least in part due to the implementation costs). This has been disappointing to the PLMG, but I would like to suggest that it is worth seeing if a different approach might be possible.

In the 20 years since the site closed it has been naturalizing and trees have been self-seeding out of the surrounding woods. The landfill is now home to many species of plants, birds and animals. I think it is possible to build on these developments, and for the City and the PLMG to see if they can agree on a new End Use - for the closed landfill to become a passive Naturalization Site (ie. a natural environment protection area).

A Naturalization Site could be a very nice end use which is positive for the environment, and could include:
- doing some work to improve its potential as habitat for rare/endangered species
- doing some work to combat/reduce invasive species
- continuing with the pollinator initiative
- establishing a trail network including a perimeter trail and at least one big trail on top (with several connections down to the perimeter trail) and ideally a loop around the Bath pond
- a look out at the high point on top (this could just be a 2 meter mound of earth, with a couple of big slabs of quarry stone to sit on
- removal of the landfill gas system and other defunct landfill infrastructure
- planting of more trees around the perimeter (continuing what is being done on the east side).

Given the significant land base in the City's ownership, a very attractive naturalized site could be developed - featuring the elevated landform of the landfill (with a look out on top) and the adjacent pond on the former Bath property. I would encourage the City and the PLMG to undertake discussions to see if this idea might offer a way forward - having such discussions is what the PLMG is there for.

Recommendation 4 (ongoing recommendation)

a) The PLMG should request that the City enter into discussions regarding the end use of the City Landfill.

b) These discussions should consider working with and building on the naturalization of the site which has occurred since it was closed in 2000.

c) An End Use featuring a passive Naturalization Site in which the natural environment is enhanced and protected for the long term seems to offer a way forward.

9) Landfill Gas System

There is one final (operational) issue which I would like to bring to the attention of the City, MECP and the PLMG - which pertains to the landfill gas collection and flaring system. The landfill gas collection and flaring system was installed to reduce and mitigate landfill gas/odours. It served its purpose at the time, but has been shut down and slowly deteriorating since 2012.

The system could probably not be brought back into proper use after such a lengthy shut down. I am not an expert in such systems, but I have been around enough landfills over the course of my career to know what a functional system is supposed to look like. The system at the Brockville Landfill no longer has that appearance.

In the meantime, individual degrading gas wells (which penetrate through the landfill cover and extend deep into the landfill's wastes) have become a point source of odour issues at the landfill. In my annual site tours I have seen plastic hoses which are supposed to connect the wells to the underground piping system are degrading and in some cases becoming uncoupled, and that the seals of several of the wells are visibly failing. In both types of cases, the dysfunctional wells are becoming a source of leakage of gas/odours from inside the landfill into the environment.

The 2016 to 2019 Reports did not reference my personal reporting of my observation of landfill gas odours during my site visits in 2015 to 2018. In 2016 I had detected significant odours from a gas well at the top of the landfill overlooking the flare system. In 2017, strong odours were coming from a poorly sealed landfill gas well at the top of the access road. During my 2018 tour I observed massive settlement, unhooked tubing, and strong odours from another gas well on top of the landfill.

I urge the City to decommission the dysfunctional landfill gas system as soon as is practicable. It may be helpful for the PLMG to make a recommendation to the City in this regard.

Recommendation 5 (ongoing recommendation)

The City should decommission the landfill gas system (which is no longer functional) as soon as is practicable.

In closing, I can summarize that from an overall environmental perspective things are generally heading in the right direction when it comes to the post-closure monitoring and management of both the current and the former City landfill sites. There are however some significant issues of concern, and I have provided 5 recommendations in order to address these.

In all of my previous years of work for the PLMG I would normally go for a site tour and meet with the PLMG on the same date, at which time we would discuss my most recent annual report review. In-person meetings are not possible at this time due to the pandemic, however an on-line Zoom PLMG meeting can be scheduled. In the meantime, it does not make sense for me to make the lengthy trip to Brockville only to tour the landfill site. I suggest we put off my tour (on which I always enjoy company!) until the next time I am in the area.

I trust that the comments and recommendations in this review are clear, but please feel free to contact me if there are any questions.

Yours sincerely,



Wilf Ruland (P. Geo.)

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Ontario

Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement climatique

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER A440101
Issue Date: September 14, 2018

The Corporation of the City of Brockville
1 King St W
Post Office Box, No. 5000
Brockville, Ontario
K6V 7A5

Site Location: 3300 Parkedale Avenue West
Brockville City, United Counties of Leeds and Grenville
K6V 5T4

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

a closed waste disposal site consisting of a 14.18 hectare landfilling area within a total site area of 36.2 hectares.

DEFINITION OF TERMS

In this Environmental Compliance Approval:

(a) "Approval" means this Environmental Compliance Approval including all future Notices of Amendment;

(b) "City", "Owner" and "Operator" means the Corporation of the City of Brockville;

(c) "Director" means the person(s) appointed for the purposes of Part II.1 of the Environmental Protection Act;

(d) "District Manager" means the District Manager of the local District Office of the Ministry;

(e) "EPA" means the Environmental Protection Act, R.S.O. 1990, C.E-19 as amended;

(e) "Site " means parts of Lots 16 and 17, Concession II, in the City of Brockville comprising a 14.18 hectare fill area within a total area of 36.2 hectares. The Site no longer includes the 5.66 hectare

property formerly used as sewage sludge drying beds;

(f) "Ministry" means the Ontario Ministry of Environment, Conservation and Parks;

(g) "ODWS" means the Ontario Drinking Water Standards, Objectives and Guidelines;

(h) "O & M Manual" means the Operations and Maintenance Manual, dated September 1993;

(i) "PLMG" means the Public Liaison and Monitoring Group as set out in Schedule "B";

(j) "PWQO" means the Provincial Water Quality Objectives;

(k) "Qualified Person" means a person who has obtained the appropriate education and training and has demonstrated experience and expertise in the areas relating to the monitoring required to be carried out in this Approval. A person meets the qualifications to be a Qualified Person if a) the person holds a licence, limited licence or temporary licence under the Professional Engineers Act; or b) the person holds a certificate of registration under the Professional Geoscientists Act, 2000 and is a practising member, temporary member or limited member of the Association of Professional Geoscientists of Ontario."; and

(l) "RUP" means the Ministry's Reasonable Use Policy (Policy 15-08).

Compliance

1. The Owner and Operator shall ensure compliance with all the conditions of this Approval and shall ensure that any person authorized to carry out work on or operate any aspect of the Site is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

2. Any person authorized to carry out work on or operate any aspect of the Site shall comply with the conditions of this Approval.

In Accordance

3. Except as otherwise provided for in this Approval, the Site shall be designed, developed, built, operated and maintained in accordance with the original application for this Approval, the conditions in this Approval and the supporting documentation listed in Schedule "A".

Interpretation

4. Where there is a conflict between a provision of any document, including the application referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence.

5. Where there is a conflict between the application and a provision in any documents listed in

Schedule "A", the application shall take precedence, unless it is clear that the purpose of the document was to amend the application and that the Ministry approved the amendment.

6. Where there is a conflict between any two documents listed in Schedule "A", other than the application, the document bearing the most recent date shall take precedence.

7. The conditions of this Approval are severable. If any condition of this Approval, or the application of any condition of this Approval to any circumstance, is held to be invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.

Other Legal Obligations

8. The issuance of, and compliance with, this Approval does not:

   a. relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement; or

   b. limit in any way the authority of the Ministry to require certain steps be taken or to require the Owner and Operator to furnish any further information related to compliance with this Approval.

Adverse Effect

9. The Owner and Operator shall take steps to minimize and ameliorate any adverse effect on the natural environment or impairment of water quality resulting from the Site, including such accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment.

10. Despite an Owner, Operator or any other person fulfilling any obligations imposed by this Approval, the person remains responsible for any contravention of any other condition of this Approval or any applicable statute, regulation, or other legal requirement resulting from any act or omission that caused the adverse effect to the natural environment or impairment of water quality.

Change of Owner

11. The Owner shall notify the Director, in writing, and forward a copy of the notification to the District Manager, within 30 days of the occurrence of any changes in the following information:

    a. the Ownership of the Site;
    b. the Operator of the Site;
    c. the address of the Owner or Operator;
    d. the partners, where the Owner or Operator is or at any time becomes a partnership and a copy of the most recent declaration filed under the Business Names Act, R. S. O. 1990, c. B.17, shall be included in the notification.

12. No portion of this Site shall be transferred or encumbered prior to or after closing of the Site unless the Director is notified in advance. In the event of any change in ownership of the Site, other than change to a successor municipality, the Owner shall notify the successor of and provide the successor with a copy of this Approval, and the Owner shall provide a copy of the notification to the District Manager and the Director.

Certificate of Registration

13. Pursuant to Section 197 of the EPA, no person having an interest in the Site shall deal with the Site in any way without first giving a copy of this Approval to each person acquiring an interest in the Site as a result of the dealing.

14. Two copies of a completed Certificate of Registration, containing a registerable description of the Site, shall be submitted to the District Manager and the Director for the Director's signature within sixty (60) calendar days of the date of this Approval.

15. The Certificate of Registration shall be registered in the appropriate land registry office on title to the Site and a duplicate registered copy shall be submitted to the District Manager and the Director within ten(10) calendar days of receiving the Certificate of Registration signed by the Director.

Inspections

16. No person shall hinder or obstruct a Provincial Officer from carrying out any and all inspections authorized by the Ontario Water Resources Act, the Environmental Protection Act or the Pesticides Act, of any place to which this Approval relates, and without limiting the foregoing:

    a. to enter upon the premises where the approved works are located, or the location where the records required by the conditions of this Approval are kept;
    b. to have access to, inspect, and copy any records required to be kept by the conditions of this Approval;
    c. to inspect the Site, related equipment and appurtenances;
    d. to inspect the practices, procedures, or operations required by the conditions of this Approval; and
    e. to sample and monitor for the purposes of assessing compliance with the terms and conditions of this Approval or the Ontario Water Resources Act, the Environmental Protection Act or the Pesticides Act.

Information and Record Retention

17. (a) Any information requested, by the Ministry, concerning the Site and its operation under this Approval, including but not limited to any records required to be kept by this Approval, shall be provided to the Ministry, upon request, in a timely manner.

    (b) All records concerning the Site shall be retained for 5 years except for as otherwise authorized in writing by the Director.

18. The receipt of any information by the Ministry or the failure of the Ministry to prosecute any person or to require any person to take any action, under this Approval or under any statute, regulation or other legal requirement, in relation to the information, shall not be construed as:

    a. an approval, waiver, or justification by the Ministry of any act or omission of any person that contravenes any term or condition of this Approval or any statute, regulation or other legal requirement; or
    b. acceptance by the Ministry of the information's completeness or accuracy.

Site Closure

19. (a) The Site is closed and shall not receive any type of waste. The Site shall remain closed and be maintained by the City in accordance with all of the plans and specifications in the documents listed in Schedule "A", with the exception of the timelines prescribed in Table 5.1 of Item 17 of Schedule "A" ; and

    (b) In lieu of the timelines described in Table 5.1 of Item 17 of Schedule "A", the City shall notify the District Manager and the PLMG at least 6 months prior to the implementation of activities associated with the creation of any and all parts of the post closure passive recreational facilities. This notice must also include details of which activities identified in Item 17 of Schedule "A" will be implemented, with a schedule for implementation.

20. The Site entrance gate shall be locked by the City to secure against access by unauthorized persons.

21. The City shall ensure that there is no burning of waste at the Site.

22. Vermin are to be adequately controlled by the City at the Site. Should vermin become a problem, a licensed exterminator shall be engaged by the City at a frequency necessary to bring the problem under control.

23. The City shall maintain the Contaminant Attenuation Zone (CAZ) shown on Drawing I-1a of Item 10, Schedule "A".

Site Monitoring

24. The City shall undertake groundwater monitoring in accordance with Schedule "C", surface water monitoring in accordance with Schedule "D" and leachate monitoring in accordance with Schedule "E".

25. If the City activates the landfill gas flare system in response to complaints of odour, then the City shall notify the District Manager and shall undertake monitoring of the flare system to confirm that it is operating in a manner which will effectively control odours.

Leachate Collection System

26. The leachate collection system shall be inspected and maintained regularly by the City throughout the contaminating lifespan of the Site.

Surface Water Management System

27. Site grading and contours shall be maintained by the City such that all surface water run-off from the landfilling area is directed into the perimeter surface water drainage system which must be maintained by the City in a manner to provide full control over the quantity, quality and timing of off-site surface water discharges.

28. The perimeter surface water drainage system consisting of swales, sedimentation ponds and the controlled outlet facility shall be operated and maintained by the City in accordance with procedures outlined in Item 1.5 and Item 17 of Schedule "A".

Public Liaison and Monitoring Group and Complaints

29. Upon issuance of this Approval, the City shall establish and maintain a public complaints procedure in accordance with section 10 of item 17 in Schedule A of this Approval that includes, but is not limited to:

    a. posting the Site complaints telephone number at the Site entrance and providing a written notice explaining the complaints procedure to surrounding landowners located within approximately one kilometre of the Site;

    b. designating specific City staff to receive any complaints and, as soon as possible, to respond to the complaint and within two days of receiving the complaint, provide, to the complainant and the District Manager, a verbal and written report on the follow up actions taken by the City;

    c. keeping an accurate record of the following Site related complaints information:

        - the name and address of the complainant,
        - the date and time,
        - the nature of complaint, and
        - details of the City's response to the complainant and action taken;

    d. providing copies of complaint records to the PLMG and receiving any proposed recommendations of the PLMG; and

    e. summarizing all complaints concerning the Site and the City's responses/actions in the Annual Report mentioned in condition 31.

30. The City shall continue to support the operation of the PLMG in accordance with Schedule "B".

Annual Report

31. The City shall have a Qualified Person prepare and submit an annual report to the District Manager by June 1st of the year following the calendar year covered by the report which shall include as a minimum, the following:

    a. a drawing(s) of the Site indicating all groundwater and surface water monitoring locations;

    b. tables outlining monitoring locations, analytical parameters sampled, and frequency of sampling;

    c. an analysis and interpretation of all monitoring data; a review of the adequacy of the monitoring programs; conclusions based upon the monitoring data; and recommendations for any changes in monitoring programs that may be necessary;

    d. an assessment of groundwater quality in relation to the RUP, ODWS and trigger concentrations;

    e. an assessment of surface water quality with respect to the PWQO and trigger concentrations;

    f. an assessment of the performance of the contaminant attenuation zone;

    g. a summary discussion of the condition of the Site's final cover and erosion protection measures implemented during the reporting year;

    h. a statement of compliance with this Approval;

    i. a summary of any complaints made regarding Site operations and the City's response and action taken; and

    j. any report of the PLMG to City Council.

SCHEDULE A

This Schedule "A" forms part of Environmental Compliance Approval of Approval A 440101 and contains documentation submitted in support of an application for the continued use of the Site.

1. City of Brockville Municipal Landfill Site Continued Use Final Report prepared by Gore & Storrie Limited et al.

    1.1 Volume I - Application and Project Background (June 1992)
    1.2 Volume II - Site Hydrogeology and 1991 Monitoring Program (June 1992)
    1.3 Volume III - Biological Resources (June 1992)
    1.4 Volume IV - Traffic, Visual Effects, Noise and Air Emissions and Land Use Planning (June 1992)
    1.5 Volume V - Operation and Maintenance Plan (September 1993)
    1.6 Volume VI - Closure and Post Closure Care (June 1992)
    1.7 Volume VII - Public and Government Consultation Program (June 1992)
    1.8 Volume VIII - MOEE Review Comments and Responses, Supplementary Work Program (September 1993)

2. 1992 Monitoring Program City of Brockville Landfill Site, Brockville, Ontario prepared by Golder Associates Limited and dated June 1993.

3. Letter dated, October 14, 1993 - MOEE (Zaltsberg) to City of Brockville (McIntosh) - Subject: Leachate collection system, surface water, groundwater trigger mechanism, and the proposed attenuation zone.

4. Letter dated, November 30, 1993 - MOEE (Zaltsberg) to Gore & Storrie Limited (Parsons) - Subject: Submission of final MOEE review comments to the City.

5. Letter dated, January 20, 1994 - Gore & Storrie Limited (Parsons) to MOEE (Zaltsberg) - Subject: Response to MOEE (Zaltsberg) letter dated, October 14, 1993.

6. Letter dated, January 26, 1994 - MOEE (Zaltsberg) to Gore & Storrie Limited (Parsons) - Subject: Ground water trigger mechanism, leachate and gas monitoring.

7. Letter dated, February 10, 1994 - Gore & Storrie Limited (Parsons) to MOEE (Zaltsberg) - Subject: Response to MOEE (Zaltsberg) letter of November 30, 1993.

8. Letter dated, February 17, 1994 - MOEE (Zaltsberg) to Gore & Storrie Limited (Parsons) - Subject: G&S February 10, 1994 response to MOEE letter dated, November 30, 1994.

9. Letter dated, March 9, 1994 - Gore & Storrie Limited (Parsons) to MOEE (Zaltsberg) -

Subject: Response to MOEE (Zaltsberg) letters of January 26 and February 17, 1994.

10. Letter dated, July 26, 1994 - Gore & Storrie Limited (Parsons) to MOEE (Zaltsberg) - Subject: Errata Sheet - Corrections to Volume I, Application & Project Background, June 1992

11. Letter dated June 19, 1996 - CH2M Gore and Storrie Limited (Parsons) to MOEE (Zaltsberg) - Subject: Increase of the existing buffer area and its incorporation into the new site area.

12. Application for Approval of a Waste Disposal Site dated June 27, 1996.

13. Application for approval of Waste Disposal Site dated November 13, 1997.

14. Letter dated, December 5, 1997 - City of Brockville to Ministry of the Environment (E. Zaltsberg) - Subject: Proposal for Alternative Daily Cover.

15. Modification to Application for Amendment to Certificate of Approval No. A440101, Proposed Extension of Sheet Pile Wall South Side of Leachate Pumping Station Brockville Landfill Site, Brockville, Onario, prepared by Golder Associates Ltd. and dated September 10, 1998.

16. Letter dated July 28, 1999 - City of Brockville to Ministry of the Environment (attention: A. Dominski), re: City of Brockville Landfill Site Continued Use.

17. Closure and post closure care of the City of Brockville Municipal Landfill prepared by Burnside Environmental Ltd. and dated March, 2001.

18. Letter from L. Parsons of Burnside Environmental Ltd. to E. Zaltsberg of the MOE dated April 9, 2001 Re: Closure and Post Closure Care, Final Report, for the City of Brockville Municipal Landfill, Response to MOE Letter dated April 2, 2001.

19. Report on Application for Amendment to Provincial Certificate of Approval No. A 440101 City of Brockville Landfill Site Ontario, prepared by Golder Associates Limited and dated March 28, 2005.

20. Letter from Brian Byerley, P.Eng., Hydrogeologist/Associate, Golder Associates Ltd. to Ranjani Munasinghe, P.Eng., Senior Engineer of the Ministry of the Environment, dated November 18, 2005 Re. Comments on Draft Notice Amending Provisional Certificate of Approval No. A 44010, City of Brockville Landfill Site, Ontario.

21. Letter from C.J. Cosgrove, P.Eng., Director of Operations, City of Brockville to Craig Dobiech, Senior Environmental Officer, Ministry of the Environment, dated February 16, 2006, Re. City of Brockville Landfill Site - Closure Cover.

22. Environmental Compliance Approval Application, dated November 26, 2013, and signed by

Peter Raabe, Director of Environmental Services, the Corporation of the City of Brockville.

23. City of Brockville Landfill Site Public Liaison and Monitoring Group Minutes of the Meeting of Thursday, November 14, 2013 (Appendix C to the Environmental Compliance Approval Application, dated November 26, 2013).

24. E-mail of January 16, 2014 from Chris Wood, City of Brockville to Sara Sideris, Application Assessment Unit, Ministry of the Environment, Re: Monitoring Discontinuation of Domestic Wells (MOE Reference No. 1299-9DVRND).

25. E-mail of August 16, 2017 from Nathalie Matthews, MOECC to Loren Bekeris (Golder Associates Ltd.), Lyndsay D'Entremont and Peter Raabe (City of Brockville) Re: Site Specific Trigger Concentration for Iron (Brockville WDS).

SCHEDULE B - Public Liaison and Monitoring Group

This Schedule "B" forms part of Environmental Compliance Approval of Approval A 440101. It will describe the terms of reference or "Charter" for the Public Liaison and Monitoring Group referred to in Condition 30.

1.0 The purpose of the PLMG shall be to:

- monitor the site operation, post-closure and post-care, including waste haulage traffic within the vicinity of the site, and pollution abatement strategy issues;
- provide a forum for direct exchange between surrounding landowners, business interests, the MOECC, and the City of Brockville concerning landfill site operation and closure;
- monitor annual reports;
- monitor the City's leachate monitoring program;
- monitor groundwater, surface water, gas and sediment analysis; and consider complaints or request of a complainant.

2.0 The PLMG will act in an advisory role to the City and will make formal recommendations to the City. Additionally, the PLMG will make a brief semi-annual or annual report to City Council outlining its activities for the previous period and any of its concerns relative to PLMG functions.

3.0 Eligible persons shall be advised by the City of the formation of the PLMG and requested to express interest in membership. The membership of the PLMG shall be elected by the City from interested persons in accordance with the following:

3.1 Brockville Residents (adjacent or affected landowners within 1 km of the site) and their immediate families.

3.2 Elizabethtown Residents (adjacent or affected landowners within 1 km of the site) and their immediate families.

3.3 One local business representative (i.e. Chamber of Commerce).

3.4* One City "contracted" haulage firm representative.

3.5* One City representative.

Note: *These members will have no voting privileges.

4.0 The MOECC shall be notified of any PLMG meeting as soon as the meeting is called and may

attend any meeting in an advisory capacity.

5.0 The maximum number of members on the PLMG shall be no greater than fifteen (15).

6.0 Non-member observers and the press shall be welcome at all meetings, provided such parties conduct themselves in accordance with instructions of the PLMG. Seating room shall be provided. All observers shall be provided the opportunity to make a presentation or otherwise be heard if they so wish.

7.0 The initial meeting will be chaired by a representative of the City of Brockville. A chairperson shall be elected by the membership of the PLMG from voting members.

8.0 A summary of each meeting will be documented and circulated to all members and observers. The City will provide secretarial/clerk services to the PLMG.

9.0 The City will make available background information, as required by the PLMG.

10.0 The PLMG will review all information that is provided to it.

11.0 The PLMG will meet on a monthly basis or as required.

12.0 The City shall supply the PLMG with a reasonable annual budget for the purposes of obtaining expert technical reviews of the groundwater, surface water, gas and leachate monitoring, if requested by the PLMG.

13.1 The PLMG shall only conduct a meeting if a quorum of four (4) voting members is present and the representative of the City if present. The PLMG is encouraged to develop a consensus about any proposed recommendations to the City. Alternatively, a vote of the majority attending will carry the recommendation.

13.2 Notice shall be given to each member in advance of a scheduled meeting.

13.3 Notice shall be provided by mail or other suitable form at least fourteen (14) days in advance of any scheduled meeting. Seven (7) days notice may be provided by courier or personal delivery.

13.4 PLMG members who do not attend at least 75% of scheduled meetings may be removed from the membership of the PLMG by decision of the PLMG. New members may be invited to join in accordance with the articles of this Charter.

13.5 The PLMG will establish an appropriate schedule of meetings.

14.0 Amendments to this Charter may only be made upon the recommendation of the PLMG or the City. No changes to this Charter shall be undertaken without approval of the City of Brockville.

SCHEDULE C - Groundwater Monitoring Program

This Schedule "C" forms part of Environmental Compliance Approval of Approval A 440101

MONITORING WELL LOCATIONS		SAMPLING PERIODS	
		SPRING	SUMMER
OVERBURDEN WELLS			
1) Background	91-6S		WL
	91-8	WL	WL
2) On-Site	90-2S		WL
	90-2M		WL
	90-3M		WL
BEDROCK WELLS			
1) Background	91-10M		WL
	91-10D		WL
	91-11S	WL	WL
	91-11D	WL	WL
2) On-Site	B-1S	WL	WL
	B-1D	WL	WL
	B-2M	WL	WL
	B-2D	WL	WL
	B-3M	WL	WL
	B-3D	WL	WL
	90-2D		WL
	90-3D	**VOC**	WL
	91-2S		WL
	91-2M		WL
	91-2D	**VOC**	WL

SCHEDULE C - Groundwater Monitoring Program (continued)

MONITORING WELL LOCATIONS		SAMPLING PERIODS	
		SPRING	SUMMER
CAZ LANDS (GOLF COURSE)			
	91-3S		WL
	91-3M	VOC	WL
	91-3D	VOC	WL
	91-5S	VOC	WL
	91-5D	VOC	WL
	91-6D	VOC	WL
	91-7S	VOC	WL
	91-7D	VOC	WL
	91-9S	WL	WL
	91-9D	WL	WL
	93-1S	WL	WL
	93-1M	WL	WL
	93-1D	WL	WL
	93-2S	VOC	VOC
	93-2M	VOC	VOC
	93-2D	VOC	VOC
	93-3S	VOC	WL
	93-3D	VOC	WL
	93-4S	VOC	VOC
	93-4D	VOC	VOC
	93-5S	VOC	VOC
	93-5D	VOC	VOC
	93-8S	VOC	VOC
	93-8M	VOC	VOC
	93-8D	VOC	VOC
	98-1S, 98-1M, 98-1D	WL	WL
	98-2S, 98-2M	VOC	WL
	98-2D	VOC	WL
	98-3S, 98-3M, 98-3D	VOC	WL
	98-4S, 98-4M, 98-4D	WL	WL
	98-5S, 98-5M, 98-5D	VOC	WL
	98-6D**	VOC	WL
	98-7M**	VOC	WL
	98-9S, 98-9M, 98-9D	VOC	VOC

SCHEDULE C - Groundwater Monitoring Program (continued)

MONITORING WELL LOCATIONS		SAMPLING PERIODS	
		SPRING	SUMMER
FORMER SLUDGE LAGOON WELLS			
	94-1S	WL	WL
	94-1D	WL	WL
GAS PIPELINE BEDROCK WELLS			
	93-6		WL
	93-7		WL
DOMESTIC WATER SUPPLY WELLS			
	Basten		
	McGill		
	Plaschka		
LEACHATE COLLECTION SYSTEM MONITOR			
	Leachate	**VOC**	**VOC**
SOUTH OF HIGHWAY 401			
	99-7S, 99-7M,99-7D	**VOC**	WL
	99-8S, 99-8M,99-8D	**VOC**	WL
	99-9S, 99-9M,99-9D	**VOC**	WL
	99-10S, 99-10M,99-10D	**VOC**	WL
	99-11S, 99-11M,99-11D	**VOC**	WL

NOTES:

** To be sampled every 5 years beginning in spring 2006.

Groundwater samples to be analyzed for the following 17 Leachate Indicator Parameters: conductivity, hardness, TDS, alkalinity, phenols, COD, TOC, TKN, ammonia, chloride, boron, calcium, magnesium, potassium, sodium, strontium, iron	
Groundwater samples to be analyzed for the following Surveillance Parameters: Cations (metals): aluminum, barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, silver, sodium, strontium, thallium, titanium, vanadium, zinc, zirconium Anions: bromide, chloride, fluoride, nitrate, nitrite, sulphate. Additional Parameters: arsenic, cyanide, alkalinity, hardness, BOD, COD, DRP, TKN, ammonia, phenolics, TDS, TOC	
Groundwater samples also to be analyzed for the following Volatile Organic Compounds:	VOC
1,1,2,2-Tetrachloroethane; 1,1-Dichloroethane; 1,1-Dichloroethene; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Acetone; Benzene; Bromodichloromethane; Chlorobenzene; Chloroethane; Chloroform; Chloromethane; cis-1,2-Dichloroethene; Dichloromethane; Ethylbenzene; m&p-Xylene; Methyl ethyl ketone, o-Xylene; Tetrachloroethene; Trichloroethene; Toluene; trans-1,2-Dichloroethene; Trichlorofluoromethane; Vinyl chloride	VOC
Water level measurement only	WL
Field Measured Parameters: temperature, electrical conductivity, & pH (water levels at all sampled monitors)	

SCHEDULE D - Surface Water Monitoring Program

This Schedule "D" forms part of Environmental Compliance Approval of Approval A 440101

SURFACE WATER SAMPLING	SAMPLING PERIODS	
LOCATIONS	SPRING	FALL
SW-1		
SW-2		
SW-3		
SW-5	VOC	VOC
SW-7		
SW-8		
BD-03-M2		

NOTES:

Surface water samples to be analyzed for the following Leachate Indicator Parameters:
conductivity, hardness, alkalinity, turbidity, colour,

BOD, COD, TKN, ammonia, chloride, boron,

calcium, magnesium, potassium, sodium,

strontium, total iron and dissolved iron

Surface water samples to be analyzed for the following Surveillance Parameters:
Cations (metals): aluminum, barium, beryllium, boron,
cadmium, calcium, chromium, cobalt, copper,

total and dissolved iron, lead, magnesium,

manganese, molybdenum, nickel, phosphorus,

potassium,

silver, sodium, strontium, thallium, titanium,

vanadium, zinc, zirconium Anions: bromide,

chloride, fluoride, nitrate, nitrite, sulphate

Additional Parameters: arsenic, cyanide, alkalinity,

hardness, BOD, COD, TKN, phenolics, ammonia,

turbidity, colour, phosphate, total phosphorus,

Surface water samples also to be analyzed for the following Volatile Organic Compounds:
VOC

1,1,2,2-Tetrachloroethane; 1,1-Dichloroethane; 1,1-Dichloroethene; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Acetone; Benzene; Bromodichloromethane; Chlorobenzene; Chloroethane; Chloroform; Chloromethane; cis-1,2-Dichloroethene; Dichloromethane; Ethylbenzene; m&p-Xylene; Methyl ethyl ketone, o-Xylene; Tetrachloroethene; Trichloroethene; Toluene; trans-1,2-Dichloroethene; Trichlorofluoromethane; Vinyl chloride

Field Measured Parameters:
temperature, electrical conductivity, pH, and dissolved oxygen
Measure surface water elevation on staff gauges in the swamp east of the landfilled area and in the pond west of the site
Measure surface water flow at stations FS-1 to FS-10 and FS02-1 and FS02-2

Schedule "E" - Leachate Monitoring

This Schedule "E" forms part of the Certificate of Approval No. A 440101.

E.1. OBJECTIVES

The objectives of the leachate monitoring program are:

- to monitor leachate quality with respect to compliance with the City's Sewer Use By-Law together with conditions of the Water Pollution Control Plant's Environmental Compliance Approval;
- to perform a long-term leachate quality assessment of the collected leachate for the purpose of evaluating the leachate collection system performance; and
- to evaluate the need for leachate pretreatment.

E.2. MONITORING PLAN

The leachate monitoring program shall be carried out by the City to address the stated objectives and will include:

E.2.1 Sampling Location and Equipment

An automatic refrigerated composite sampler has been installed at the leachate pumping station during construction of the leachate collection system. This equipment shall be continuously used by the City to collect composite leachate samples prior to their discharge into the municipal sewer system.

E.2.2 Sampling Parameters and Frequency

The leachate samples shall be collected and analysed as follows:

Weekly	one grab sample for field analyses of temperature and dissolved oxygen; one 24 hour composite sample tor laboratory analyses of pH and suspended solids;
Monthly	one 24 hour composite sample for analyses of pH, suspended solids, BOD_5, total dissolved solids and iron;
Semi-annually	one 24 hour composite sample for laboratory analysis of priority pollutants controlled by the Sewer Use By-Law consisting of: Cations (aluminum, barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese,

molybdenum, nickel, phosphorus, potassium, silver, sodium, strontium, thallium, titanium, vanadium, zinc, zirconium), Anions (bromide, chloride, fluoride, nitrates (total), nitrite, sulphate) and Additional Parameters (arsenic, cyanide, alkalinity, hardness, BOD, COD, TKN, ammonia, phenolics, TDS, TOC), and one grab sample for laboratory analysis of Volatile Organic Compounds (1,1,2,2-Tetrachloroethane; 1,1-Dichloroethane; 1,1-Dichloroethene; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Acetone; Benzene; Bromodichloromethane; Chlorobenzene; Chloroethane; Chloroform; Chloromethane; cis-1,2-Dichloroethene; Dichloromethane; Ethylbenzene; m&p-Xylene; Methyl ethyl ketone, o-Xylene; Tetrachloroethene; Trichloroethene; Toluene; trans-1,2-Dichloroethene; Trichlorofluoromethane; Vinyl chloride).

E.2.3 Leachate Flow Measurements

The leachate flow rate shall be continuously monitored by means of a magnetic flow meter on the discharge forcemain from the leachate pumping station.

E.3. PROVISIONAL PRETREATMENT FACILITY

If raw leachate is found to be in non-compliance with the City's Sewer Use By-Law and/or with the conditions of the Water Pollution Control Plant's Environmental Compliance Approval then the City shall submit for the Regional Director's approval an appropriate mitigation program proposal which can include consideration of the approved on-site provisional leachate pretreatment facility.

The reasons for these conditions are as follows:

1. *The reason for inclusion of the definitions is to define the specific meaning of terms and simplify the wording of conditions in this Approval.*

2. *The reason for Condition 3 is to ensure that the Site is designed, operated, monitored and maintained in accordance with the application and supporting documentation submitted by the Owner, and not in a manner which the Director has not been asked to consider.*

3. *The reason for Conditions 1, 2, 4, 5, 6, 7, 8, 9, 10, 17 and 18 is to clarify the legal rights and responsibilities of the Owner under this Approval.*

4. *The reasons for Condition 12 is to restrict potential transfer or encumbrance of the Site without the approval of the Director and to ensure that any transfer of encumbrance can be made only on the basis that it will not endanger compliance with this Approval.*

5. *The reasons for Condition 11 is to ensure that the Site is operated under the corporate name which appears on the application form submitted for this approval and to ensure that the Director is informed of any changes.*

6. *The reason for Condition 16 is to ensure that appropriate Ministry staff have ready access to the Site for inspection of facilities, equipment, practices and operations required by the conditions in this ECA. These conditions are supplementary to the powers of entry afforded to a Provincial Officer pursuant to the EPA and OWRA.*

7. *The reason for Conditions 13, 14 and 15 is to ensure that, pursuant to section 197 of the EPA, any persons having an interest in the Site are aware that the land has been approved and used for the purposes of waste disposal.*

8. *The reasons for Condition 20 is to specify site access to/from the Site and to ensure the controlled access and integrity of the Site by preventing unauthorized access to the Site.*

9. *The reasons for Conditions 19, 21, 22 and 23 are to ensure the site is maintained in a manner in which an adverse effect does not occur. This is to ensure the long-term protection of the environment and human health..*

10. *The reason for Conditions 24, 25, 26, 27 and 28 is to demonstrate that the landfill site is performing as designed and the impacts on the natural environment are acceptable. Regular monitoring allows for the analysis of trends over time and ensures that there is an early warning of potential problems so that any necessary remedial/contingency action can be taken.*

11. *The reason for Conditions 29 and 30 is to establish and maintain a forum for the exchange of information and public dialogue on activities to be carried out at the landfill site. Open communication with the public and local authorities is important in helping to maintain high standards for site operation and environmental protection*

12. *The reason for Condition 31 is to ensure that regular review of site development, operations and monitoring data is documented and any possible improvements to site design, operations or monitoring programs are identified. An annual report is an important tool used in reviewing site activities and for determining the effectiveness of site design.*

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). A440101 issued on December 6, 1994 and all amendments that predate this Approval.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of Part II.1 of the Environmental Protection Act
Ministry of the Environment and Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

* **Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 14th day of September, 2018

Jade D. Gabe

Dale Gable, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

IP/

c: District Manager, MOECC Kingston - District
Peter Raabe and Lyndsay d'Entremont, The Corporation of the City of Brockville

From: Matthews, Nathalie (MECP)
To: Peter Raabe; Lyndsay d"Entremont
Subject: RE: Supplementary Domestic Well Sampling - Lyn Road / Avondale Farm Road - Fall 2021
Date: Friday, January 28, 2022 1:38:21 PM
Attachments: image001.png

Also want to add that we will include some private water wells in the Centre Street area during the next scheduled sampling event.

_____

Nathalie Matthews, Provincial Officer
Ministry of the Environment, Conservation and Parks - Kingston District Office
☎ 613.548.6917 | Spills Action Centre: 800.268.6060 | Pollution Hotline: 866.MOE.TIPS/866.663.8477 | www.ontario.ca/ministry-environment
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From: Matthews, Nathalie (MECP)
Sent: January-28-22 1:28 PM
To: Peter Raabe <praabe@brockville.com>; Lyndsay d'Entremont <ldentremont@brockville.com>
Subject: RE: Supplementary Domestic Well Sampling - Lyn Road / Avondale Farm Road - Fall 2021

Yes, the respective owners have been provided with the results and an interpretation of the results. I have not advised the PLMG of our recent sample results. There is no issue with sharing my email with the group.

_____

Nathalie Matthews, Provincial Officer
Ministry of the Environment, Conservation and Parks - Kingston District Office
☎ 613.548.6917 | Spills Action Centre: 800.268.6060 | Pollution Hotline: 866.MOE.TIPS/866.663.8477 | www.ontario.ca/ministry-environment
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From: Peter Raabe <praabe@brockville.com>
Sent: January-28-22 1:24 PM
To: Matthews, Nathalie (MECP) <Nathalie.Matthews@ontario.ca>; Lyndsay d'Entremont <ldentremont@brockville.com>
Subject: RE: Supplementary Domestic Well Sampling - Lyn Road / Avondale Farm Road - Fall 2021

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Nathalie, thanks for the information. A couple of questions. Were the results of the sampling and Shawn's comments shared with the respective home owners? Also, has this information been shared with the PLMG (Todd Stafford)? If not would you have any

concerns if we passed it along?

Peter Raabe, P.Eng.
Director of Engineering and Infrastructure

City of Brockville
1 King Street West, Brockville, ON, K6V 7A5
Phone: 613-342-8772 X 3257
Email: praabe@brockville.com
Web: www.brockville.com

From: Matthews, Nathalie (MECP) <Nathalie.Matthews@ontario.ca>
Sent: January 28, 2022 12:32 PM
To: Peter Raabe <praabe@brockville.com>; Lyndsay d'Entremont <ldentremont@brockville.com>
Subject: FW: Supplementary Domestic Well Sampling - Lyn Road / Avondale Farm Road - Fall 2021

Hello Peter and Lyndsay,

For your files, comments from the ministry's hydrogeologist on the results of the samples collected from residential properties along Lyn Road are summarised in the email below.

If you have any questions, please call or email.

Nathalie Matthews, Provincial Officer
Ministry of the Environment, Conservation and Parks - Kingston District Office
☎ 613.548.6917 | Spills Action Centre: 800.268.6060 | Pollution Hotline: 866.MOE.TIPS/866.663.8477 | www.ontario.ca/ministry-environment
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From: Trimper, Shawn (MECP) <Shawn.Trimper@ontario.ca>
Sent: January-28-22 12:28 PM
To: Matthews, Nathalie (MECP) <Nathalie.Matthews@ontario.ca>
Subject: Supplementary Domestic Well Sampling - Lyn Road / Avondale Farm Road - Fall 2021

Nathalie,

I am sending this email to document the domestic well sampling completed by the ministry along Lyn Road in the fall of 2021. This work is completed as a supplementary monitoring program related to the former landfilling activities in the areas as a precautionary measure. The sampling is typically completed every three (3) years and was scheduled to be completed in 2020; however, due to risks and restriction related to COVID-19 it was postponed until the fall of 2021.

In September of 2021 the following locations were sampled by ministry staff (Shawn Trimper and/or Nathalie Matthews): 1545 Lyn Road, 1539/1541 Lyn Road (shared well), and 1550 Lyn Road. Samples were submitted to the ministry's laboratory for the analysis of volatile organic compounds (VOCs). Multiple attempts were also made to sample 1501 Avondale Farm Road; however, the ministry was unable to coordinate sampling with the home owner/occupant.

Results, Conclusions, and Recommendations:

- NO VOCs were detected in any of the domestic wells sampled along Lyn Road. This is consistent with historical results (VOCs have never been detected in domestic wells located along Lyn Road).
- I conclude that historical landfilling activities in the area pose a negligible risk to the domestic wells located along Lyn Road.
- As a precautionary measure, I recommend that those wells historically sampled along Lyn Road and Avondale Farm Road continue to be sampled for VOCs at a frequency of every three (3) years.

If you have any questions or require anything further please let me know.

Shawn Trimper, P.Eng., M.A.Sc.
Hydrogeologist
Ministry of the Environment, Conservation, and Parks
Eastern Region
1259 Gardiners Road, Unit 3, Kingston ON K7P 3J6
Phone: (613) 561-9506

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From: Lyndsay d"Entremont
To: Kevin Mooder
Cc: Peter Raabe
Subject: FW: Fall 2021 MECP Sampling along Old Red Road
Date: Monday, February 7, 2022 2:23:53 PM

****EXTERNAL EMAIL**** Please use caution.

Hi Kevin,

Please see the email below from Nathalie Matthews (MECP) and note the request for additional testing requirements that will need to be included in the next sampling event.
Can you please provide a cost estimate for the additional sampling? And please confirm that this can be done, with the lowest possible detection limits (as noted below)?

Thank you,

Lyndsay

Lyndsay d'Entremont
Solid Waste Officer

City of Brockville
613-342-8772 ext 3220
Ldentremont@brockville.com
www.brockville.com

From: Matthews, Nathalie (MECP) <Nathalie.Matthews@ontario.ca>
Sent: February 7, 2022 12:48 PM
To: Peter Raabe <praabe@brockville.com>; Lyndsay d'Entremont <ldentremont@brockville.com>
Subject: Fall 2021 MECP Sampling along Old Red Road

Hello Peter and Lyndsay,

Shawn and I collected samples from private residential well water supplies in the fall of 2021 along Old Red Road and Victoria Road. Shawn provided me with the following comments and interpretation of the results:

Domestic wells along Old Red Road have periodically been sampled by the

ministry over the past few decades following the discovery of volatile organic compounds (VOCs) and specifically chlorinated solvent impacts in numerous domestic wells. The source of the VOCs is not known. The recent sampling was completed as part of a larger supplementary sampling program completed by the ministry and also included domestic well sampling along Victoria Road and Lyn Road. The details and results of the sampling completed along Old Red Road in the fall of 2021 are generally as follows:

- All samples were submitted to the ministry's accredited laboratory for the analysis of VOCs, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS).

- Historically, sampling completed by the ministry along Old Red Road was generally (but not always) limited to VOCs; however, PFAS and 1,4-dioxane were added to the sampling program in 2021 in hopes of obtaining a better understanding of a potential source of the previously identified VOCs. PFAS is a class of emerging contaminants that are used in a large number of commercial products and are specifically associated with fire fighting foams and landfill leachates.1,4-dioxane is a stabiliser that was historically added to chlorinated solvents and has been identified as a constituent of landfill leachate at a number of landfills in Eastern Ontario.

- VOC concentrations were compared to Ontario Drinking Water Standards (ODWS) where applicable (not all VOCs have an associated ODWS).
    - VOCs were detected at all but one of the eleven locations sampled along Old Red Road.
    - The concentrations of VOCs detected were generally within the range of those detected historically; however, trichloroethylene exceeded the ODWS at one residence which is the first ODWS exceedance identified in a residential well in many years (and potentially the first VOC exceedance at this location).
    - The source of VOC impacts remains unknown.

- 1,4-dioxane was compared against the Canadian Drinking Water Quality Guideline (CDWQG) of 50 µg/L.
    - 1,4-dioxane was detected all eleven locations sampled along Old Red Road.
    - The concentrations were well below the CDWQS at 'trace detections'.

- PFAS concentrations were compared against an interim guidance value provided by the ministry's Technical Assessment and Standards Development Branch (TASDB) of 70 ng/L (sum of all detected PFAS compounds) above which treatment should be considered in consultation with the local Medical Officer of Health (MOH).
    - PFAS concentrations were somewhat or moderately elevated above what would typically be expected as background at all locations sampled along Old Red Road; however, all concentrations were below the TASDB interim guidance value (although only marginally at some locations).
    - The source or sources of elevated PFAS identified in the area is unknown.

MECP's next steps:

The ministry has advised the local health unit and the property owners of the results. Additional sampling of domestic water supplies will be conducted this spring along Old Red Road to determine the magnitude and extent of the PFAS in the area. Samples will also be submitted for VOCs and 1,4-dioxane analysis.

Request to the City of Brockville:

1. It is noted that, at the ministry's request, supplementary sampling of leachate and selected monitoring wells associated with the Brockville WDS was conducted by Brockville's consultant in recent years for PFAS and 1,4-dioxane. However, no sampling was completed west of the WDS or associated with the city's former landfill site located south of Old Red Road. To ensure that these sites are not the source of these compounds, we request that the City of Brockville include PFAS and 1,4-dioxane to the parameter list at monitoring wells 99-1D, 99-2S, and MW-2D for the next scheduled sampling event. IMPORTANT NOTE: Please ensure that the laboratory detection limits are as low as possible so that the results can be compared to the respective value/guideline.

   Once available, please forward these results to my attention.

2.

A response to this email confirming that the City will be making the necessary arrangements to add PFAS and 1,4-dioxane to the current parameter list at select monitoring wells for the next sampling event would be appreciated.

If you have any questions, please call or email.

_____

Nathalie Matthews, Provincial Officer
Ministry of the Environment, Conservation and Parks - Kingston District Office - 1259 Gardiners Road, Unit 3, Kingston, ON K7P 3J6
☎ 613.548.6917 | Spills Action Centre: 800.268.6060 | Pollution Hotline: 866.MOE.TIPS/866.663.8477 | www.ontario.ca/ministry-environment
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City of Brockville Landfill Surface Water Monitoring

		Landfill Leachate-24 hr Composite	Landfill Leachate	Surface Water - SW-5 - Landfill - grab sample				
Date	**Time**	**Iron (total) (mg/L)**	**Daily flow (m^3/d)**	**Iron (total) (mg/L)**	**Iron (dissolved) (mg/L)**	**Conductivity (uS/cm)**	**pH ( )**	**Temperature (degrees C)**
August 24-25, 2020 ##################	8:00am - 8:00am 9:00am	15.3	300.89	3.40	1.010	1,341	7.26	19.8
September 14-15, 2020 ##################	8:00am - 8:00am 8:45am	11.3	335.26	2.60	0.936	1,401	7.45	11.8
October 5-6, 2020 ##################	8:00am - 8:00am 8:50am	11.9	371.60	7.40	1.480	1,290	7.82	12.0
November 2-3, 2020 ##################	8:00am - 8:00am 8:50am	7.9	350.05	0.43	0.348	675	7.61	3.1
Nov 30 - Dec 1, 2020 ##################	8:00am - 8:00am 9:00am	30.2*	824.96	0.19	0.104	495	8.04	6.2
Dec 7-8, 2020	8:00am - 8:00am	3.9	826.83	-	-	-	-	-
January 4-5, 2021	8:00am - 8:00am	4.8	957.84	**	**	**	**	**
February 1-2, 2021	8:00am - 8:00am	8.6	707.50	**	**	**	**	**
March 1-2, 2021	8:00am - 8:00am	19.8	808.44	**	**	**	**	**
April 12-13, 2021 Tuesday, April 13, 2021	8:00am - 8:00am 9:20am	5.6	776.50	0.18	0.087	724	7.66	12.1
May 3-4, 2021 Tuesday, May 4, 2021	8:00am - 8:00am 8:50am	6.7	997.92	0.09	0.032	481	7.98	8.6
June 7-8, 2021 Tuesday, June 8, 2021	8:00am - 8:00am 9:00am	10.4	521.15	15.9***	8.7***	720	7.51	19.2
July 5-6, 2021 Tuesday, July 6, 2021	8:00am - 8:00am 8:55am	28.8	198.2	9.83***	0.504***	517	7.30	19.2
August 9-10 2021 August 10 2021	8:00am - 8:00am 9:20am	9.6	116.2	37.3****	4.25****	1,293	7.21	20.6
September 13-14, 2021 ##################	8:00am - 8:00am 8:50am	11.9	51.7	8.88****	2.69****	919	7.67	15.5
October 5-6, 2021 ##################	9:00am - 9:00am 9:10am	12.4	52.3	3.24****	0.154****	1,265	7.66	11.5
November 1-2, 2021 ##################	8:00am - 8:00am 8:40am	6.3	283.9	0.337	0.264	565	7.50	5.5
December 6-7, 2021 ##################	8:00am - 8:00am 9:30am	29.0	1,282.7	0.089	0.470	546	7.75	4.3

** Pump stop level in wet well was lowered in November and with high flows coming into wet well possibly stirred up bottom of wet well resulting in higher iron level. Sample visibly more orange.*
*** Creek frozen over*
*** Low flow in creek. Creek visibly orange at culvert
****No flow in creek (stagnant). Creek visibly orange at culvert

Exceeds Trigger Concentration of 1.0mg/L total iron or 0.35mg/L dissolved iron

APPENDIX 2
Groundwater Elevation Data – 1994 to 2021

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	1994-04-19	1994-05-10	1994-09-14	1994-12-01	1995-04-17	1995-09-12	1995-11-20	1996-05-01	1996-09-23	1997-05-01	1997-09-19	1998-05-04	1998-07-27	1998-08-25	1998-09-14	1999-03-02
	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)
00-1D	84.85	85.35	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
00-1M	NM	85.37	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
00-1S	NM	85.47	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
00-2D	99.47	100.08	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
00-2M	99.47	100.08	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
00-2S	99.47	100.08	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
00-3	83.28	83.78	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
88-16	105.21	106.40	NM	NM	102.76	NM	103.98	102.73	103.76	104.26	103.01	105.28	103.75	104.04	NM	NM	103.65	NM
90-1	119.68	120.43	NM	NM	114.15	115.49	116.13	114.19	116.29	116.49	115.54	116.35	114.2	116.25	NM	NM	115.18	NM
90-2D	105.80	106.45	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
90-2M	105.80	106.45	NM	104.2	103.12	103.74	104.35	103.12	104.45	104.67	103.94	104.58	103.45	104.5	NM	NM	103.55	104.36
90-2S	105.80	106.25	NM	104.35	103.92	103.93	104.39	103.91	104.4	104.48	104.14	104.45	103.9	104.03	NM	NM	104.09	104.35
90-3D	105.10	105.77	105.36	104.28	102.72	103.36	104.31	102.73	104.66	105.03	103.22	104.84	Dry Well	104.18	NM	NM	103.46	Frozen
90-3M	105.10	105.77	NM	103.36	102.68	103.06	103.61	102.78	103.62	103.86	104.09	103.81	102.98	103.3	NM	NM	102.99	103.57
90-3S	105.10	105.77	NM	103.47	103.3	103.51	103.62	103.32	103.61	Dry Well	104.77	104.69	Dry Well	103.52	NM	NM	Dry Well	Frozen
91-10D	113.01	113.74	108.03	106.46	104.06	105.4	106.24	104.22	107.17	107.47	106.59	107.01	104.42	105.99	104.77	104.83	105.11	105.9
91-10S	113.01	113.79	109.7	107.68	104.65	106.27	107.31	104.88	108.42	108.9	107.67	108.39	105.11	106.96	106.63	105.28	105.76	106.79
91-11D	108.59	109.35	106.23	105.49	104.01	104.73	105.45	103.98	105.76	106.03	105.35	105.97	104.26	105.62	105.22	104.74	104.67	105.45
91-11M	108.59	109.38	106.46	105.95	103.95	105	105.88	103.95	106.1	106.32	105.41	106.3	104.405	105.37	105.17	105.01	104.59	105.82
91-11S	108.59	109.43	106.36	106.03	105.43	105.3	106.13	105.45	105.88	106.37	105.69	106.37	105.6	106.13	105.4	105.52	105.62	106.37
91-1D	119.67	120.53	NM	NM	107.23	108.54	110.9	106.95	111.52	112.07	109.21	111.8	107.48	110.42	NM	NM	108.29	NM
91-1M	119.67	120.56	NM	NM	112.07	111.34	112.3	111.56	111.69	113.88	112.62	113.28	112.19	112.98	NM	NM	102.5	NM
91-1S	119.67	120.55	NM	NM	112.9	114.29	115.2	112.41	115.43	115.64	114.49	115.47	112.875	115.08	NM	NM	114.06	NM
91-2D	105.33	105.73	105.7	104.62	102.81	103.66	104.46	102.77	104.86	105.22	104.25	105.01	103.05	104.29	104.16	104	103.53	NM
91-2M	105.33	105.72	105.72	104.62	102.8	103.68	104.43	102.79	104.87	105.24	104.25	105.02	103.07	104.28	104.2	104.03	103.52	NM
91-2S	105.33	105.69	105.69	104.91	103.08	102.5	104.34	102.92	103.41	104.97	103.77	105.02	103.16	104.74	103.99	103.87	103.68	NM
91-3D	103.47	105.36	105.36	104.99	103.12	103.98	104.74	103.12	105.01	Flowing	Flowing	Flowing	104.45	Flowing	Flowing	105.3	104.99	111.87
91-3M	103.47	105.29	NM	104.72	102.86	103.71	104.51	102.84	104.77	Flowing	Flowing	Flowing	104.45	Flowing	Flowing	105.27	104.99	Frozen
91-3S	103.47	103.57	103.33	103.3	102.27	102.91	103.29	102.54	103.42	103.37	103.12	103.28	102.6	103.13	Flowing	103.09	102.85	Frozen
91-5D	104.01	104.16	104.16	104.16	102.61	103.5	104.16	102.64	104.16	Flowing	103.95	Flowing	102.86	104.13	103.88	103.54	103.31	Frozen
91-5S	104.01	104.16	103.95	103.7	102.65	103.23	103.55	102.85	103.92	103.94	103.64	103.64	102.95	103.45	103.47	103.37	103.22	Frozen
91-6D	106.69	107.24	105.24	104.62	102.77	103.6	104.54	102.68	104.75	105.09	104.28	105.09	103.07	104.54	104.34	103.83	103.68	104.68
91-6S	106.69	107.35	NM	105.24	102.56	103.61	105.25	102.06	105.43	105.78	104.53	105.68	102.685	104.91	104.75	103.71	103.71	104.69
91-7D	103.59	105.00	104.61	104.45	102.56	103.45	104.22	102.56	104.42	Flowing	104.56	Flowing	103.43	104.76	104.5	104.19	103.91	Frozen
91-7S	103.61	105.01	104.52	104.44	102.57	103.46	104.22	102.58	104.41	Flowing	104.52	Flowing	103.42	104.72	104.48	104.15	103.88	Frozen
91-8	105.11	105.45	NM	104.19	102.13	102.13	104.19	Dry Well	104.3	104.65	102.64	104.42	Dry Well	103.96	103.6	102.76	102.59	103.89
91-9D	106.81	107.70	105.73	105.02	103.06	104.5	105	103.03	105.56	105.45	104.57	105.32	103.47	104.59	104.23	103.93	103.69	104.82
91-9S	106.67	107.43	105.71	105.04	103.08	104.52	105.03	103.05	105	105.47	104.58	105.34	103.49	104.61	104.23	103.96	103.7	104.83
93-1D	108.06	108.65	105.23	104.59	102.72	103.31	104.27	102.63	104.44	104.98	104.17	104.77	102.93	104.5	104.07	103.85	103.55	104.49
93-1M	108.06	108.66	105.31	104.58	102.67	103.39	104.23	102.67	104.57	104.94	104.24	104.75	102.88	104.22	102.25	102.03	103.43	104.29
93-1S	108.06	108.65	105.36	104.6	102.65	103.52	104.26	102.66	104.64	104.97	104.23	104.84	102.89	104.19	104.32	103.9	103.43	104.35
93-2D	105.94	106.11	104.76	104.33	102.49	103.38	104.11	102.51	104.29	104.47	103.81	104.44	102.75	104	103.75	103.44	103.19	104.08
93-2M	105.94	106.23	104.87	104.44	102.56	103.46	104.22	102.57	104.4	104.61	103.91	104.56	102.81	104.12	103.85	103.53	103.28	104.17
93-2S	105.94	106.27	105.26	104.65	102.66	103.9	104.89	102.72	104.95	104.78	104.06	104.71	102.865	104.34	103.97	103.55	103.36	104.37
93-3D	106.61	107.19	105.12	104.57	102.33	103.39	104.32	102.34	104.52	104.85	103.96	104.8	102.61	104.23	103.96	103.57	103.22	104.28
93-3S	106.61	107.35	105.09	104.54	102.3	103.37	104.29	102.31	104.49	104.82	103.93	104.77	102.58	104.2	104.02	103.54	103.19	104.25
93-4D	108.33	109.28	105.61	104.23	100.14	101.25	103.33	100.05	103.6	104.88	102.26	104.8	100.32	103.38	102.83	100.54	101	103.17
93-4S	108.33	109.30	108.02	106.92	105.18	105.36	107.43	104.65	107.38	107.86	106.12	107.67	105.54	107.5	106.9	106.55	106.46	107.43
93-5D	103.92	104.42	103.7	103.39	102.53	103.19	103.38	102.66	103.61	103.59	103.3	103.5	102.76	103.16	103.18	103.1	103.03	103.32
93-5S	103.92	104.47	103.7	103.38	102.53	103.19	103.37	102.64	103.59	103.58	103.29	103.49	102.76	103.15	103.17	103.1	103.01	103.33
93-6	116.77	117.63	NM	115.26	113.65	115.28	115.3	113.43	115.31	115.32	115.24	115.33	113.69	115.3	NM	NM	115.01	NM
93-7	118.86	119.42	NM	NM	114	115.57	116.02	113.71	116.07	116.21	115.52	116.16	113.94	116.02	NM	NM	115.1	NM
93-8D	104.86	105.20	104.56	104.12	102.29	103.18	103.91	102.32	104.1	104.27	103.63	104.23	102.55	103.81	105.2	103.25	103	103.85
93-8M	104.86	105.44	104.84	104.41	102.58	103.46	104.19	102.59	104.37	104.55	103.9	104.5	102.83	104.08	105.44	103.53	103.28	104.16
93-8S	104.86	105.48	104.82	104.48	102.85	103.66	104.3	102.89	104.47	104.61	104.05	104.52	103.095	104.19	105.48	103.72	103.5	104.23
94-1D	118.80	119.02	NM	NM	NM	116.86	117.63	113.18	117.64	117.66	117.15	117.66	114.755	117.47	NM	NM	116.92	NM
94-1S	118.80	119.37	NM	NM	NM	117.13	117.63	114.46	117.64	117.67	117.13	117.63	114.83	117.49	NM	NM	116.77	NM
94-2D	117.30	117.56	NM	NM	NM	116.92	116.96	113.58	116.89	116.99	116.3	116.86	113.92	116.87	NM	NM	115.46	NM
94-2S	117.30	117.67	NM	NM	NM	116.85	116.94	113.56	116.98	116.98	116.32	117.11	113.88	116.84	NM	NM	115.53	NM

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	1999-03-13	1999-04-22	1999-09-15	2000-05-19	2000-09-16	2001-05-07	2001-09-07	2002-05-05	2002-09-13	2004-04-06	2004-09-21	2005-05-14
	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)
00-1D	84.85	85.35	NM	NM	NM	NM	NM	NM	NM	83.89	82.81	83.92	81.54	83.66
00-1M	NM	85.37	NM	NM	NM	NM	NM	NM	NM	83.93	82.82	83.9	82.78	83.66
00-1S	NM	85.47	NM	NM	NM	NM	NM	NM	NM	83.32	81.91	83.34	82.97	83.13
00-2D	99.47	100.08	NM	NM	NM	NM	NM	NM	NM	Flowing	NM	Flowing	Flowing	99.87
00-2M	99.47	100.08	NM	NM	NM	NM	NM	NM	NM	Flowing	NM	99.66	99.47	99.59
00-2S	99.47	100.08	NM	NM	NM	NM	NM	NM	NM	Flowing	NM	100.02	99.92	99.75
00-3	83.28	83.78	NM	NM	NM	NM	NM	NM	NM	Flowing	Flowing	Flowing	Flowing	Flowing
88-16	105.21	106.40	105.01	104.09	NM	NM	104.19	104.18	NM	NM	NM	NM	NM	NM
90-1	119.68	120.43	116.41	116.22	NM	NM	NM	115.95	NM	119.63	NM	NM	NM	NM
90-2D	105.80	106.45	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
90-2M	105.80	106.45	104.81	104.27	103.3	104.985	NM	104.1	103.7	105.02	103.56	104.17	NM	104.11
90-2S	105.80	106.25	104.34	104.32	Dry Well	104.565	NM	104.27	103.75	104.59	104.15	104.04	NM	103.95
90-3D	105.10	105.77	Frozen	104.07	Dry Well	104.985	NM	103.97	102.42	104.96	102.66	104.855	NM	104.77
90-3M	105.10	105.77	103.67	103.2	102.862	103.965	NM	103.46	102.35	103.98	102.78	103.68	NM	103.62
90-3S	105.10	105.77	103.61	103.4	Dry Well	104.04	NM	104.47	102.8	Dry Well	Dry Well	NM	NM	NM
91-10D	113.01	113.74	106.19	106.1	104.346	107.03	105.54	105.695	103.415	107.27	103.9	107.18	106.37	107.1
91-10S	113.01	113.79	107.305	107.18	105.01	108.56	106.39	106.725	104.255	108.91	104.49	108.64	107.66	108.58
91-11D	108.59	109.35	105.44	105.47	104.106	106.01	105.065	105.245	104.262	106.12	104.04	106.2	105.61	106.14
91-11M	108.59	109.38	105.96	105.85	104.125	106.495	105.2	105.655	NM	106.39	103.54	106.44	105.74	106.37
91-11S	108.59	109.43	106.29	106.3	105.421	106.31	105.76	106.165	Dry Well	106.4	105.63	106.41	105.92	106.33
91-1D	119.67	120.53	111.475	110.98	NM	NM	108.7	110.28	NM	112.1	NM	112.08	NM	111.98
91-1M	119.67	120.56	112.535	112.84	NM	NM	112.73	113	NM	113.06	NM	112.73	NM	112.56
91-1S	119.67	120.55	115.43	115.21	NM	NM	114.35	115.02	NM	115.6	NM	115.95	NM	115.85
91-2D	105.33	105.73	104.645	104.55	102.949	105.265	104.02	104.36	103.59	105.3	102.76	105.41	95.7	105.345
91-2M	105.33	105.72	104.64	104.54	102.977	105.3	103.95	104.355	103.67	105.33	102.77	105.08	104.3	105.01
91-2S	105.33	105.69	104.635	104.88	102.81	104.97	103.655	104.75	103.71	105.1	103.17	105.46	104.68	105.4
91-3D	103.47	105.36	112.8	112.12	107.22	113.24	109.66	111.24	108.47	113.7	107.29	113.61	112.29	113.29
91-3M	103.47	105.29	Frozen	Flowing	104.368	Flowing	NM	Flowing	103.8	Flowing	104.07	Flowing	Flowing	Flowing
91-3S	103.47	103.57	Frozen	103.1	102.598	Flowing	103	103.21	102.32	103.48	102.44	Flowing	Flowing	Flowing
91-5D	104.01	104.16	Frozen	Flowing	102.815	Flowing	103.79	104.13	102.155	Flowing	103.4	Flowing	103.66	Flowing
91-5S	104.01	104.16	Frozen	103.29	103.091	103.985	103.57	103.51	102.565	Flowing	104.08	Flowing	104.11	Flowing
91-6D	106.69	107.24	104.9	104.77	102.942	105.21	104.12	104.539	102.41	105.25	102.69	105.33	104.86	105.22
91-6S	106.69	107.35	104.68	105.2	102.345	105.76	104.13	104.82	101.8	105.62	102.36	105.97	104.78	105.9
91-7D	103.59	105.00	Frozen	Flowing	103.355	Flowing	104.4	104.72	102.66	Flowing	103.46	Flowing	NM	Flowing
91-7S	103.61	105.01	Frozen	Flowing	103.351	Flowing	104.26	104.65	102.65	Flowing	102.95	Flowing	NM	Flowing
91-8	105.11	105.45	103.86	104.11	Dry Well	104.52	102.68	103.91	Dry Well	104.36	102.3	104.21	103.82	104.07
91-9D	106.81	107.70	104.98	104.83	103.274	105.51	104.32	104.52	102.31	105.41	102.62	105.56	104.76	105.45
91-9S	106.67	107.43	105	104.84	103.295	105.51	104.31	104.55	102.315	105.36	102.63	105.57	104.82	105.52
93-1D	108.06	108.65	104.6	104.71	102.72	105.01	103.56	104.55	102.325	105.01	102.65	105.13	104.73	105.05
93-1M	108.06	108.66	104.35	104.4	102.85	104.955	103.86	104.26	102.245	104.96	102.51	105.09	104.51	105.04
93-1S	108.06	108.65	104.355	104.38	102.846	104.91	103.9	104.275	102.24	104.99	102.5	105.13	104.46	105.05
93-2D	105.94	106.11	104.2	104.16	102.695	104.55	103.66	103.99	102.03	NM	102.67	104.74	104.04	104.65
93-2M	105.94	106.23	104.325	104.28	102.75	104.66	103.76	104.11	102.09	NM	102.33	104.87	104.15	104.79
93-2S	105.94	106.27	104.49	104.47	102.786	104.61	103.88	104.26	102.115	NM	102.33	104.94	104.2	104.88
93-3D	106.61	107.19	104.52	104.46	102.637	104.92	103.82	104.22	101.84	104.9	102.18	105.11	104.22	105.04
93-3S	106.61	107.35	104.485	104.44	102.605	104.88	103.79	104.195	101.81	104.88	102.13	105.08	104.21	105.02
93-4D	108.33	109.28	104.2	104.2	100.335	105.02	102.03	103.46	99.56	105.05	99.98	105.24	103.28	105.08
93-4S	108.33	109.30	107.38	107.62	104.963	108.035	106.49	107.475	104.475	107.73	104.91	107.69	106.85	107.48
93-5D	103.92	104.42	103.265	103.23	102.542	103.64	103.205	103.18	102.12	103.49	102.2	103.71	103.37	103.52
93-5S	103.92	104.47	103.255	103.23	102.536	103.635	103.2	103.12	102.08	103.47	102.14	103.7	103.33	103.545
93-6	116.77	117.63	115.32	115.31	Dry Well	115.345	115.24	115.285	114.21	115.33	113.91	115.33	115.29	115.27
93-7	118.86	119.42	116.15	116.08	Dry Well	116.19	115.62	115.84	114.445	116.17	114.94	116.17	115.74	116.12
93-8D	104.86	105.20	104.005	103.97	102.5	104.35	103.45	103.79	101.84	104.4	102.07	104.58	103.9	104.5
93-8M	104.86	105.44	104.27	104.21	102.782	104.63	103.81	104.075	102.12	104.64	102.35	104.77	104.08	104.745
93-8S	104.86	105.48	104.33	104.3	103.082	104.68	103.9	104.17	102.46	104.69	102.66	104.85	NM	104.78
94-1D	118.80	119.02	117.51	117.56	NM	NM	NM	117.49	117.045	117.7	NM	117.69	116.88	117.63
94-1S	118.80	119.37	117.6	117.54	NM	NM	NM	117.52	117.24	117.68	NM	117.68	117.38	117.62
94-2D	117.30	117.56	NM	116.96	NM	NM	NM	116.965	NM	NM	NM	116.475	115.55	116.42
94-2S	117.30	117.67	NM	116.9	NM	NM	NM	116.705	NM	NM	NM	116.23	115.78	116.19

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	2005-09-22	2005-09-25	2006-05-15	2006-09-21	2007-05-06	2007-09-12	2008-05-23	2008-09-26	2009-05-21	2009-09-10	2010-05-03	2010-05-05	2010-08-27	2011-05-03	2011-08-31	2012-05-17
	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)
00-1D	84.85	85.35	83.48	NM	83.655	83.35	83.62	83.29	83.62	83.54	83.71	83.25	NM	83.61	83.29	83.87	82.82	83.69
00-1M	NM	85.37	83.47	NM	83.665	83.35	83.61	83.27	83.63	83.54	83.73	83.24	NM	83.63	83.27	83.88	82.87	83.69
00-1S	NM	85.47	82.73	NM	83.135	82.59	83.06	82.81	83.07	83.02	83.21	83.36	NM	83.12	83.38	83.38	82.48	83.27
00-2D	99.47	100.08	98.9	NM	99.705	98.64	99.67	99.3	99.73	99.56	99.28	98.68	99.72	NM	98.72	NM	98.61	99.53
00-2M	99.47	100.08	98.82	NM	99.62	98.56	99.58	99.2	99.66	99.42	99.89	98.88	99.13	NM	98.91	99.66	98.34	99.40
00-2S	99.47	100.08	98.8	NM	99.11	98.79	99.06	98.57	99.12	99.04	99.99	98.61	99.59	NM	98.63	NM	98.52	99.68
00-3	83.28	83.78	NM	NM	Flowing	Flowing	Flowing	Flowing	Flowing	NM	Flowing	Flowing	Flowing	NM	Flowing	Flowing	Flowing	Flowing
88-16	105.21	106.40	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
90-1	119.68	120.43	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
90-2D	105.80	106.45	NM	NM	NM	NM	NM	NM	NM	104.61	104.33	105.15	104.43	NM	105.18	105.1	104.52	104.54
90-2M	105.80	106.45	NM	104.08	104.395	NM	104.34	103.75	104.38	104.34	104.62	103.65	104.23	NM	103.75	104.74	104.39	104.22
90-2S	105.80	106.25	NM	103.95	104.2	NM	104.155	Dry Well	104.17	104.13	104.17	103.4	104.12	NM	103.56	104.26	104.13	104.20
90-3D	105.10	105.77	NM	103.78	104.26	NM	104.28	103.54	104.27	104.18	104.44	103.1	104.16	NM	103.18	105.07	104.47	104.29
90-3M	105.10	105.77	NM	103.47	104.49	NM	104.41	103.66	104.45	104.37	103.21	102.81	103.46	NM	102.94	103.87	103.63	103.19
90-3S	105.10	105.77	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-10D	113.01	113.74	105.64	NM	105.94	104.41	105.8	104.73	105.91	105.78	106.66	104.48	105.93	NM	104.54	107.25	104.89	106.26
91-10S	113.01	113.79	106.57	NM	107.06	104.95	106.59	105.41	107.09	107	108.15	104.98	106.8	NM	105.05	108.75	105.5	107.61
91-11D	108.59	109.35	105.13	NM	105.615	104.54	105.73	104.65	105.67	105.61	105.84	100.54	105.5	NM	100.62	106.18	104.89	105.63
91-11M	108.59	109.38	105.07	NM	106.03	NM	106.02	104.36	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-11S	108.59	109.43	105.815	NM	Blocked	Dry Well	106.63	105.55	Blocked	NM	106.19	100.58	106.12	NM	100.73	106.29	104.58	106.16
91-1D	119.67	120.53	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-1M	119.67	120.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-1S	119.67	120.55	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-2D	105.33	105.73	103.81	NM	104.365	NM	104.25	103.42	104.4	104.38	104.49	103.15	104.25	NM	103.23	105.21	104.2	104.43
91-2M	105.33	105.72	103.82	NM	104.37	NM	104.26	103.43	104.385	104.36	104.48	103.12	104.22	NM	103.23	105.23	104.26	104.42
91-2S	105.33	105.69	103.29	NM	104.495	NM	104.48	103.595	104.515	104.48	104.65	102.91	104.45	NM	103.01	105.42	104.34	104.41
91-3D	103.47	105.36	109.43	NM	111.49	108.03	111.29	110.08	NM	NM	NM	104.59	105.09	NM	104.66	105.36	105.06	105.36
91-3M	103.47	105.29	105.275	NM	Flowing	104.68	Flowing	Flowing	Flowing	105.21	NM	104.57	105.29	NM	104.62	105.29	104.93	105.29
91-3S	103.47	103.57	103.06	NM	103.38	NM	103.29	102.88	103.42	103.37	103.27	102.91	103.56	NM	102.98	103.47	103.2	103.44
91-5D	104.01	104.16	101.27	NM	104.14	104.07	104.1	103.83	104.12	104.04	103.7	103.07	103.5	NM	103.15	104.16	103.39	104.16
91-5S	104.01	104.16	100.68	NM	103.61	103.12	103.45	103.16	103.66	103.53	103.29	103.04	104.11	NM	103.11	104.16	103.43	104.16
91-6D	106.69	107.24	103.93	NM	104.59	103.16	104.43	103.96	104.63	104.58	104.8	103.41	104.56	NM	103.51	105.2	103.73	104.79
91-6S	106.69	107.35	103.97	NM	104.87	102.66	104.76	104.23	104.92	104.855	105.08	102.97	104.79	NM	103.04	105.47	103.68	105.02
91-7D	103.59	105.00	104.17	NM	104.69	103.5	104.56	104.17	104.73	104.66	104.85	103.51	104.68	NM	103.62	105	103.92	104.85
91-7S	103.61	105.01	104.14	NM	104.64	103.49	104.48	104.07	104.69	104.645	104.8	103.5	104.63	NM	103.58	105.01	103.89	104.84
91-8	105.11	105.45	Dry Well	NM	103.8	Dry Well	103.64	103.28	103.855	103.8	103.83	101.52	103.71	NM	101.72	104.01	NM	103.73
91-9D	106.81	107.70	104.23	NM	104.65	103.76	104.62	103.78	104.72	104.66	104.85	103.38	104.52	NM	103.61	105.28	103.77	104.80
91-9S	106.67	107.43	104.25	NM	104.67	103.79	104.59	103.74	104.735	104.69	104.88	103.4	104.54	NM	103.54	105.29	103.78	104.83
93-1D	108.06	108.65	103.65	NM	104.48	102.87	104.47	103.76	104.54	104.51	104.62	103.05	104.34	NM	103.13	105.14	103.4	104.57
93-1M	108.06	108.66	103.69	NM	104.15	102.96	104.06	103.3	104.22	104.17	104.34	103.22	104.09	NM	103.27	104.85	103.42	104.31
93-1S	108.06	108.65	102.695	NM	104.16	102.96	104.12	103.35	104.255	104.2	104.37	103.02	104.11	NM	103.16	104.88	103.42	104.33
93-2D	105.94	106.11	103.51	NM	103.985	NM	103.9	103	104.025	103.98	104.17	102.86	104.01	NM	102.97	104.51	103.27	104.16
93-2M	105.94	106.23	103.59	NM	104.1	102.93	103.975	103.03	104.13	104.07	104.27	102.94	104.11	NM	103.03	104.72	103.36	104.28
93-2S	105.94	106.27	103.63	NM	104.17	102.93	104.03	103.085	104.21	104.15	104.34	102.95	104.16	NM	103.03	104.66	103.37	104.34
93-3D	106.61	107.19	103.63	NM	104.22	102.81	103.95	103.03	104.295	104.26	104.46	102.77	104.2	NM	102.9	104.87	103.31	104.44
93-3S	106.61	107.35	103.6	NM	104.19	102.78	101.23	100.32	104.255	104.19	104.43	102.75	104.16	NM	102.9	104.85	103.27	104.41
93-4D	108.33	109.28	101.71	NM	103.2	100.61	107.44	106.55	103.27	103.23	103.92	100.7	102.95	NM	100.77	104.98	101.32	103.81
93-4S	108.33	109.30	105.815	NM	107.52	105.08	108.065	107.04	107.585	107.54	107.59	105.99	107.45	NM	106.13	107.74	106.1	107.47
93-5D	103.92	104.42	103.3	NM	103.24	102.81	103.03	102.325	103.325	103.27	103.3	102.75	103.18	NM	102.91	103.59	103.12	103.31
93-5S	103.92	104.47	103.23	NM	103.17	102.81	103.08	102.36	103.225	103.17	103.28	102.71	103.18	NM	102.84	103.5	103.07	103.28
93-6	116.77	117.63	115.23	NM	115.33	NM	115.34	114.58	115.37	115.32	115.32	114.27	115.3	NM	114.32	115.35	114.75	115.37
93-7	118.86	119.42	115.36	NM	115.93	NM	115.91	115.01	116.01	115.92	115.87	114.43	115.94	NM	114.55	116.11	115.53	115.86
93-8D	104.86	105.20	103.32	NM	103.8	102.67	103.74	102.59	103.875	NM	103.97	102.91	103.79	NM	102.98	104.33	103.08	103.95
93-8M	104.86	105.44	103.59	NM	104.075	102.95	104.04	103.32	104.15	105.32	104.19	103.24	104.06	NM	103.34	104.59	103.36	104.25
93-8S	104.86	105.48	103.8	NM	104.21	103.21	104.17	103.445	104.28	104.77	104.37	102.95	104.23	NM	103.06	104.7	103.61	104.39
94-1D	118.80	119.02	NM	116.825	117.585	NM	117.61	116.88	117.63	117.58	117.52	114.76	117.54	NM	114.83	117.62	116.17	117.54
94-1S	118.80	119.37	NM	117.28	117.53	NM	117.48	116.7	117.59	117.57	117.52	114.81	117.49	NM	114.9	117.62	116.21	117.54
94-2D	117.30	117.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
94-2S	117.30	117.67	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	2012-08-18	2013-05-17	2013-09-03	2014-05-20	2014-09-01	2015-05-24	2015-09-14	2016-05-19	2016-08-26	2017-05-25	2017-08-26	2018-05-18	2018-09-06	2019-05-31	2019-09-17	2020-05-15
	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)	(masl)
00-1D	84.85	85.35	82.73	82.94	82.86	83.76	82.37	83.83	83.63	83.74	79.23	79.29	79.19	80.10	79.04	80.05	78.74	81.46
00-1M	NM	85.37	82.78	82.97	82.92	83.76	82.41	83.79	83.57	83.67	79.41	79.47	79.49	80.21	79.18	80.18	78.83	81.63
00-1S	NM	85.47	82.36	82.63	82.54	83.30	82.17	83.33	83.17	83.21	79.58	79.68	79.48	80.44	79.31	80.37	79.04	81.95
00-2D	99.47	100.08	98.49	99.55	98.62	Flowing	99.20	Flowing	99.94	100.02	97.11	97.09	97.04	97.69	96.60	97.66	96.53	99.42
00-2M	99.47	100.08	98.23	99.43	98.38	99.38	98.83	99.59	99.28	99.99	96.78	96.78	96.72	97.39	96.38	97.35	96.64	99.35
00-2S	99.47	100.08	98.42	99.72	98.56	Flowing	98.89	Flowing	99.88	100.03	98.07	98.03	97.97	98.59	97.07	98.55	97.98	99.64
00-3	83.28	83.78	Flowing	Flowing	Flowing	Flowing	Flowing	Flowing	83.49	Flowing	Flowing	Flowing	Flowing	Flowing	83.68	Flowing	83.75	Flowing
88-16	105.21	106.40	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
90-1	119.68	120.43	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
90-2D	105.80	106.45	104.41	104.59	104.55	104.66	104.49	104.7	NM	104.75	NM	104.65	104.64	104.69	104.04	104.66	104.05	104.85
90-2M	105.80	106.45	104.32	104.31	104.42	104.33	104.21	104.35	NM	104.44	NM	104.45	104.39	104.49	103.92	104.47	103.88	104.64
90-2S	105.80	106.25	103.99	104.25	104.15	104.20	104.12	104.22	NM	104.32	NM	104.33	104.25	Dry Well	Dry Well	Dry Well	Dry Well	Dry Well
90-3D	105.10	105.77	104.34	104.33	104.53	103.26	104.21	103.27	103.15	103.16	101.66	101.72	101.68	103.07	102.11	103.02	103.48	103.47
90-3M	105.10	105.77	103.57	103.21	103.69	104.5	103.14	104.48	104.39	104.39	102.97	102.98	102.91	101.89	101.26	101.85	101.17	102.41
90-3S	105.10	105.77	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-10D	113.01	113.74	104.77	106.29	104.94	106.66	106.15	106.68	106.6	106.61	103.76	103.83	103.78	104.28	103.35	104.25	103.56	105.47
91-10S	113.01	113.79	105.40	107.64	105.54	NM	107.51	NM	NM	NM	104.66	104.72	104.68	104.78	103.86	104.73	103.89	105.79
91-11D	108.59	109.35	104.77	105.65	104.9	105.76	105.47	105.77	105.69	105.69	104.18	104.16	104.11	104.46	103.75	104.34	103.21	105.24
91-11M	108.59	109.38	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-11S	108.59	109.43	104.47	106.19	104.62	106.39	106.02	106.37	106.3	106.27	103.81	103.90	103.83	104.32	103.69	104.30	103.16	105.28
91-1D	119.67	120.53	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-1M	119.67	120.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-1S	119.67	120.55	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-2D	105.33	105.73	104.12	104.44	104.23	104.73	104.37	104.67	104.65	104.57	101.69	101.72	101.66	104.18	103.35	104.12	103.43	104.44
91-2M	105.33	105.72	104.19	104.4	104.28	105.21	104.32	105.2	105.06	105.02	102.95	102.95	102.92	104.19	102.32	104.13	103.43	104.46
91-2S	105.33	105.69	104.25	104.41	104.37	104.62	104.32	104.6	104.49	104.48	102.47	102.58	102.51	104.75	103.95	104.71	103.90	104.99
91-3D	103.47	105.36	104.90	Flowing	105.07	105.36	105.14	Flowing	102.74	105.3	104.18	104.21	104.16	101.56	100.53	101.53	101.06	102.42
91-3M	103.47	105.29	104.76	Flowing	104.95	105.29	105.11	Flowing	103.91	105.25	104.26	104.28	104.23	102.66	101.55	102.60	101.32	103.01
91-3S	103.47	103.57	103.02	103.47	103.22	103.54	102.83	103.55	NM	103.43	102.59	102.61	102.58	100.69	99.67	100.63	99.46	101.25
91-5D	104.01	104.16	103.30	104.09	103.4	104.14	103.97	104.12	104	104.03	102.52	102.54	102.46	102.77	101.85	102.70	101.76	102.98
91-5S	104.01	104.16	103.32	104.11	103.43	104.15	103.98	104.14	104.03	104.04	102.57	102.57	102.52	102.74	100.83	102.67	101.76	102.94
91-6D	106.69	107.24	103.64	104.83	103.74	105.17	104.58	105.16	105.1	105.08	102.77	102.80	102.75	104.57	103.22	104.53	103.64	104.95
91-6S	106.69	107.35	103.63	105.05	103.72	105.08	104.80	105.06	104.98	104.99	102.00	102.07	102.03	104.61	103.30	104.60	103.71	105.02
91-7D	103.59	105.00	103.84	104.89	103.96	105.00	104.69	Flowing	104.7	104.85	103.08	103.04	102.98	104.65	102.82	104.70	103.40	104.66
91-7S	103.61	105.01	103.81	104.89	103.91	105.01	104.68	Flowing	104.61	104.82	103.07	103.09	103.02	104.63	102.77	104.66	103.36	104.62
91-8	105.11	105.45	NM	103.78	Dry Well	103.86	103.67	103.87	103.76	103.81	NM	NM	NM	104.29	102.76	104.34	103.21	104.31
91-9D	106.81	107.70	103.70	104.84	103.8	105.00	104.74	104.99	104.9	104.93	103.19	103.20	103.15	103.55	102.32	103.51	102.50	104.43
91-9S	106.67	107.43	103.71	104.88	103.8	105.01	104.77	104.99	104.89	104.94	103.09	103.08	103.04	103.17	101.94	103.13	102.18	104.05
93-1D	108.06	108.65	103.33	104.6	103.44	105.04	104.24	105.07	104.98	105.03	102.61	102.61	102.57	103.21	102.22	103.15	102.13	103.67
93-1M	108.06	108.66	103.34	104.36	103.44	104.65	104.21	104.66	104.57	104.56	102.55	102.55	102.52	103.13	101.94	103.07	102.06	103.88
93-1S	108.06	108.65	103.34	104.38	103.45	104.67	104.49	104.71	104.57	104.6	102.56	102.62	102.57	103.19	101.97	103.13	102.07	103.90
93-2D	105.94	106.11	103.17	104.21	103.29	104.39	104.07	104.41	104.29	104.35	102.37	102.37	102.33	103.85	101.71	103.73	102.77	104.34
93-2M	105.94	106.23	103.25	104.32	103.37	104.50	104.17	104.52	104.39	104.44	102.51	102.49	102.43	103.98	101.84	103.93	102.86	104.51
93-2S	105.94	106.27	103.27	104.41	103.37	104.56	104.25	104.58	104.44	104.5	102.49	102.55	102.51	104.05	101.89	103.99	102.88	104.57
93-3D	106.61	107.19	103.23	104.47	103.35	104.71	104.29	104.76	104.67	104.72	102.23	102.28	102.20	104.20	101.79	104.13	103.18	104.99
93-3S	106.61	107.35	103.18	104.45	103.35	104.69	104.31	104.73	104.57	104.65	102.19	102.23	102.20	104.09	101.62	104.02	103.11	104.94
93-4D	108.33	109.28	101.24	103.84	101.36	104.67	103.68	104.71	104.63	104.64	103.15	105.32	105.27	103.31	100.25	103.19	100.64	104.30
93-4S	108.33	109.30	105.99	107.5	106.12	107.70	107.33	107.78	107.51	107.7	105.33	103.20	103.15	107.42	105.30	107.33	105.49	108.00
93-5D	103.92	104.42	103	103.34	103.12	103.46	103.24	103.43	103.29	103.34	102.40	102.41	102.37	103.11	100.78	103.09	101.76	103.44
93-5S	103.92	104.47	102.94	103.33	103.09	103.42	103.21	103.38	103.28	103.3	102.43	102.47	102.39	103.09	100.69	102.99	101.64	103.29
93-6	116.77	117.63	114.62	115.43	114.77	115.32	115.32	115.34	115.22	115.26	113.86	113.94	113.85	114.27	112.94	114.23	113.33	115.15
93-7	118.86	119.42	115.43	115.9	115.58	115.91	115.83	115.95	115.8	115.87	114.31	114.41	114.28	115.68	114.54	115.62	114.64	116.69
93-8D	104.86	105.20	102.95	104	103.1	104.19	103.84	104.21	104.12	104.135	102.22	102.26	102.19	103.62	101.09	103.55	102.60	103.99
93-8M	104.86	105.44	103.23	104.28	103.39	104.48	104.11	104.51	104.37	104.41	102.49	102.52	102.46	103.96	101.43	103.87	102.87	104.26
93-8S	104.86	105.48	103.49	104.46	103.64	104.62	104.26	104.66	104.49	104.48	102.77	102.89	102.80	104.30	101.64	104.15	103.15	104.43
94-1D	118.80	119.02	116.02	117.56	116.21	117.99	117.13	118.02	117.86	117.94	115.36	115.40	115.38	116.30	114.98	116.22	114.98	116.96
94-1S	118.80	119.37	116.09	117.57	116.27	117.89	117.77	117.96	117.75	117.87	115.77	115.90	115.86	116.86	115.54	116.76	115.65	117.49
94-2D	117.30	117.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
94-2S	117.30	117.67	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	2020-09-11	2021-06-23	2021-09-14
	(masl)	(masl)	(masl)	(masl)	(masl)
00-1D	84.85	85.35	79.04	83.23	83.15
00-1M	NM	85.37	78.89	83.28	83.15
00-1S	NM	85.47	79.18	82.16	82.05
00-2D	99.47	100.08	96.59	98.91	98.35
00-2M	99.47	100.08	96.70	98.86	98.30
00-2S	99.47	100.08	97.97	98.36	97.93
00-3	83.28	83.78	83.68	Flowing	Flowing
88-16	105.21	106.40	NM	NM	NM
90-1	119.68	120.43	NM	NM	NM
90-2D	105.80	106.45	104.09	103.93	103.64
90-2M	105.80	106.45	103.94	103.92	103.65
90-2S	105.80	106.25	Dry Well	104.31	104.02
90-3D	105.10	105.77	102.53	103.11	102.94
90-3M	105.10	105.77	101.24	102.76	102.60
90-3S	105.10	105.77	NM	NM	NM
91-10D	113.01	113.74	103.60	104.45	103.98
91-10S	113.01	113.79	104.07	105.21	104.59
91-11D	108.59	109.35	103.29	104.66	104.35
91-11M	108.59	109.38	NM	104.11	103.80
91-11S	108.59	109.43	103.23	105.66	105.64
91-1D	119.67	120.53	NM	108.71	107.70
91-1M	119.67	120.56	NM	113.18	107.67
91-1S	119.67	120.55	NM	114.28	113.28
91-2D	105.33	105.73	103.52	103.38	102.99
91-2M	105.33	105.72	103.52	104.05	102.97
91-2S	105.33	105.69	103.95	103.34	102.90
91-3D	103.47	105.36	101.10	104.90	104.56
91-3M	103.47	105.29	101.47	104.79	104.45
91-3S	103.47	103.57	99.57	103.01	102.68
91-5D	104.01	104.16	101.82	103.30	102.92
91-5S	104.01	104.16	101.76	103.22	103.00
91-6D	106.69	107.24	103.93	103.68	103.24
91-6S	106.69	107.35	104.00	103.48	102.61
91-7D	103.59	105.00	103.43	103.88	103.45
91-7S	103.61	105.01	103.42	103.86	103.33
91-8	105.11	105.45	103.25	102.77	102.37
91-9D	106.81	107.70	102.65	103.47	103.27
91-9S	106.67	107.43	102.28	103.63	103.29
93-1D	108.06	108.65	102.15	NM	103.05
93-1M	108.06	108.66	102.11	NM	102.89
93-1S	108.06	108.65	102.16	NM	102.84
93-2D	105.94	106.11	102.81	104.06	102.76
93-2M	105.94	106.23	102.91	103.23	102.84
93-2S	105.94	106.27	102.91	103.27	102.87
93-3D	106.61	107.19	103.35	103.19	102.69
93-3S	106.61	107.35	103.21	103.17	102.66
93-4D	108.33	109.28	100.74	104.20	100.53
93-4S	108.33	109.30	105.58	106.24	105.47
93-5D	103.92	104.42	101.82	102.82	102.52
93-5S	103.92	104.47	101.70	102.77	102.53
93-6	116.77	117.63	113.35	114.83	114.10
93-7	118.86	119.42	114.87	NM	114.28
93-8D	104.86	105.20	102.76	103.19	102.60
93-8M	104.86	105.44	102.94	103.24	102.86
93-8S	104.86	105.48	103.19	103.25	103.12
94-1D	118.80	119.02	114.97	NM	NM
94-1S	118.80	119.37	115.71	NM	NM
94-2D	117.30	117.56	NM	NM	NM
94-2S	117.30	117.67	NM	NM	NM

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	1994-04-19	1994-05-10	1994-09-14	1994-12-01	1995-04-17	1995-09-12	1995-11-20	1996-05-01	1996-09-23	1997-05-01	1997-09-19	1998-05-04	1998-07-27	1998-08-25	1998-09-14	1999-03-02
98-1D	108.10	108.19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.15	104.86	105.09	105.75
98-1M	108.10	108.37	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.53	105.16	105.09	105.72
98-1S	108.10	108.45	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.84	105.43	105.06	105.44
98-2D	112.95	113.76	104.91	104.45	103.19	103.92	104.62	103.15	104.7	104.97	104.17	104.9	103.53	104.3	105.45	105.01	103.68	104.65
98-2M	112.95	113.82	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.43	105.02	104.95	105.67
98-2S	112.95	113.82	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.67	105.11	105.04	106.31
98-3D	111.92	112.73	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.118	104.518	104.65	105.46
98-3M	111.92	112.74	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.313	104.443	104.56	105.34
98-3S	111.92	112.80	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.459	104.679	104.5	105.03
98-4D	115.81	116.66	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	106.769	105.399	105.19	105.93
98-4M	115.81	116.57	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	106.201	105.071	105.37	106.2
98-4S	115.81	116.59	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.78	104.99	105.934	107.024

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	1999-03-13	1999-04-22	1999-09-15	2000-05-19	2000-09-16	2001-05-07	2001-09-07	2002-05-05	2002-09-13	2004-04-06	2004-09-21	2005-05-14
98-1D	108.10	108.19	105.89	105.76	104.475	106.17	105.37	105.585	105.12	106.32	104.46	106.34	105.93	106.23
98-1M	108.10	108.37	105.86	105.745	104.49	106.08	105.34	105.56	105.125	106.3	104.45	106.34	105.9	106.22
98-1S	108.10	108.45	105.505	105.43	104.486	105.66	105.2	105.385	104.99	105.83	104.54	105.96	105.66	105.91
98-2D	112.95	113.76	104.43	104.43	103.355	104.74	105.23	104.23	103.78	104.765	103.44	104.41	107.7	104.35
98-2M	112.95	113.82	105.9	105.69	104.325	106.53	105.24	105.46	103.795	106.35	109.25	106.35	105.82	105.78
98-2S	112.95	113.82	107.23	106.4	104.335	108.57	105.3	105.775	103.815	108.57	104.23	108.32	105.1	106.22
98-3D	111.92	112.73	105.575	105.5	100.56	104.18	105.34	105.205	103.34	106.69	108.39	106.84	105.88	106.76
98-3M	111.92	112.74	105.323	105.383	100.75	106.953	105.443	105.093	103.323	106.903	108.293	106.983	106.023	106.903
98-3S	111.92	112.80	105.2	105.24	101.29	107.4	105.61	104.98	103.44	107.24	107.12	107.29	105.98	107.16
98-4D	115.81	116.66	106.149	106.029	107.979	106.629	105.589	105.724	103.859	106.929	104.299	106.839	106.319	106.749
98-4M	115.81	116.57	107.216	106.521	107.772	107.126	106.021	106.231	103.721	108.141	104.191	108.051	107.081	107.971
98-4S	115.81	116.59	107.245	107.13	107.785	108.7	106.26	106.725	Dry Well	109.02	105.35	108.66	107.61	108.57

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	2005-09-22	2005-09-25	2006-05-15	2006-09-21	2007-05-06	2007-09-12	2008-05-23	2008-09-26	2009-05-21	2009-09-10	2010-05-03	2010-05-05	2010-08-27	2011-05-03	2011-08-31	2012-05-17
98-1D	108.10	108.19	NM	105.81	105.885	NM	105.83	105.25	105.92	105.89	100.31	105.13	105.84	NM	105.2	106.45	105.29	106.01
98-1M	108.10	108.37	NM	105.77	105.87	NM	105.67	104.76	105.91	105.86	100.44	105.12	105.85	NM	105.19	106.45	105.35	106.00
98-1S	108.10	108.45	NM	105.61	105.74	NM	105.61	104.72	105.79	105.74	100.45	105.19	105.79	NM	105.25	106.29	105.3	105.94
98-2D	112.95	113.76	NM	104.35	104.75	104.7	104.69	104.01	98.47	105.725	105.97	104.5	105.73	NM	104.58	106.36	105.12	105.91
98-2M	112.95	113.82	NM	NM	105.71	104.77	105.73	104.96	105.74	105.7	105.98	105	105.69	NM	105.13	106.39	105.11	105.83
98-2S	112.95	113.82	NM	NM	106.27	104.78	106.24	105.43	106.33	106.3	106.48	105.01	106.19	NM	105.16	108.64	105.14	106.62
98-3D	111.92	112.73	105.49	NM	105.31	104.245	105.27	Blocked	105.35	105.3	105.92	104.32	105.23	NM	104.41	106.58	104.81	105.75
98-3M	111.92	112.74	105.373	NM	105.083	104.133	105.053	104.388	105.153	105.083	105.713	104.193	105	NM	104.25	106.74	104.63	105.58
98-3S	111.92	112.80	105.26	NM	104.895	103.98	104.87	104.01	105.015	104.97	105.61	104.13	104.81	NM	104.24	107.02	104.5	105.47
98-4D	115.81	116.66	105.794	NM	105.999	104.769	105.959	105.149	106.059	105.999	106.479	104.989	106.41	NM	105.08	106.98	105.29	107.26
98-4M	115.81	116.57	106.241	NM	106.521	104.791	106.461	105.261	106.601	106.551	107.391	104.841	106.37	NM	104.93	108.01	105.3	107.00
98-4S	115.81	116.59	106.68	NM	106.92	Dry Well	106.93	105.88	107.01	106.95	108.08	105.11	106.78	NM	105.2	108.85	105.4	107.70

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	2012-08-18	2013-05-17	2013-09-03	2014-05-20	2014-09-01	2015-05-24	2015-09-14	2016-05-19	2016-08-26	2017-05-25	2017-08-26	2018-05-18	2018-09-06	2019-05-31	2019-09-17	2020-05-15
98-1D	108.10	108.19	105.17	106.04	105.29	106.17	105.89	106.21	106.1	106.16	104.66	104.67	104.63	105.15	103.80	105.08	103.79	105.53
98-1M	108.10	108.37	105.18	106.03	105.37	106.14	105.91	106.17	106.05	106.07	104.95	104.93	104.91	105.48	104.11	105.39	104.13	105.80
98-1S	108.10	108.45	105.17	106.01	105.34	106.07	105.86	106.11	105.99	106.04	Dry Well	Dry Well	Dry Well	Dry Well	Dry Well	Dry Well	Dry Well	Dry Well
98-2D	112.95	113.76	105.00	105.96	105.17	106.04	106.52	106.06	105.98	105.99	104.43	104.39	104.37	105.54	103.73	105.46	104.85	105.87
98-2M	112.95	113.82	105.07	105.86	105.18	105.98	105.72	106.03	105.89	105.99	104.41	104.40	104.39	105.43	103.66	105.36	104.69	105.86
98-2S	112.95	113.82	105.01	106.68	105.2	107.18	105.89	107.24	107.04	107.16	104.42	104.48	104.46	105.47	103.69	105.41	104.70	103.90
98-3D	111.92	112.73	104.71	105.81	104.85	105.93	105.74	105.99	105.89	105.92	103.66	103.60	103.61	105.11	103.42	105.04	103.93	105.85
98-3M	111.92	112.74	104.54	105.6	104.69	105.92	105.54	105.97	105.86	105.853	103.613	103.60	103.56	104.94	103.31	104.85	101.86	105.77
98-3S	111.92	112.80	104.39	105.51	104.55	105.94	105.42	105.97	105.85	105.89	103.47	103.53	103.51	104.69	103.20	103.89	101.73	104.71
98-4D	115.81	116.66	105.16	107.3	105.33	106.49	107.22	106.54	106.46	106.49	104.34	104.36	104.29	105.06	103.43	105.00	103.95	106.42
98-4M	115.81	116.57	105.17	107.02	105.35	107.37	106.95	107.36	107.32	107.29	104.15	104.26	104.18	104.96	103.32	104.90	103.83	106.36
98-4S	115.81	116.59	105.35	107.75	105.45	108.24	107.63	108.28	108.18	108.19	Dry Well	Dry Well	Dry Well	Dry Well	Dry Well	108.48	107.19	108.90

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	2020-09-11	2021-06-23	2021-09-14
98-1D	108.10	108.19	103.77	105.20	104.81
98-1M	108.10	108.37	104.16	105.17	104.82
98-1S	108.10	108.45	Dry Well	105.23	104.85
98-2D	112.95	113.76	104.88	104.94	104.60
98-2M	112.95	113.82	104.71	104.85	104.57
98-2S	112.95	113.82	104.72	104.84	104.57
98-3D	111.92	112.73	103.96	104.39	103.94
98-3M	111.92	112.74	101.94	104.32	103.88
98-3S	111.92	112.80	101.84	104.36	103.70
98-4D	115.81	116.66	104.00	104.96	104.40
98-4M	115.81	116.57	103.91	104.85	104.48
98-4S	115.81	116.59	107.22	105.15	Dry Well

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	1994-04-19	1994-05-10	1994-09-14	1994-12-01	1995-04-17	1995-09-12	1995-11-20	1996-05-01	1996-09-23	1997-05-01	1997-09-19	1998-05-04	1998-07-27	1998-08-25	1998-09-14	1999-03-02
98-5D	107.97	108.63	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	104.58	104.03	104.112	104.552
98-5M	107.97	108.65	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	104.398	103.938	103.97	104.3
98-5S	107.97	108.70	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	104.67	104.2	103.855	104.715
98-6D	108.59	109.13	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	106.68	106.37	105.64	106.25
98-6M	108.59	109.20	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	106.31	106.09	106	106.45
98-6S	108.59	109.23	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.89	105.82	106.398	106.948
98-7D	110.50	111.08	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.58	105.15	105.191	105.841
98-7M	110.50	111.14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.686	105.256	105.27	105.82
98-7S	110.50	111.20	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.755	105.39	105.28	105.83
98-8D	103.32	103.66	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	102.89	102.88	103.362	Frozen
98-8M	103.32	103.72	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	93.231	98.121	100.74	Frozen
98-8S	103.32	103.79	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	103.355	103.29	103.017	Frozen
98-9D	106.55	107.07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	103.207	103.107	103.2	97.52
98-9M	106.55	107.14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	103.354	103.224	103.19	97.52
98-9S	106.55	107.19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	103.479	103.379	103.18	97.5
99-10D	106.90	107.40	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-10M	NM	107.44	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-10S	106.95	107.45	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-11D	88.61	89.11	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-11M	NM	89.16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-11S	NM	89.22	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-1D	112.30	113.02	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	109.02
99-1M	112.30	113.04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	108.85
99-1S	112.30	113.05	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	108.81
99-2D	107.03	107.80	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.34
99-2S	107.03	107.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	105.51
99-3D	115.54	116.09	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-3M	115.54	116.13	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-3S	115.54	116.19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-4D	110.15	110.68	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-4M	110.15	110.70	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-4S	110.15	110.76	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-5D	107.07	107.57	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-5M	107.07	107.65	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-5S	107.07	107.66	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-6D	107.71	108.02	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-6M	107.71	108.07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-6S	107.71	108.19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-7D	106.55	107.05	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-7M	NM	107.11	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-7S	106.66	107.16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-8D	99.02	99.52	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-8M	NM	99.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-8S	99.08	99.58	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-9D	104.81	105.31	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-9M	NM	105.36	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-9S	104.92	105.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B-1D	104.65	105.50	NM	104.37	105.16	103.4	104.49	102.63	104.73	105.05	101.93	103.83	101.74	101.86	NM	NM	101.8	NM
B-1S	104.65	105.50	NM	102	101.75	101.87	103.55	101.74	103.55	103.89	104.22	104.24	103.065	103.44	NM	NM	103.67	NM
B-2D	105.67	106.62	NM	104.27	102.75	103.36	104.46	102.71	104.67	105.04	103.33	104.45	103.11	103.99	NM	NM	103.59	NM
B-2M	105.67	106.62	NM	104.27	102.78	103.36	104.46	102.1	104.68	105.04	104.13	105.025	103.1	104.37	NM	NM	103.59	NM
B-2S	105.67	106.62	NM	NM	103.36	103.6	104	103.27	104.15	104.4	103.12	105.01	103.495	104.35	NM	NM	103.69	NM
B-3D	107.14	108.39	NM	107.33	106.41	106.44	107.38	106.31	107.46	107.7	105.41	105.75	106.65	106.57	NM	NM	107.05	NM
B-3M	107.14	108.39	NM	107.32	106.38	106.41	107.38	106.31	107.42	107.69	107	106.93	106.63	106.65	NM	NM	107.04	NM
B-4D	111.63	112.86	NM	NM	106.7	107.47	109.26	106.51	109.72	110.13	109.19	109.94	106.98	109.7	NM	NM	107.62	NM
B-4S	111.63	112.86	NM	NM	108.47	109.05	109.84	108.29	109.86	110.04	108.11	109.98	108.47	109.06	NM	NM	109.32	NM
MW-1D	121.96	122.89	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1M	121.96	122.89	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	116.62
MW-1S	121.96	119.65	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	116.41
MW-2D	121.45	122.26	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	113.64

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	1999-03-13	1999-04-22	1999-09-15	2000-05-19	2000-09-16	2001-05-07	2001-09-07	2002-05-05	2002-09-13	2004-04-06	2004-09-21	2005-05-14
98-5D	107.97	108.63	104.585	104.66	103.67	105.98	104.81	104.53	102.8	106.03	99.73	106	105.21	105.82
98-5M	107.97	108.65	104.333	104.448	103.583	105.758	104.008	104.793	102.743	105.698	99.758	105.678	105.138	105.608
98-5S	107.97	108.70	104.62	104.76	103.388	105.65	104.36	104.635	102.71	105.76	99.72	105.86	104.99	105.8
98-6D	108.59	109.13	106.37	106.28	105.309	106.63	106.1	106.35	105.955	106.665	105.51	106.74	105.14	106.69
98-6M	108.59	109.20	106.56	106.49	105.636	106.77	106.31	106.64	106.26	106.8	105.9	106.76	105.06	106.71
98-6S	108.59	109.23	107.09	107.035	106.01	107.29	106.7	107.08	106.6	107.335	106.28	107.42	105.97	107.34
98-7D	110.50	111.08	105.93	106.055	104.622	106.29	105.52	105.755	105.445	106.44	104.65	106.53	106.11	106.39
98-7M	110.50	111.14	105.946	105.886	104.672	106.216	105.416	105.806	105.346	106.446	104.746	106.446	106.196	106.336
98-7S	110.50	111.20	105.88	105.9	104.684	106.2	105.42	105.85	105.38	106.46	104.76	106.46	106.21	106.37
98-8D	103.32	103.66	Frozen	103.66	102.861	NM	103.63	102.92	102.43	Flowing	103.32	Flowing	Flowing	103.61
98-8M	103.32	103.72	Frozen	103.721	102.592	NM	102.411	103.661	102.601	Flowing	102.411	103.721	103.611	103.621
98-8S	103.32	103.79	Frozen	103.23	102.522	NM	103.46	103.69	102.025	103.46	103.13	103.67	103.57	103.58
98-9D	106.55	107.07	103.45	103.42	102.722	104.83	103.38	103.32	102.275	103.67	102.34	103.94	103.51	103.87
98-9M	106.55	107.14	103.454	103.424	102.707	103.844	103.394	103.294	102.259	103.644	102.264	103.884	103.514	103.804
98-9S	106.55	107.19	103.47	103.41	102.67	103.805	103.36	103.295	102.21	103.63	102.27	103.87	103.48	103.8
99-10D	106.90	107.40	NM	NM	NM	NM	NM	NM	NM	105.07	103.99	105.4	103.2	103.15
99-10M	NM	107.44	NM	NM	NM	NM	NM	NM	NM	105.46	104.39	105.81	104.06	103.4
99-10S	106.95	107.45	NM	NM	NM	NM	NM	NM	NM	105.95	104.81	106.25	104.42	103.65
99-11D	88.61	89.11	NM	NM	NM	NM	NM	NM	NM	88.95	87.43	88.93	88.78	88.7
99-11M	NM	89.16	NM	NM	NM	NM	NM	NM	NM	88.9	87.42	88.955	88.76	88.8
99-11S	NM	89.22	NM	NM	NM	NM	NM	NM	NM	88.96	87.44	88.93	88.76	88.75
99-1D	112.30	113.02	108.92	108.755	106.167	109.18	107.9	108.66	106.48	109.19	106.86	109.18	106.68	109.12
99-1M	112.30	113.04	109	108.85	106.155	109.225	107.92	108.71	107.67	109.25	106.6	109.24	108.02	109.16
99-1S	112.30	113.05	109.065	109.91	106.21	109.29	107.95	108.72	107.99	109.31	106.55	109.39	108.95	109.34
99-2D	107.03	107.80	105.98	105.79	105.257	105.87	106.688	106.22	105.175	105.905	103.78	106.185	105	106.11
99-2S	107.03	107.86	99.46	105.9	105.426	106.02	106.775	106.37	105.29	106.06	103.94	106.17	104.98	106.12
99-3D	115.54	116.09	NM	Unknown	104.141	105.915	105.1	105.29	103.9	106.12	104.39	106.27	Dry Well	106.09
99-3M	115.54	116.13	NM	Unknown	106.138	108.63	107.13	108.51	106.25	109.27	106.75	109.21	107.75	109.11
99-3S	115.54	116.19	NM	Unknown	Dry Well	109.43	Dry Well	109.48	Dry Well	110.35	109.16	110.05	106.16	110.01
99-4D	110.15	110.68	NM	Unknown	93.917	99.335	95.05	99.57	97.3	100.11	98.62	100.18	99.81	99.96
99-4M	110.15	110.70	NM	Unknown	101.4	104.58	103	102.65	100.095	104.53	100.34	105.07	102.18	105
99-4S	110.15	110.76	NM	Unknown	Dry Well	104.67	103	102.715	Dry Well	104.59	102.98	105.11	103.57	105.03
99-5D	107.07	107.57	NM	Unknown	101.722	101.8	102.44	103.86	101.49	102.74	101.52	102.74	102.52	102.635
99-5M	107.07	107.65	NM	Unknown	100.481	101.18	100.65	100.65	100.025	100.87	99.93	101.05	100.69	100.95
99-5S	107.07	107.66	NM	Unknown	100.574	101.71	101.52	101.76	101.18	102.36	101.3	102.48	102.03	102.44
99-6D	107.71	108.02	NM	Unknown	Dry Well	Flowing	97.22	102.13	94.42	96.34	95.44	106.87	106.01	106.83
99-6M	107.71	108.07	NM	Unknown	105.025	Flowing	106.23	106.73	105.195	106.87	105.2	106.99	106.86	106.945
99-6S	107.71	108.19	NM	Unknown	104.87	107.99	106.22	106.625	105.21	106.79	105.21	106.93	106.84	106.87
99-7D	106.55	107.05	NM	NM	NM	NM	NM	NM	NM	104.58	103.17	105.35	104.87	104.6
99-7M	NM	107.11	NM	NM	NM	NM	NM	NM	NM	104.81	103.6	104.26	103.07	104.96
99-7S	106.66	107.16	NM	NM	NM	NM	NM	NM	NM	105.87	104.68	106.13	105.26	104.48
99-8D	99.02	99.52	NM	NM	NM	NM	NM	NM	NM	98.45	97.35	98.7	98.3	97.88
99-8M	NM	99.56	NM	NM	NM	NM	NM	NM	NM	Flowing	98.38	Blocked	Blocked	Flowing
99-8S	99.08	99.58	NM	NM	NM	NM	NM	NM	NM	98.56	97.45	98.68	98.19	97.9
99-9D	104.81	105.31	NM	NM	NM	NM	NM	NM	NM	104.48	103.42	104.59	103.7	103.4
99-9M	NM	105.36	NM	NM	NM	NM	NM	NM	NM	104.55	103.5	104.75	103.93	103.36
99-9S	104.92	105.42	NM	NM	NM	NM	NM	NM	NM	104.54	103.5	104.7	103.75	103.3
B-1D	104.65	105.50	103.955	101.96	102.91	NM	104.09	NM	103.63	105.24	102.73	101.2	100.68	101.09
B-1S	104.65	105.50	Frozen	104.78	101.61	NM	101.87	NM	104.145	104.24	102	101.92	101.44	101.81
B-2D	105.67	106.62	104.565	104.58	103.47	NM	104	103.98	103.87	105.24	102.83	103.6	103.37	103.24
B-2M	105.67	106.62	104.855	104.6	103.47	NM	103.95	104.415	104.26	105.25	103.01	103.185	102.96	103.07
B-2S	105.67	106.62	104.85	104.09	NM	NM	103.75	104.41	NM	104.71	103.44	99.98	99.61	99.81
B-3D	107.14	108.39	105.61	107.04	106.39	NM	NM	105.38	105.12	108.04	105.22	106.6	105.4	106.51
B-3M	107.14	108.39	Frozen	107.07	106.65	NM	NM	107.55	107.22	NM	104.67	106.55	105.18	106.48
B-4D	111.63	112.86	109.835	109.5	NM	NM	108.25	109.745	NM	110.49	109.04	109.42	108.68	109.26
B-4S	111.63	112.86	109.89	109.8	NM	NM	109.53	109.05	NM	109.98	107.89	107.97	106.65	107.81
MW-1D	121.96	122.89	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1M	121.96	122.89	117.18	116.64	112.72	120.235	114.73	116.19	109.42	117.46	112.93	117.69	116.71	117.65
MW-1S	121.96	119.65	116.435	116.4	115.25	117.19	116.37	116.34	116.31	116.73	115.23	116.45	116.42	116.34
MW-2D	121.45	122.26	114.3	113.68	108.16	114.09	110.71	112.82	107.74	114.57	109.65	114.56	113.85	112.86

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	2005-09-22	2005-09-25	2006-05-15	2006-09-21	2007-05-06	2007-09-12	2008-05-23	2008-09-26	2009-05-21	2009-09-10	2010-05-03	2010-05-05	2010-08-27	2011-05-03	2011-08-31	2012-05-17
98-5D	107.97	108.63	104.62	NM	104.43	103.68	104.32	103.27	104.57	104.525	105.12	103.78	104.43	NM	104	105.97	104.14	104.87
98-5M	107.97	108.65	104.438	NM	104.278	103.598	104.238	103.218	104.368	104.298	104.718	103.518	104.27	NM	103.61	105.58	104.02	104.60
98-5S	107.97	108.70	104.16	NM	104.39	103.3	104.28	103.28	104.45	104.37	104.81	103.38	104.31	NM	103.43	105.79	103.77	104.72
98-6D	108.59	109.13	NM	105.04	106.405	NM	106.32	105.73	106.47	106.43	106.69	105.48	106.39	NM	105.63	106.74	105.15	NM
98-6M	108.59	109.20	NM	104.89	106.51	NM	106.43	105.89	106.56	106.51	106.7	105.48	106.5	NM	105.58	106.75	105.14	NM
98-6S	108.59	109.23	NM	105.61	107.27	NM	107.12	105.35	107.32	107.22	107.27	106.13	107.25	NM	106.23	106.61	105.1	NM
98-7D	110.50	111.08	NM	106.06	106.11	105.08	106.08	105.06	106.16	106.06	106.18	105.32	106.06	NM	105.41	106.6	105.46	NM
98-7M	110.50	111.14	NM	106.136	106.081	105.056	106.066	105.046	106.136	106.076	106.186	105.366	106.05	NM	105.45	106.62	105.49	NM
98-7S	110.50	111.20	NM	106.13	106.095	105.08	106.08	105.07	106.17	106.105	106.18	105.37	106.07	NM	105.47	106.64	105.5	NM
98-8D	103.32	103.66	103.645	NM	103.65	103.41	103.63	103.48	Blocked	NM	NM	NM	NM	NM	NM	103.66	NM	NM
98-8M	103.32	103.72	98.661	NM	103.701	96.961	103.661	103.451	103.681	NM	103.671	NM	103.72	NM	NM	103.72	NM	103.72
98-8S	103.32	103.79	103.22	NM	103.09	102.84	102.99	102.78	103.16	NM	103.45	NM	103.18	NM	No value	103.69	NM	103.37
98-9D	106.55	107.07	103.42	NM	103.355	103.01	103.33	102.46	103.41	103.34	103.49	102.92	103.3	NM	102.98	103.71	103.27	101.49
98-9M	106.55	107.14	103.499	NM	103.354	103.104	103.314	102.334	103.434	103.374	103.484	103.034	101.44	NM	103.12	103.72	103.27	102.48
98-9S	106.55	107.19	103.39	NM	103.4	102.98	103.24	102.29	103.395	103.31	103.46	102.86	101.34	NM	102.93	103.67	103.23	103.46
99-10D	106.90	107.40	100.92	NM	102.665	99.63	102.6	101.74	103.31	102.63	103.66	99.75	102.34	NM	99.86	105.11	100.38	103.45
99-10M	NM	107.44	101.005	NM	102.88	99.64	102.83	101.95	102.93	102.85	104.07	99.77	102.56	NM	99.86	105.67	100.45	104.86
99-10S	106.95	107.45	101.05	NM	103.08	99.57	103.05	102.22	103.13	103.055	104.51	99.81	102.73	NM	100.08	106.3	100.47	104.24
99-11D	88.61	89.11	88.11	NM	88.69	87.79	88.6	88.05	88.725	88.63	88.48	87.66	88.65	NM	87.8	88.94	87.97	88.71
99-11M	NM	89.16	88.12	NM	88.67	87.82	88.63	88.07	88.725	88.62	88.77	87.69	88.68	NM	87.77	88.96	87.98	88.69
99-11S	NM	89.22	Blocked	NM	NM	NM	88.62	88.05	88.82	88.76	88.77	87.68	88.68	NM	87.8	88.96	87.98	88.71
99-1D	112.30	113.02	107.58	NM	108.61	106.55	108.52	107.55	108.66	108.61	108.86	107.21	108.62	NM	107.32	109.24	107.46	108.90
99-1M	112.30	113.04	107.63	NM	108.67	106.58	108.63	107.66	108.715	108.65	108.94	107.21	108.72	NM	107.34	109.33	107.48	108.97
99-1S	112.30	113.05	107.67	NM	NM	106.61	100.35	99.64	108.54	108.455	108.99	107.2	108.75	NM	107.31	109.41	107.48	109.03
99-2D	107.03	107.80	NM	104.9	93.92	NM	93.84	92.79	94	93.96	105.04	93.85	93.88	NM	93.97	NM	NM	94.35
99-2S	107.03	107.86	NM	104.9	105.94	NM	105.82	104.85	106	105.95	105.02	105.87	105.91	NM	106.09	NM	NM	106.33
99-3D	115.54	116.09	105.66	NM	106.05	105.11	105.98	104.81	106.09	105.99	106.32	105.46	NM	106.07	105.56	106.61	105.41	106.19
99-3M	115.54	116.13	107.33	NM	108.89	107.06	108.82	108.2	108.95	108.9	109.13	107.28	NM	108.63	107.36	109.49	107.09	108.82
99-3S	115.54	116.19	Dry Well	NM	Dry Well	Dry Well	109.12	Dry Well	Dry Well	NM	109.34	NM	Dry Well	Dry Well	Dry Well	109.62	NM	Dry Well
99-4D	110.15	110.68	99.88	NM	99.62	99.65	99.38	98.24	99.69	99.63	100.25	99.12	NM	99.66	99.29	100.13	99.56	99.98
99-4M	110.15	110.70	103.655	NM	103.415	101.63	103.34	102.705	103.49	103.4	104.09	102.22	NM	103.29	102.4	104.88	102.97	104.04
99-4S	110.15	110.76	103.74	NM	103.46	Dry Well	103.43	Dry Well	103.54	103.44	104.14	NM	NM	103.35	Dry	104.94	103.02	104.10
99-5D	107.07	107.57	102.42	NM	102.43	102.12	102.4	101.28	102.475	102.45	102.58	101.97	NM	102.47	102.13	102.72	102.19	102.55
99-5M	107.07	107.65	100.65	NM	100.74	100.6	100.63	99.64	100.78	100.72	100.85	100.49	NM	100.8	100.63	100.99	100.65	100.89
99-5S	107.07	107.66	102	NM	101.66	101.25	101.59	100.515	101.72	101.66	101.97	101.58	NM	102.38	101.66	102.14	101.9	100.05
99-6D	107.71	108.02	NM	105.88	96.83	93.94	96.71	95.41	96.89	96.84	92.8	89.97	91.29	NM	90.06	90.18	86.91	88.09
99-6M	107.71	108.07	NM	106.78	106.7	105.17	106.65	105.26	106.75	106.68	106.75	105.54	106.62	NM	105.65	107.03	105.65	106.73
99-6S	107.71	108.19	NM	106.8	106.69	105.16	106.58	105.19	106.76	106.71	106.68	105.56	106.59	NM	105.66	106.98	105.66	106.66
99-7D	106.55	107.05	101.01	NM	103.75	99.32	103.66	102.79	103.79	103.74	104.95	99.87	103.17	NM	99.97	105.58	100.49	104.25
99-7M	NM	107.11	100.51	NM	104.24	99.34	104.11	103.08	104.285	104.22	104.77	100.08	103.76	NM	100.16	105.1	100.76	103.14
99-7S	106.66	107.16	101.35	NM	103.865	99.32	103.82	102.91	103.92	103.9	104.92	99.72	104.49	NM	99.84	106.08	100.4	104.68
99-8D	99.02	99.52	NM	NM	97.97	94.06	97.9	97.2	98.01	97.94	98.27	97.12	97.46	NM	97.21	99.52	97.72	NM
99-8M	NM	99.56	NM	NM	Flowing	Blocked	Blocked	Blocked	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
99-8S	99.08	99.58	NM	NM	97.725	93.7	97.67	97.07	97.77	97.7	98.05	93.82	97.5	NM	93.91	99.58	94.29	NM
99-9D	104.81	105.31	103.38	NM	103.44	102.87	103.365	102.6	103.47	103.42	103.79	102.01	103.5	NM	102.12	104.48	102.57	103.75
99-9M	NM	105.36	102.1	NM	103.19	101.37	103.12	102.3	103.24	103.19	103.68	100.8	103.05	NM	101.22	104.59	101.17	103.52
99-9S	104.92	105.42	102.07	NM	103.19	101.34	103.11	102.58	103.22	103.19	103.68	100.8	103.08	NM	100.93	104.63	101.27	103.57
B-1D	104.65	105.50	103.93	NM	103.99	NM	103.89	103.36	104.03	103.92	105	101.83	103.97	NM	101.91	104.09	102.97	104.29
B-1S	104.65	105.50	101.79	NM	103.67	NM	103.59	103.12	103.71	103.63	101.75	102.38	103.66	NM	102.45	105.2	104.21	104.00
B-2D	105.67	106.62	NM	103.3	104.61	NM	104.53	103.93	104.75	104.69	104.79	103.65	104.67	NM	103.7	NM	NM	104.93
B-2M	105.67	106.62	NM	102.83	104.62	NM	104.55	103.95	104.74	104.64	104.71	103.63	104.69	NM	103.7	NM	NM	104.94
B-2S	105.67	106.62	NM	99.48	104.12	NM	104.09	103.71	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B-3D	107.14	108.39	107.36	NM	106.97	NM	106.93	106.51	107.01	106.91	105.39	106.66	106.87	NM	106.69	NM	NM	107.24
B-3M	107.14	108.39	107.375	NM	106.98	NM	96.99	106.57	107.03	106.95	108.34	106.55	106.87	NM	106.69	NM	NM	107.21
B-4D	111.63	112.86	108.01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B-4S	111.63	112.86	109.28	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1D	121.96	122.89	NM	NM	NM	NM	NM	NM	Flowing	121.42	112.37	108.74	111.36	NM	108.84	113.61	109.1	112.52
MW-1M	121.96	122.89	114.98	NM	116.3	113.11	116.28	115.09	116.34	116.27	116.74	114.14	116.19	NM	114.19	117.53	114.38	116.84
MW-1S	121.96	119.65	116.17	NM	116.36	115.34	116.34	115.64	116.41	116.34	116.4	115.68	118.41	NM	115.77	116.72	115.69	116.39
MW-2D	121.45	122.26	111.07	NM	112.99	108.89	112.95	112.09	113.05	112.95	113.56	110.28	112.86	NM	110.38	114.49	120.1	113.32

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	2012-08-18	2013-05-17	2013-09-03	2014-05-20	2014-09-01	2015-05-24	2015-09-14	2016-05-19	2016-08-26	2017-05-25	2017-08-26	2018-05-18	2018-09-06	2019-05-31	2019-09-17	2020-05-15
98-5D	107.97	108.63	103.05	104.93	104.18	105.23	104.71	105.26	105.2	105.19	102.97	102.99	102.94	104.37	101.99	104.27	102.42	105.06
98-5M	107.97	108.65	102.95	104.65	104.04	104.95	104.53	105.03	104.88	104.97	102.89	102.88	102.84	104.12	101.76	104.06	102.25	105.01
98-5S	107.97	108.70	103.66	104.82	103.8	105.23	104.66	105.28	105.16	105.17	103.21	103.22	103.20	104.19	102.10	104.18	102.32	105.10
98-6D	108.59	109.13	NM	105.35	105.18	NM	NM	NM	NM	NM	NM	NM	Dry Well	104.15	NM	104.14	103.02	104.89
98-6M	108.59	109.20	NM	105.32	105.16	NM	NM	NM	105.05	105.07	103.185	103.21	103.16	104.23	103.54	104.22	103.11	104.93
98-6S	108.59	109.23	NM	105.23	105.15	NM	105.05	105.54	104.99	105.35	103.17	103.26	103.22	104.22	103.51	104.19	103.46	104.43
98-7D	110.50	111.08	NM	105.57	105.48	NM	105.38	105.87	105.3	105.78	NM	105.71	105.70	106.61	105.69	106.55	105.47	107.12
98-7M	110.50	111.14	NM	105.61	105.52	NM	NM	NM	NM	NM	NM	NM	NM	106.63	NM	106.54	105.44	107.10
98-7S	110.50	111.20	NM	105.64	105.52	NM	105.31	105.83	105.24	105.695	NM	105.81	105.73	106.60	105.69	106.56	105.39	107.11
98-8D	103.32	103.66	NM	103.65	103.63	103.66	NM	NM	NM	NM	102.95	NM	NM	NM	NM	NM	NM	NM
98-8M	103.32	103.72	103.40	103.64	103.6	103.72	NM	NM	NM	103.4	100.62	103.42	103.06	103.41	102.23	102.90	102.01	102.65
98-8S	103.32	103.79	103.11	103.41	103.43	103.79	NM	NM	NM	103.39	102.31	103.39	102.91	103.57	102.39	103.09	102.15	102.90
98-9D	106.55	107.07	103.16	101.52	103.31	103.64	101.41	103.69	103.6	103.62	102.58	102.56	102.53	103.39	102.57	103.24	102.17	103.86
98-9M	106.55	107.14	103.14	102.52	103.31	103.62	102.44	103.65	103.54	103.574	102.554	102.54	102.48	103.34	102.59	103.28	102.26	103.87
98-9S	106.55	107.19	103.04	103.51	103.27	103.59	103.44	103.64	103.48	103.57	102.33	102.71	102.60	103.34	102.59	103.29	102.26	103.88
99-10D	106.90	107.40	100.26	100.56	100.44	104.61	100.36	104.7	104.57	104.62	99.16	99.17	99.13	99.96	99.01	100.01	98.90	101.96
99-10M	NM	107.44	100.32	100.59	100.49	105.17	100.38	105.19	105.12	105.12	99.20	99.22	99.16	100.01	99.07	100.06	98.96	102.30
99-10S	106.95	107.45	100.35	100.58	100.5	105.66	100.35	105.7	105.59	105.61	99.20	99.24	99.16	100.03	99.09	100.09	99.13	102.63
99-11D	88.61	89.11	87.85	88.04	88	88.88	87.87	88.91	88.77	88.8	87.06	87.07	87.04	87.47	86.10	87.45	86.27	87.83
99-11M	NM	89.16	87.85	88.16	88	88.85	87.86	88.86	88.75	88.73	87.07	87.10	87.05	87.50	86.12	87.48	86.36	87.86
99-11S	NM	89.22	87.82	88.21	88.01	88.83	87.93	88.8	88.72	88.61	87.07	87.14	87.09	87.53	86.17	87.52	86.32	87.88
99-1D	112.30	113.02	107.38	107.59	107.52	109.02	107.38	108.96	108.97	108.89	106.78	106.70	106.74	107.56	106.64	107.71	107.05	108.73
99-1M	112.30	113.04	107.39	107.62	107.55	109.06	107.42	109.04	109.01	108.93	106.65	106.68	106.64	107.35	106.52	107.35	107.01	108.54
99-1S	112.30	113.05	107.36	107.61	107.53	109.17	107.37	109.15	109.05	108.99	106.76	106.85	106.78	107.78	106.84	107.61	107.00	108.67
99-2D	107.03	107.80	94.12	NM	94.77	94.27	93.92	94.25	94.2	94.17	93.76	94.06	93.92	95.03	94.72	95.09	94.40	95.17
99-2S	107.03	107.86	106.00	NM	106.37	106.28	105.82	106.26	106.14	106.14	105.46	105.47	105.40	105.77	104.98	105.67	104.66	105.08
99-3D	115.54	116.09	105.40	106.23	105.29	106.41	106.10	106.37	106.39	106.29	105.21	105.20	105.13	105.99	105.09	105.93	105.26	105.69
99-3M	115.54	116.13	106.92	108.85	107.13	109.31	108.73	109.25	109.17	109.365	107.48	107.53	107.44	108.29	106.82	108.25	107.13	107.51
99-3S	115.54	116.19	Dry Well	Dry Well	Dry Well	109.46	Dry Well	109.4	Dry Well	Dry Well	Dry Well	108.61	108.53	Dry Well	Dry Well	Dry Well	Dry Well	Dry Well
99-4D	110.15	110.68	99.48	100.03	99.58	100.08	99.91	99.98	100.02	99.87	98.87	98.88	98.84	99.65	98.81	99.63	99.16	99.66
99-4M	110.15	110.70	102.82	104.09	103	104.28	103.88	104.22	104.2	104.15	101.15	101.21	101.10	101.93	100.89	101.99	101.40	102.01
99-4S	110.15	110.76	NM	104.16	Dry Well	104.34	Dry Well	104.27	Dry Well	Dry Well	Dry Well	103.07	103.01	Dry Well	Dry Well	102.07	Dry Well	Dry Well
99-5D	107.07	107.57	102.11	102.57	102.18	102.67	102.43	102.63	102.64	102.52	101.62	101.49	101.47	102.15	101.26	102.10	101.58	103.14
99-5M	107.07	107.65	100.57	100.92	100.69	100.93	100.77	100.87	100.85	100.79	100.34	100.26	100.25	101.06	100.25	101.04	100.56	102.06
99-5S	107.07	107.66	101.83	100.12	101.92	101.24	100.00	101.21	101.06	101.13	101.52	101.50	101.47	102.15	101.26	102.13	101.55	102.98
99-6D	107.71	108.02	86.86	86.98	87.12	90.25	89.18	90.26	90.2	90.19	88.88	88.88	88.83	89.77	89.13	89.87	89.22	93.10
99-6M	107.71	108.07	105.57	105.71	105.69	106.84	105.41	106.78	106.77	106.67	103.71	103.69	103.65	104.46	103.69	104.48	103.96	105.30
99-6S	107.71	108.19	105.57	105.72	105.69	106.76	105.50	106.75	106.66	106.665	103.7	103.69	103.61	104.49	103.65	104.53	104.05	105.35
99-7D	106.55	107.05	100.42	100.52	100.55	105.66	100.16	105.67	105.63	105.6	99.25	99.17	99.13	99.83	98.77	99.86	99.04	102.11
99-7M	NM	107.11	100.49	100.94	100.78	104.84	100.63	104.86	104.78	104.78	99.03	99.02	98.97	99.82	98.76	99.87	98.80	102.25
99-7S	106.66	107.16	100.72	100.88	100.44	105.73	100.47	105.7	105.62	105.65	99.19	99.23	99.16	99.79	98.76	99.81	98.76	102.35
99-8D	99.02	99.52	97.59	96.94	97.43	NM	96.61	NM	99.03	Flowing	96.57	96.41	96.38	97.11	95.60	97.13	95.91	99.34
99-8M	NM	99.56	NM	94.45	94.29	NM	94.24	NM	99.03	Flowing	93.06	93.06	93.01	93.79	92.93	93.77	92.72	98.46
99-8S	99.08	99.58	94.24	97.92	98.07	NM	97.35	NM	98.98	99.54	93.27	93.31	93.28	94.04	93.07	94.09	93.37	98.03
99-9D	104.81	105.31	102.51	101.31	102.61	103.97	100.8	103.95	103.93	103.87	101.38	101.15	101.11	101.73	100.81	101.72	100.69	103.32
99-9M	NM	105.36	101.05	101.32	101.22	104.03	100.78	104.01	103.94	103.91	100.16	100.16	100.12	100.76	99.75	100.76	100.17	103.19
99-9S	104.92	105.42	101.12	102.81	101.31	104.1	102.41	104.08	103.98	103.99	100.35	100.35	100.32	100.91	99.89	100.89	100.28	103.38
B-1D	104.65	105.50	102.9	103.06	103.06	104.37	102.94	104.34	104.2	104.29	101.62	101.53	101.51	101.66	100.81	101.58	100.69	101.86
B-1S	104.65	105.50	103.14	104.28	104.28	104.19	104.01	104.15	104.04	104.04	101.39	101.38	101.32	101.50	Dry Well	101.40	100.48	101.77
B-2D	105.67	106.62	104.21	NM	NM	NM	NM	NM	NM	NM	NM	104.47	104.42	104.56	103.42	104.46	103.29	104.53
B-2M	105.67	106.62	104.23	105.69	NM	NM	NM	NM	NM	NM	NM	103.78	103.74	103.82	103.07	103.70	102.72	104.13
B-2S	105.67	106.62	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B-3D	107.14	108.39	107.84	107.9	107.91	NM	NM	NM	NM	NM	NM	105.17	105.09	105.25	104.51	105.20	103.79	105.55
B-3M	107.14	108.39	107.89	107.13	106.99	NM	NM	NM	NM	NM	NM	105.09	105.05	105.28	104.59	105.24	103.84	105.50
B-4D	111.63	112.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B-4S	111.63	112.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1D	121.96	122.89	109.00	109.2	109.15	112.85	108.99	112.69	112.81	112.64	111.59	111.58	111.49	111.12	110.38	110.88	109.45	114.12
MW-1M	121.96	122.89	114.29	114.45	114.4	117.01	114.18	117	117.25	116.95	114.69	114.69	114.61	115.50	114.78	115.23	114.70	117.90
MW-1S	121.96	119.65	115.55	115.77	115.72	116.42	115.64	116.36	116.34	116.27	113.73	113.76	113.64	114.59	113.66	114.26	113.65	115.77
MW-2D	121.45	122.26	110.34	110.57	110.49	113.87	110.25	113.84	113.82	113.8	111.98	111.93	111.85	112.62	111.76	112.38	111.22	115.33

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	2020-09-11	2021-06-23	2021-09-14
98-5D	107.97	108.63	102.45	103.79	102.13
98-5M	107.97	108.65	102.26	103.58	103.25
98-5S	107.97	108.70	102.40	103.51	103.15
98-6D	108.59	109.13	102.98	106.11	105.84
98-6M	108.59	109.20	103.12	106.29	106.08
98-6S	108.59	109.23	103.62	107.03	106.70
98-7D	110.50	111.08	105.44	104.31	104.99
98-7M	110.50	111.14	105.45	106.87	105.06
98-7S	110.50	111.20	105.46	104.58	105.08
98-8D	103.32	103.66	NM	103.21	NM
98-8M	103.32	103.72	101.83	103.30	102.60
98-8S	103.32	103.79	102.09	102.72	102.53
98-9D	106.55	107.07	102.19	102.97	102.65
98-9M	106.55	107.14	105.32	102.82	100.74
98-9S	106.55	107.19	102.40	102.89	102.67
99-10D	106.90	107.40	98.89	100.41	99.62
99-10M	NM	107.44	98.98	100.48	99.65
99-10S	106.95	107.45	99.11	100.50	99.65
99-11D	88.61	89.11	86.23	88.05	87.47
99-11M	NM	89.16	86.34	88.06	87.48
99-11S	NM	89.22	86.36	88.05	87.48
99-1D	112.30	113.02	107.01	108.02	107.13
99-1M	112.30	113.04	107.04	108.03	107.17
99-1S	112.30	113.05	107.03	108.05	107.15
99-2D	107.03	107.80	94.92	105.71	105.54
99-2S	107.03	107.86	104.58	105.86	105.65
99-3D	115.54	116.09	105.29	108.55	108.79
99-3M	115.54	116.13	107.09	110.67	107.13
99-3S	115.54	116.19	Dry Well	Dry Well	Dry Well
99-4D	110.15	110.68	99.24	99.54	98.18
99-4M	110.15	110.70	101.38	101.90	101.43
99-4S	110.15	110.76	Dry Well	Dry Well	Dry Well
99-5D	107.07	107.57	101.60	100.47	101.77
99-5M	107.07	107.65	100.61	100.55	100.39
99-5S	107.07	107.66	101.60	101.71	101.58
99-6D	107.71	108.02	89.25	86.42	86.59
99-6M	107.71	108.07	103.98	105.97	105.46
99-6S	107.71	108.19	104.09	105.94	105.49
99-7D	106.55	107.05	99.00	100.28	99.74
99-7M	NM	107.11	98.82	102.84	100.67
99-7S	106.66	107.16	98.81	100.54	99.59
99-8D	99.02	99.52	95.94	98.34	97.16
99-8M	NM	99.56	92.79	95.35	93.58
99-8S	99.08	99.58	93.38	95.31	93.56
99-9D	104.81	105.31	100.73	102.14	101.76
99-9M	NM	105.36	100.21	100.93	100.32
99-9S	104.92	105.42	100.31	100.99	100.57
B-1D	104.65	105.50	100.59	101.73	103.26
B-1S	104.65	105.50	100.50	101.74	101.74
B-2D	105.67	106.62	103.23	NM	NM
B-2M	105.67	106.62	102.70	NM	NM
B-2S	105.67	106.62	NM	NM	NM
B-3D	107.14	108.39	103.84	NM	NM
B-3M	107.14	108.39	103.95	NM	NM
B-4D	111.63	112.86	NM	NM	NM
B-4S	111.63	112.86	NM	NM	NM
MW-1D	121.96	122.89	109.39	109.79	107.88
MW-1M	121.96	122.89	114.57	114.64	113.47
MW-1S	121.96	119.65	113.55	115.62	115.38
MW-2D	121.45	122.26	111.38	110.87	109.29

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	1994-04-19	1994-05-10	1994-09-14	1994-12-01	1995-04-17	1995-09-12	1995-11-20	1996-05-01	1996-09-23	1997-05-01	1997-09-19	1998-05-04	1998-07-27	1998-08-25	1998-09-14	1999-03-02
MW-2M	121.45	122.28	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	115.28
MW-2S	121.45	121.19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	120.12
MW-3D	121.44	122.27	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	115.3
MW-3M	121.44	122.28	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	115.45
MW-3S	121.44	120.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	118.19
MW-4D	121.71	122.32	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	115.35
MW-4M	121.71	122.32	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	117.62
MW-4S	121.71	119.71	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	117.1

Notes:

NM = not measured

Flowing - Borehole flowing (artesian)

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	1999-03-13	1999-04-22	1999-09-15	2000-05-19	2000-09-16	2001-05-07	2001-09-07	2002-05-05	2002-09-13	2004-04-06	2004-09-21	2005-05-14
MW-2M	121.45	122.28	115.92	115.46	109.04	116.11	112.26	114.85	108.83	114.41	110.86	116.45	115.97	114.76
MW-2S	121.45	121.19	120.16	119.9	118.46	120.22	119.55	119.86	116.75	120.13	118.71	120.16	119.89	119.79
MW-3D	121.44	122.27	115.87	115.41	108.93	116.06	112.18	114.81	109.125	116.39	110.68	116.44	NM	NM
MW-3M	121.44	122.28	115.91	115.45	108.973	116.11	112.215	114.84	109.265	116.43	112.4	116.48	NM	NM
MW-3S	121.44	120.24	118.465	118.07	115.735	118.68	117.93	118.14	117.475	118.76	117.4	118.83	NM	NM
MW-4D	121.71	122.32	115.95	115.5	108.9	116.18	112.29	114.95	108.68	116.47	109.36	116.51	115.82	114.4
MW-4M	121.71	122.32	118	117.53	110.14	118.33	114.61	117.04	109.69	118.39	110.69	118.19	117.61	116.88
MW-4S	121.71	119.71	117.185	116.95	114.005	118.37	116.99	116.73	113.73	117.34	113.65	117.3	117.06	116.8

Notes:

NM = not measured

Flowing - Borehole flowing (artesian)

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	2005-09-22	2005-09-25	2006-05-15	2006-09-21	2007-05-06	2007-09-12	2008-05-23	2008-09-26	2009-05-21	2009-09-10	2010-05-03	2010-05-05	2010-08-27	2011-05-03	2011-08-31	2012-05-17
MW-2M	121.45	122.28	112.62	NM	114.78	109.87	114.66	113.69	114.855	114.78	115.45	111.93	114.79	NM	112	116.3	111.88	115.09
MW-2S	121.45	121.19	119.66	NM	119.84	119.74	119.79	119.05	119.885	119.75	119.94	119.02	119.92	NM	119.11	120.15	109.39	119.98
MW-3D	121.44	122.27	NM	NM	NM	NM	NM	NM	NM	NM	NM	111.95	NM	NM	NM	NM	NM	NM
MW-3M	121.44	122.28	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3S	121.44	120.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4D	121.71	122.32	112.66	NM	114.75	109.73	114.76	113.61	114.8	114.73	115.36	NM	114.8	NM	114.87	116.21	111.85	115.45
MW-4M	121.71	122.32	115.24	NM	116.9	111.03	116.7	115.26	116.96	116.88	117.43	113.31	116.98	NM	113.43	117.94	113.61	117.52
MW-4S	121.71	119.71	117.01	NM	116.82	114.38	116.77	115.67	116.88	116.83	117.04	116.41	116.88	NM	116.51	117.17	116.84	117.08

Notes:

NM = not measured

Flowing - Borehole flowing (artesian)

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	2012-08-18	2013-05-17	2013-09-03	2014-05-20	2014-09-01	2015-05-24	2015-09-14	2016-05-19	2016-08-26	2017-05-25	2017-08-26	2018-05-18	2018-09-06	2019-05-31	2019-09-17	2020-05-15
MW-2M	121.45	122.28	111.78	111.95	111.86	115.65	111.56	115.6	115.58	115.55	113.14	113.14	113.08	113.62	112.80	113.51	112.40	116.44
MW-2S	121.45	121.19	118.79	119.13	119.03	119.97	118.63	119.92	119.87	119.79	117.88	117.83	117.79	118.45	117.53	118.39	117.75	119.29
MW-3D	121.44	122.27	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3M	121.44	122.28	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3S	121.44	120.24	NM	NM	NM	NM	117.85	NM	NM	118.86	NM	NM	NM	NM	NM	NM	NM	NM
MW-4D	121.71	122.32	111.74	111.93	111.86	115.54	111.54	115.51	115.52	115.42	112.51	112.41	112.33	112.74	111.84	112.66	111.65	115.35
MW-4M	121.71	122.32	113.33	113.72	113.64	117.49	113.40	117.47	115.95	117.38	114.54	114.52	114.44	114.76	113.96	114.70	113.52	117.00
MW-4S	121.71	119.71	116.77	116.98	116.87	117.09	116.70	117.05	118.41	116.94	115.88	115.89	115.81	116.42	115.67	116.38	115.70	117.52

Notes:

NM = not measured

Flowing - Borehole flowing (artesian)

Brockville Landfill Site Groundwater Elevations (metres)

Borehole	Surface Elevation	Casing Elevation	2020-09-11	2021-06-23	2021-09-14
MW-2M	121.45	122.28	112.51	112.20	110.32
MW-2S	121.45	121.19	117.73	118.73	118.32
MW-3D	121.44	122.27	NM	NM	NM
MW-3M	121.44	122.28	NM	NM	NM
MW-3S	121.44	120.24	NM	NM	NM
MW-4D	121.71	122.32	111.72	112.33	110.17
MW-4M	121.71	122.32	113.58	113.94	111.62
MW-4S	121.71	119.71	115.71	116.08	115.85

Notes:

NM = not measured

Flowing - Borehole flowing (artesian)

APPENDIX 3
Rising Head Test Data

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
06-Dec-02

WELL INFORMATION

Well ID:	00-1A
Static Depth to Water (m):	1.6
Screen Length (m):	3.4
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

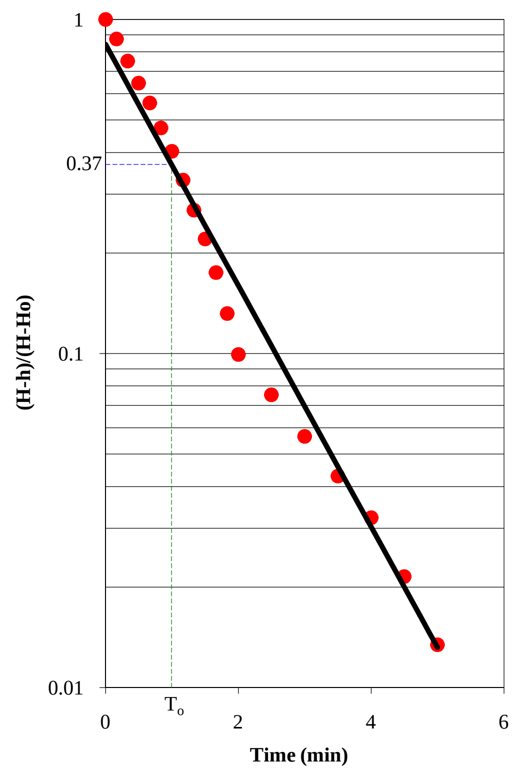
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	5.35
10	4.88
20	4.42
30	4.03
40	3.72
50	3.39
60	3.13
70	2.86
80	2.63
90	2.45
100	2.28
110	2.12
120	2.00
150	1.91
180	1.84
210	1.79
240	1.75
270	1.71
300	1.68
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	3.4	metres
Basic Lag Time (T_o) =	1	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

2.03E-04 m/min
3.39E-06 m/s
2.93E-01 m/day
106.88 m/yr
3.39E-04 cm/s

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May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
06-Dec-02

WELL INFORMATION

Well ID:	00-1B
Static Depth to Water (m):	1.6
Screen Length (m):	4.2
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

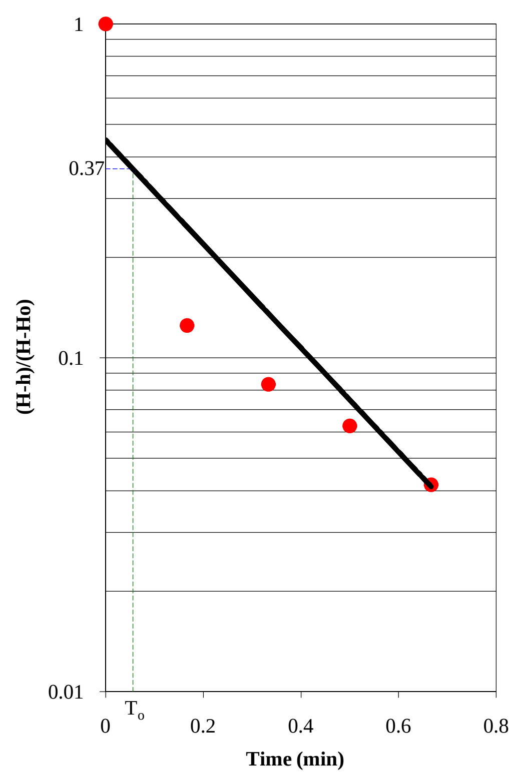
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	1.88
10	1.67
20	1.66
30	1.66
40	1.65
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	4.2	metres
Basic Lag Time (T_o) =	0	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

3.11E-03	m/min
5.18E-05	m/s
#######	m/day
1634.05	m/yr
5.18E-03	cm/s

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
06-Dec-02

WELL INFORMATION

Well ID:	00-1C
Static Depth to Water (m):	2.3
Screen Length (m):	3.8
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

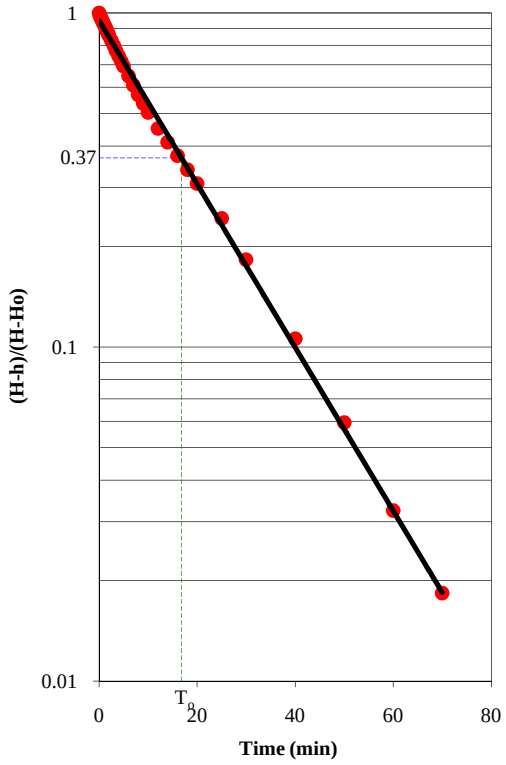
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	6.90
10	6.82
20	6.77
30	6.71
40	6.66
50	6.60
60	6.55
70	6.50
80	6.45
90	6.40
100	6.34
110	6.29
120	6.24
150	6.10
180	5.97
210	5.83
240	5.71
270	5.59
300	5.48
360	5.27
420	5.08
480	4.90
540	4.75
600	4.60
720	4.36
840	4.17
960	4.00
1080	3.84
1200	3.70
1500	3.40
1800	3.12
2400	2.76
3000	2.55
3600	2.42
4200	2.36
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	3.8	metres
Basic Lag Time (T_o) =	17	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

1.11E-05	m/min
1.85E-07	m/s
1.60E-02	m/day
5.82	m/yr
1.85E-05	cm/s

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
06-Dec-02

WELL INFORMATION

Well ID:	00-2A
Static Depth to Water (m):	0.7
Screen Length (m):	5.0
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

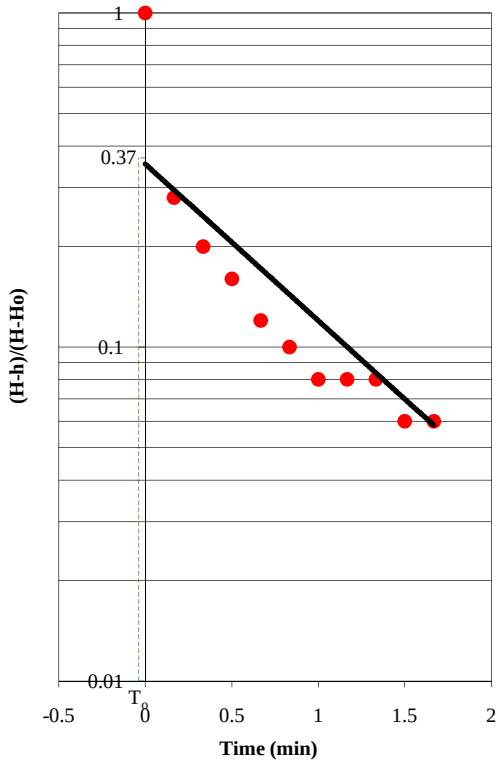
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	0.98
10	0.80
20	0.78
30	0.77
40	0.76
50	0.76
60	0.75
70	0.75
80	0.75
90	0.75
100	0.75
*	*

ANALYTICAL RESULTS



Casing Radius (r) = 0.019 metres
Filter Pack Radius (R) = 0.075 metres
Screen Length (L) = 5 metres

Basic Lag Time (T_o) = 0 minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

-4.03E-03 m/min
-6.72E-05 m/s
######## m/day
-2119.88 m/yr
-6.72E-03 cm/s

NOTE:

Equation is not valid for this monitoring point.

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill

Project Number:
05-1120-703

Site Location:
City of Brockville

Date of Test:
06-Dec-02

WELL INFORMATION

Well ID:	00-2B
Static Depth to Water (m):	0.8
Screen Length (m):	3.4
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)

Reference: Freeze & Cherry, 1979

Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

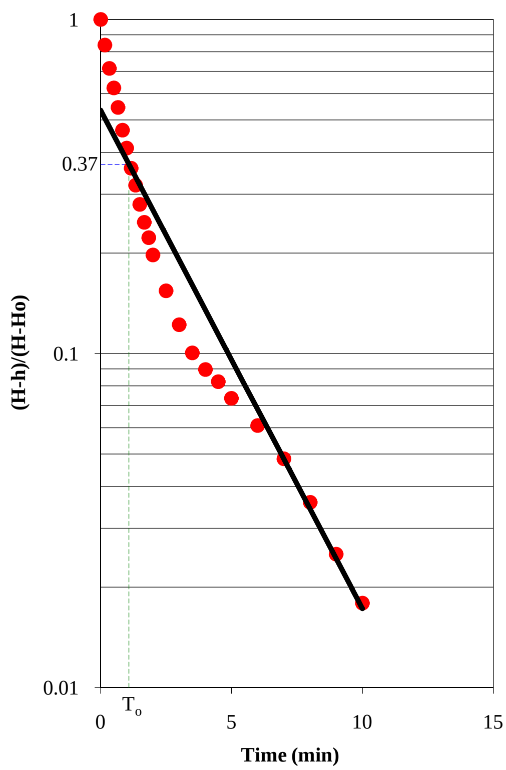
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	3.58
10	3.13
20	2.78
30	2.53
40	2.31
50	2.09
60	1.94
70	1.79
80	1.68
90	1.57
100	1.48
110	1.41
120	1.34
150	1.22
180	1.13
210	1.07
240	1.04
270	1.02
300	1.00
360	0.96
420	0.93
480	0.89
540	0.86
600	0.84
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	3.4	metres
Basic Lag Time (T_o) =	1	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

1.86E-04	m/min
3.11E-06	m/s
2.69E-01	m/day
98.01	m/yr
3.11E-04	cm/s

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
06-Dec-02

WELL INFORMATION

Well ID:	00-2C
Static Depth to Water (m):	0.8
Screen Length (m):	3.8
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

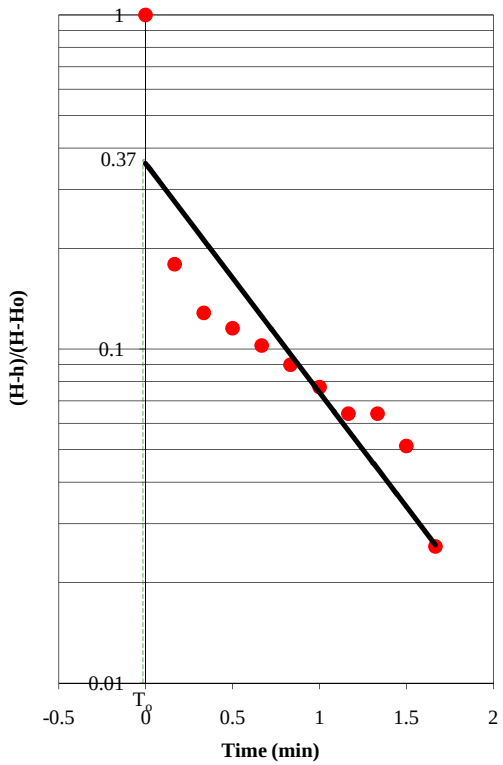
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	1.23
10	0.91
20	0.89
30	0.89
40	0.88
50	0.88
60	0.87
70	0.87
80	0.87
90	0.86
100	0.85
*	*

ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	3.8	metres
Basic Lag Time (T_o) =	0	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

-1.22E-02	m/min
-2.03E-04	m/s
########	m/day
-6394.44	m/yr
-2.03E-02	cm/s

NOTE:

Equation is not valid for this monitoring point.

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
05-Dec-02

WELL INFORMATION

Well ID:	99-7A
Static Depth to Water (m):	5.1
Screen Length (m):	4.2
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

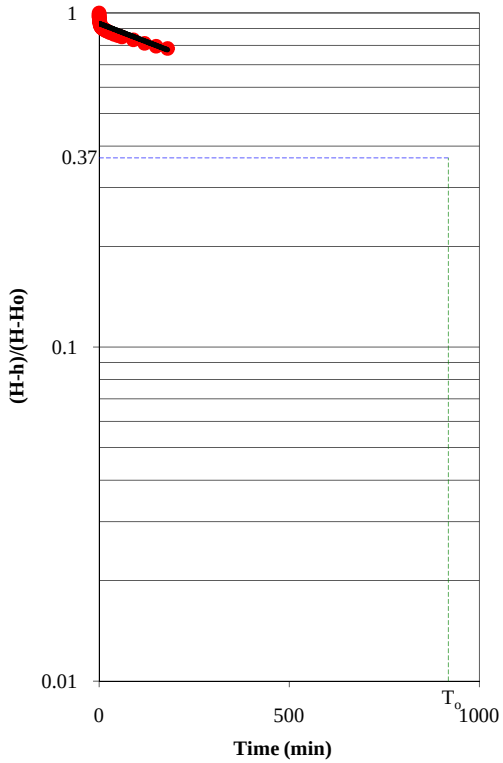
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	7.74
10	7.72
20	7.70
30	7.68
40	7.67
50	7.65
60	7.64
70	7.62
80	7.61
90	7.60
100	7.59
110	7.58
120	7.57
150	7.56
180	7.54
210	7.53
240	7.52
270	7.51
300	7.51
360	7.50
420	7.49
480	7.48
540	7.48
600	7.48
720	7.47
840	7.46
960	7.45
1080	7.44
1200	7.44
1500	7.42
1800	7.41
2400	7.38
3000	7.36
3600	7.34
5400	7.30
7200	7.25
9000	7.21
10800	7.17
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	4.2	metres
Basic Lag Time (T_o) =	919	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

1.88E-07	m/min
3.14E-09	m/s
2.71E-04	m/day
0.10	m/yr
3.14E-07	cm/s

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
05-Dec-02

WELL INFORMATION

Well ID:	99-7B
Static Depth to Water (m):	6.9
Screen Length (m):	3.8
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

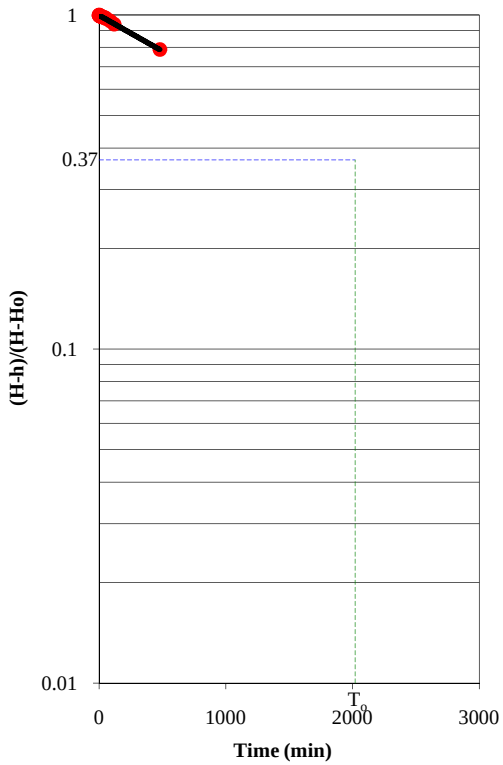
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	10.97
10	10.96
20	10.96
30	10.96
40	10.96
50	10.96
60	10.96
70	10.96
80	10.96
90	10.96
100	10.96
110	10.96
120	10.95
150	10.95
180	10.95
210	10.95
240	10.95
270	10.95
300	10.95
360	10.95
420	10.95
480	10.95
540	10.94
600	10.94
720	10.94
840	10.94
960	10.93
1080	10.93
1200	10.93
1500	10.92
1800	10.91
2400	10.90
3000	10.89
3600	10.86
5400	10.80
7200	10.72
28800	10.10
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	3.8	metres
Basic Lag Time (T_o) =	2021	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

9.23E-08	m/min
1.54E-09	m/s
1.33E-04	m/day
0.05	m/yr
1.54E-07	cm/s

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ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION
Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
05-Dec-02

WELL INFORMATION	
Well ID:	99-7C
Static Depth to Water (m):	4.9
Screen Length (m):	5.2
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

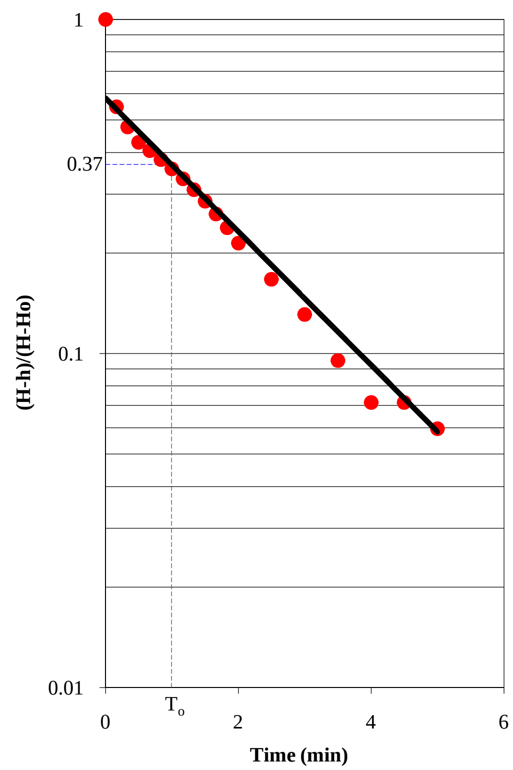
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	5.29
10	5.10
20	5.07
30	5.05
40	5.04
50	5.03
60	5.02
70	5.01
80	5.00
90	4.99
100	4.98
110	4.97
120	4.96
150	4.94
180	4.93
210	4.91
240	4.90
270	4.90
300	4.90
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	5.2	metres
Basic Lag Time (T_o) =	1	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

1.48E-04	m/min
2.47E-06	m/s
2.13E-01	m/day
77.78	m/yr
2.47E-04	cm/s

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ANALYSIS OF PUMPING/ RECOVERY TEST DATA

Golder Associates

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
05-Dec-02

WELL INFORMATION

Well ID:	99-8A
Static Depth to Water (m):	na
Screen Length (m):	6.4
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

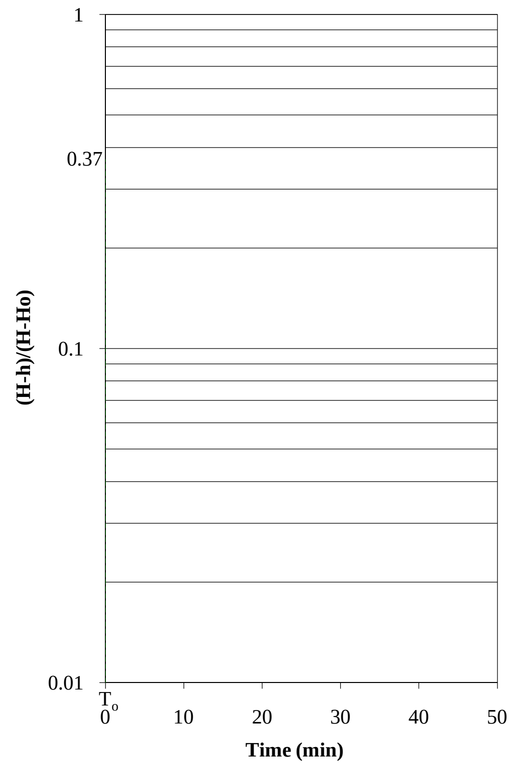
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	6.4	metres

Basic Lag Time (T_o) = ######## minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

####### m/min
####### m/s
####### m/day
####### m/yr
####### cm/s

NOTE:
Data not collected because monitors were over flowing.

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill

Project Number:
05-1120-703

Site Location:
City of Brockville

Date of Test:
05-Dec-02

WELL INFORMATION

Well ID:	99-8B
Static Depth to Water (m):	na
Screen Length (m):	6.4
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)

Reference: Freeze & Cherry, 1979

Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

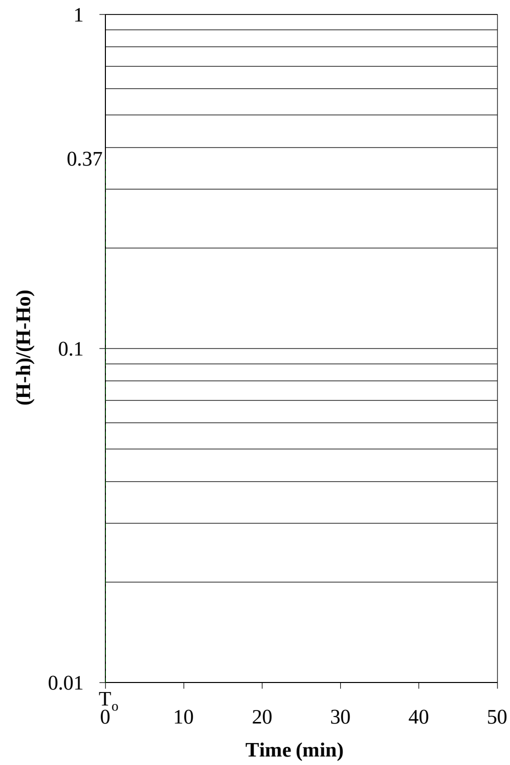
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	6.4	metres

Basic Lag Time (T_o) = ######## minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

####### m/min
####### m/s
####### m/day
####### m/yr
####### cm/s

NOTE:
Data not collected because monitors were over flowing.

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
05-Dec-02

WELL INFORMATION

Well ID:	99-8C
Static Depth to Water (m):	2.3
Screen Length (m):	6.4
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

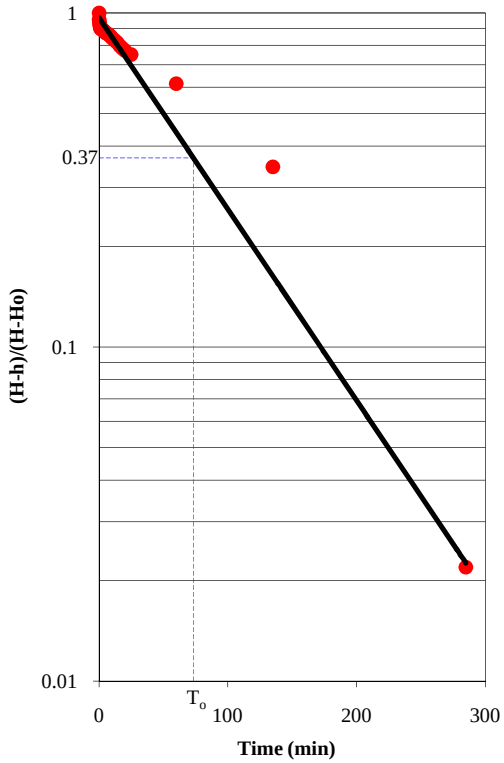
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	3.42
10	3.37
20	3.35
30	3.34
40	3.33
50	3.32
60	3.31
70	3.31
80	3.31
90	3.31
100	3.31
110	3.30
120	3.30
150	3.30
180	3.30
210	3.29
240	3.29
270	3.28
300	3.28
360	3.27
420	3.27
480	3.26
540	3.25
600	3.24
720	3.23
840	3.21
960	3.19
1080	3.18
1200	3.16
1500	3.14
3600	2.98
8100	2.68
17100	2.31
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	6.4	metres
Basic Lag Time (T_o) =	73	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

1.71E-06	m/min
2.85E-08	m/s
2.46E-03	m/day
0.90	m/yr
2.85E-06	cm/s

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
05-Dec-02

WELL INFORMATION

Well ID:	99-9A
Static Depth to Water (m):	1.4
Screen Length (m):	3.8
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

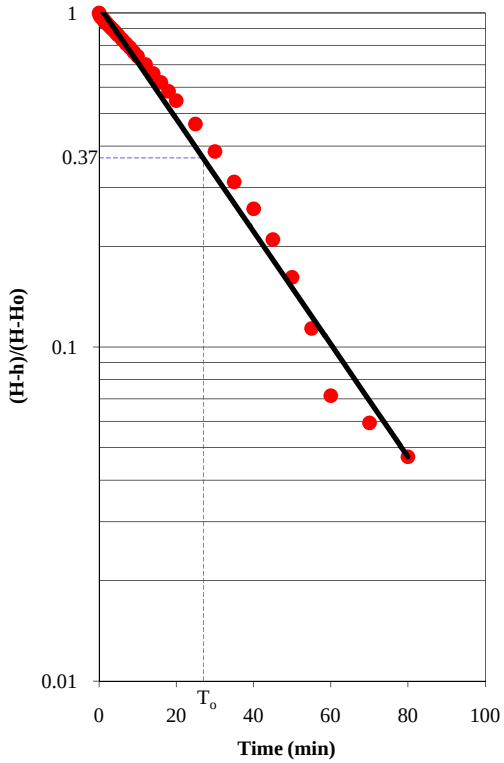
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	5.49
10	5.43
20	5.40
30	5.38
40	5.36
50	5.34
60	5.32
70	5.30
80	5.28
90	5.26
100	5.24
110	5.23
120	5.21
150	5.16
180	5.11
210	5.06
240	5.01
270	4.96
300	4.91
360	4.81
420	4.72
480	4.63
540	4.54
600	4.45
720	4.28
840	4.11
960	3.95
1080	3.80
1200	3.66
1500	3.33
1800	3.00
2100	2.71
2400	2.49
2700	2.29
3000	2.10
3300	1.90
3600	1.73
4200	1.68
4800	1.63
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	3.8	metres
Basic Lag Time (T_o) =	27	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

6.91E-06	m/min
1.15E-07	m/s
9.94E-03	m/day
3.63	m/yr
1.15E-05	cm/s

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
05-Dec-02

WELL INFORMATION

Well ID:	99-9B
Static Depth to Water (m):	2.4
Screen Length (m):	4.4
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

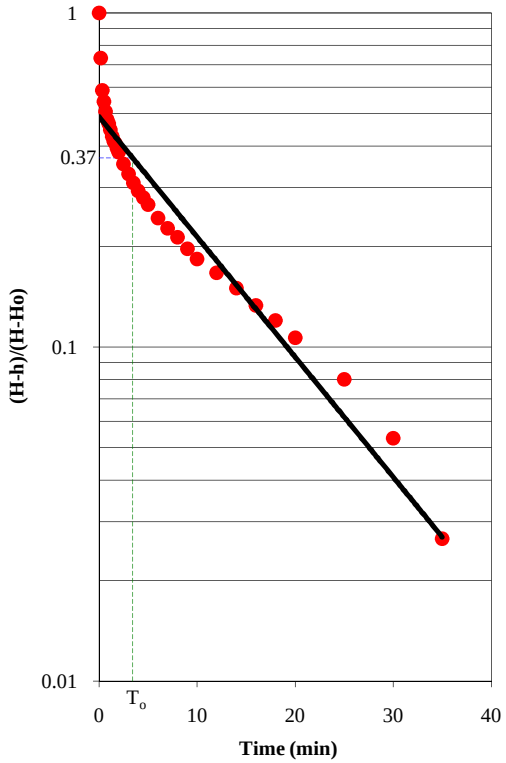
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	3.88
10	3.48
20	3.26
30	3.20
40	3.14
50	3.10
60	3.08
70	3.05
80	3.02
90	3.00
100	2.99
110	2.97
120	2.96
150	2.91
180	2.88
210	2.85
240	2.82
270	2.80
300	2.78
360	2.75
420	2.72
480	2.70
540	2.68
600	2.66
720	2.63
840	2.61
960	2.58
1080	2.56
1200	2.54
1500	2.50
1800	2.46
2100	2.42
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	4.4	metres
Basic Lag Time (T_o) =	3	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

4.85E-05	m/min
8.08E-07	m/s
6.98E-02	m/day
25.48	m/yr
8.08E-05	cm/s

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
05-Dec-02

WELL INFORMATION

Well ID:	99-9C
Static Depth to Water (m):	2.4
Screen Length (m):	3.8
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

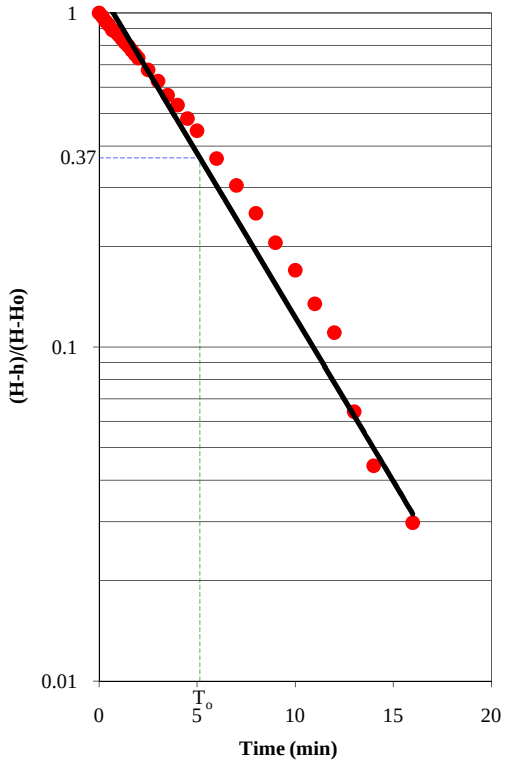
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	6.90
10	6.79
20	6.65
30	6.55
40	6.40
50	6.35
60	6.26
70	6.16
80	6.06
90	5.97
100	5.87
110	5.78
120	5.69
150	5.43
180	5.20
210	4.94
240	4.77
270	4.56
300	4.38
360	4.03
420	3.75
480	3.51
540	3.30
600	3.14
660	2.98
720	2.87
780	2.66
840	2.57
960	2.51
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	3.8	metres
Basic Lag Time (T_o) =	5	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

3.62E-05	m/min
6.03E-07	m/s
5.21E-02	m/day
19.03	m/yr
6.03E-05	cm/s

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
07-Dec-02

WELL INFORMATION

Well ID:	99-10A
Static Depth to Water (m):	6.2
Screen Length (m):	4.0
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

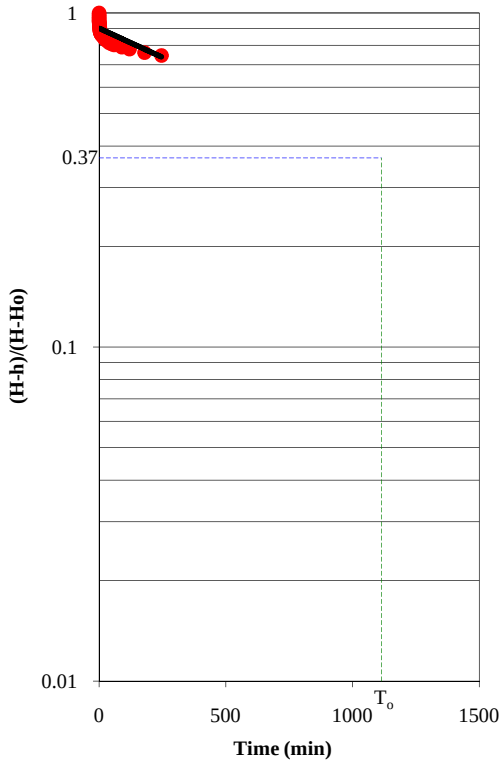
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	10.06
10	10.02
20	9.97
30	9.93
40	9.89
50	9.86
60	9.83
70	9.81
80	9.78
90	9.76
100	9.74
110	9.73
120	9.71
150	9.68
180	9.66
210	9.63
240	9.61
270	9.59
300	9.58
360	9.56
420	9.55
480	9.53
540	9.52
600	9.51
900	9.48
1200	9.44
1500	9.41
1800	9.39
2400	9.34
3000	9.31
3600	9.29
5400	9.24
7200	9.20
10800	9.13
14760	9.07
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	4	metres
Basic Lag Time (T_o) =	1113	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

1.61E-07	m/min
2.69E-09	m/s
2.32E-04	m/day
0.08	m/yr
2.69E-07	cm/s

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
07-Dec-02

WELL INFORMATION

Well ID:	99-10B
Static Depth to Water (m):	6.1
Screen Length (m):	6.0
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

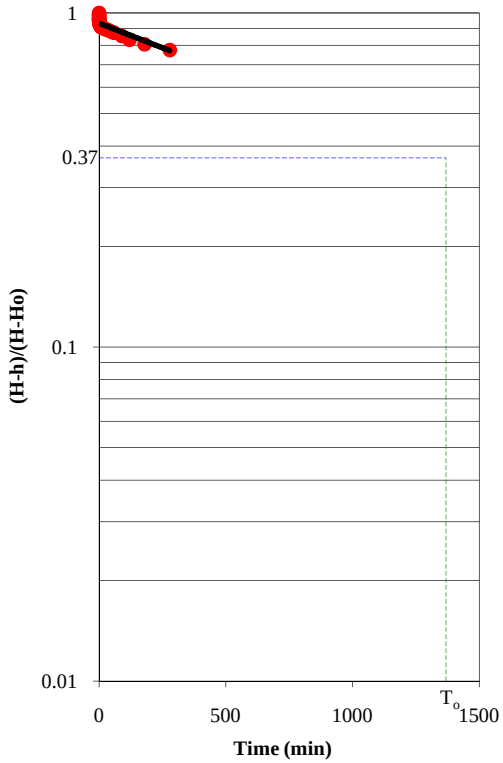
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	10.42
10	10.38
20	10.33
30	10.29
40	10.25
50	10.23
60	10.21
70	10.19
80	10.18
90	10.16
100	10.15
110	10.14
120	10.13
150	10.12
180	10.10
210	10.09
240	10.08
270	10.07
300	10.07
360	10.05
420	10.04
480	10.03
540	10.02
600	10.02
900	10.00
1200	9.98
1500	9.98
1800	9.96
2400	9.93
3000	9.90
3600	9.87
5400	9.79
7200	9.70
10800	9.59
16800	9.46
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	6	metres
Basic Lag Time (T_o) =	1369	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

9.63E-08	m/min
1.60E-09	m/s
1.39E-04	m/day
0.05	m/yr
1.60E-07	cm/s

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
05-Dec-02

WELL INFORMATION

Well ID:	99-10C
Static Depth to Water (m):	6.1
Screen Length (m):	3.6
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

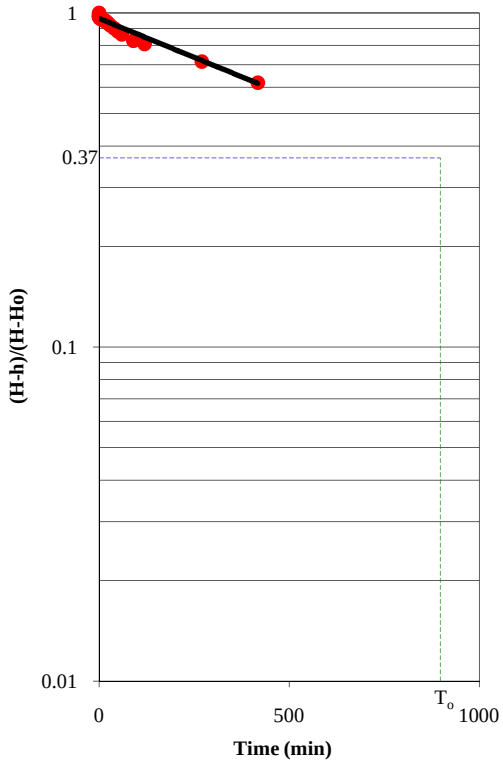
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	8.40
10	8.38
20	8.35
30	8.35
40	8.34
50	8.34
60	8.33
70	8.33
80	8.33
90	8.33
100	8.33
110	8.33
120	8.32
150	8.32
180	8.32
210	8.32
240	8.32
270	8.31
300	8.31
360	8.31
420	8.31
480	8.30
540	8.30
600	8.30
720	8.29
840	8.28
960	8.28
1080	8.27
1200	8.26
1500	8.24
1800	8.21
2400	8.17
3000	8.12
3600	8.08
5400	8.00
7200	7.95
16200	7.74
25080	7.51
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	3.6	metres
Basic Lag Time (T_o) =	897	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

2.16E-07	m/min
3.61E-09	m/s
3.12E-04	m/day
0.11	m/yr
3.61E-07	cm/s

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

Golder Associates

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
05-Dec-02

WELL INFORMATION

Well ID:	99-11A
Static Depth to Water (m):	0.9
Screen Length (m):	3.2
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

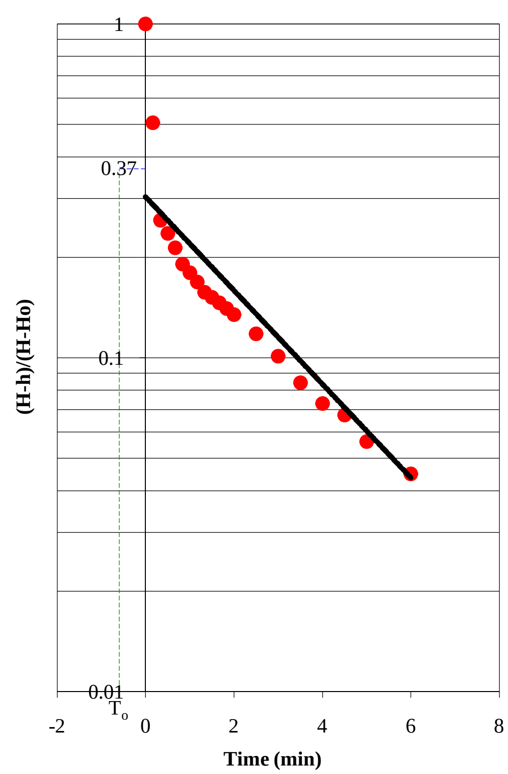
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	1.82
10	1.38
20	1.16
30	1.14
40	1.12
50	1.10
60	1.09
70	1.08
80	1.07
90	1.07
100	1.06
110	1.06
120	1.05
150	1.04
180	1.02
210	1.01
240	1.00
270	0.99
300	0.98
360	0.97
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	3.2	metres
Basic Lag Time (T_o) =	-1	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

#######	m/min
#######	m/s
#######	m/day
-186.57	m/yr
#######	cm/s

NOTE:

Equation is not valid for this monitoring point.

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

Golder Associates

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill
Project Number:
05-1120-703
Site Location:
City of Brockville
Date of Test:
05-Dec-02

WELL INFORMATION

Well ID:	99-11B
Static Depth to Water (m):	0.9
Screen Length (m):	5.4
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)
Reference: Freeze & Cherry, 1979
Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

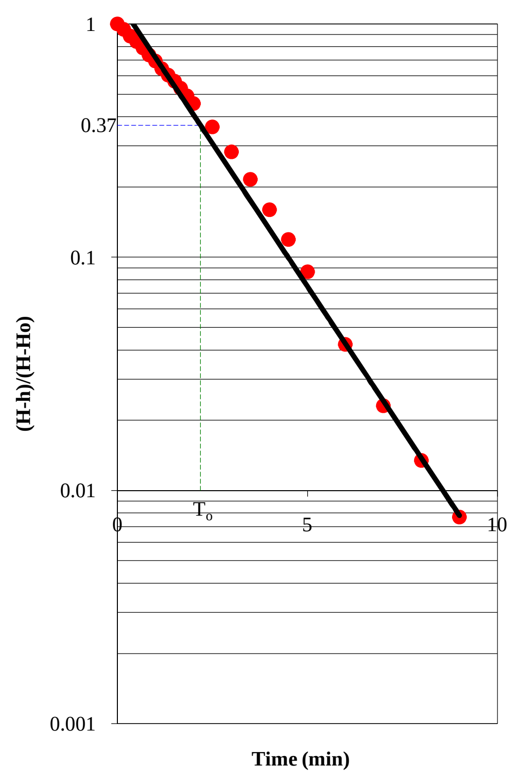
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	6.06
10	5.79
20	5.48
30	5.23
40	4.97
50	4.69
60	4.47
70	4.20
80	4.00
90	3.82
100	3.62
110	3.42
120	3.23
150	2.74
180	2.33
210	1.98
240	1.69
270	1.48
300	1.31
360	1.08
420	0.98
480	0.93
540	0.90
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	5.4	metres
Basic Lag Time (T_o) =	2	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

6.54E-05	m/min
1.09E-06	m/s
9.42E-02	m/day
34.40	m/yr
1.09E-04	cm/s

May 2005

ANALYSIS OF PUMPING/ RECOVERY TEST DATA

Golder Associates

PROJECT INFORMATION

Project Name:
City of Brockville Muncipal Landfill

Project Number:
05-1120-703

Site Location:
City of Brockville

Date of Test:
05-Dec-02

WELL INFORMATION

Well ID:	99-11C
Static Depth to Water (m):	0.8
Screen Length (m):	4.0
Well Diameter (m):	0.038
Filter Pack Diameter (m):	0.150

ANALYTICAL METHOD

Method: Hvorslev (1951)

Reference: Freeze & Cherry, 1979

Calculations:

(1) $$q(t) = \pi r^2 \frac{dh}{dt} = FK(H-h)$$

where: q = rate of inflow
r = casing radius
h = hydraulic head
t = time
F = shape factor
K = hydraulic conductivity
H = static hydraulic head

(2) $$T_o = \frac{\pi r^2}{FK}$$

where: T_o = basic time lag

When (2) is substituted into (1), the solution to the resulting ordinary differential equation is:

(3) $$\frac{H-h}{H-H_o} = e^{-t/T_o}$$

where: H_o = hydraulic head at t = 0

For L/R > 8, Hvorslev has evaluated the shape factor, F. The resulting expression for K is:

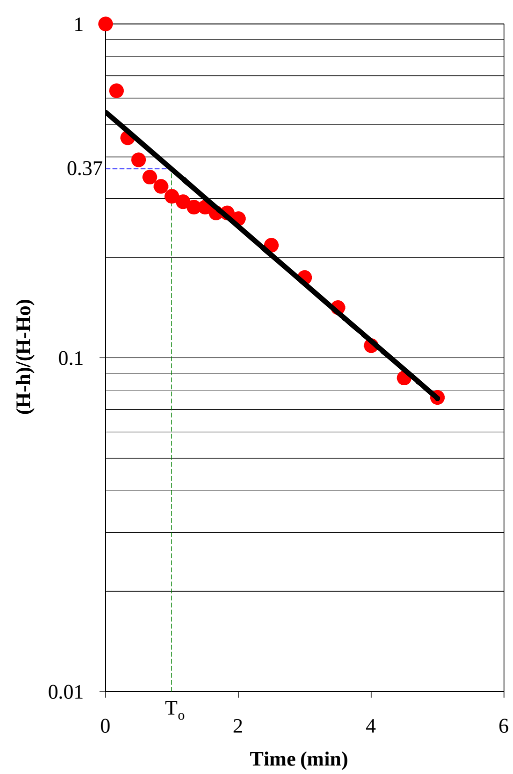
(4) $$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

where: L = screen length
R = radius of filter pack

RAW DATA

Time (sec)	Depth to Water (m)
0	1.28
10	1.11
20	1.03
30	1.00
40	0.98
50	0.97
60	0.96
70	0.96
80	0.95
90	0.95
100	0.95
110	0.95
120	0.94
150	0.92
180	0.90
210	0.89
240	0.87
270	0.86
300	0.86
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ANALYTICAL RESULTS



Casing Radius (r) =	0.019	metres
Filter Pack Radius (R) =	0.075	metres
Screen Length (L) =	4	metres
Basic Lag Time (T_o) =	1	minutes

Hydraulic Conductivity:

$$K = \frac{r^2 \ln(L/R)}{2LT_o}$$

K Results

1.81E-04	m/min
3.01E-06	m/s
2.60E-01	m/day
94.88	m/yr
3.01E-04	cm/s

APPENDIX 4
Landfill Maintenance Documents

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 04-01-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NANA ADJEI
Please Print

Signature

Please return completed report to Solid Waste Officer – Environmental Services

Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 08-01-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked		

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

HUMNA OJEI
Please Print

Signature

Please return completed report to Solid Waste Officer – Environmental Services

Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 11-01-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas	✓	✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NANA ADJEI
Please Print

Signature

Please return completed report to Solid Waste Officer – Environmental Services

Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 15 - 01 - 2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NANA ADJEI
Please Print

Signature

Please return completed report to Solid Waste Officer – Environmental Services

Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 18-01-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	✓	
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NANA ADJEI
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Please return completed report to Solid Waste Officer – Environmental Services

Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 22-01-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	—	—
2.	Main entrance outside gate is closed and locked	—	—
3.	Roadway around site is in good condition	—	—
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	—	—
5.	Damage or signs of entry to Exterior Fence	—	—
6.	Trees down on fence or roadway	—	—
7.	Signs of entry or damage to buildings	—	—
8.	Flare stack running (Discontinued August 2012)	—	√
9.	Any strong smell of odors in specific areas	—	—
10.	Storage trailers for arena surface storage locked	—	—

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 25-01-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 29-01-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES.

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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 6/-02-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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LANDFILL SITE INSPECTION REPORT

Inspection Date: 5-02-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	—
2.	Main entrance outside gate is closed and locked	✓	—
3.	Roadway around site is in good condition	—	X
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	✓	—
5.	Damage or signs of entry to Exterior Fence	✓	—
6.	Trees down on fence or roadway	—	X
7.	Signs of entry or damage to buildings	—	X
8.	Flare stack running (Discontinued August 2012)	—	✓
9.	Any strong smell of odors in specific areas	—	X
10.	Storage trailers for arena surface storage locked – No PATROL	—	—

Comments: I Could not do my rounds because there was too much snow on the ground.

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LANDFILL SITE INSPECTION REPORT

Inspection Date: 08-02-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition		✓
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	✓	✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 12-02-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: -02- 2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE To BOTH GATES

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 19-02-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	✓	
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas	✓	✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 22-02-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

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LANDFILL SITE INSPECTION REPORT

Inspection Date: 26-02-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	✓	
5.	Damage or signs of entry to Exterior Fence		
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES
ICY ROAD.

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 01-03-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	✓	
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 05-03-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	—
2.	Main entrance outside gate is closed and locked	✓	—
3.	Roadway around site is in good condition	✓	—
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	✓	—
5.	Damage or signs of entry to Exterior Fence	✓	—
6.	Trees down on fence or roadway	—	✓
7.	Signs of entry or damage to buildings	—	✓
8.	Flare stack running (Discontinued August 2012)	—	✓
9.	Any strong smell of odors in specific areas	—	✓
10.	Storage trailers for arena surface storage locked	✓	—

Comments: DAMAGE TO BOTH GATES

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LANDFILL SITE INSPECTION REPORT

Inspection Date: 08-03-2024

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition		✓
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	✓	
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

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BROCKVILLE
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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 12-03-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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BROCKVILLE
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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 15-03-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 19-03-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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BROCKVILLE
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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 22-03-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	—
2.	Main entrance outside gate is closed and locked	✓	—
3.	Roadway around site is in good condition	✓	—
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	—	✓
5.	Damage or signs of entry to Exterior Fence	✓	—
6.	Trees down on fence or roadway	✓	✓
7.	Signs of entry or damage to buildings	—	✓
8.	Flare stack running (Discontinued August 2012)	—	✓
9.	Any strong smell of odors in specific areas	—	✓
10.	Storage trailers for arena surface storage locked	✓	—

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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LANDFILL SITE INSPECTION REPORT

Inspection Date: 26-03-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 31-03-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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LANDFILL SITE INSPECTION REPORT

Inspection Date: 05-04-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

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BROCKVILLE
CITY OF THE 1000 ISLANDS

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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 09-04-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES
CITY MECHANIC WAS IN THE KWANZAA HUT

Inspection Completed By:

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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 12-04-2024

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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BROCKVILLE
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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 16-04-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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BROCKVILLE
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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 19-04-2024

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 23-04-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NANA ADJEI
Please Print

Signature

Please return completed report to Solid Waste Officer – Environmental Services

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 26-04-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	—
3.	Roadway around site is in good condition	—	—
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	✓	—
5.	Damage or signs of entry to Exterior Fence	—	✓
6.	Trees down on fence or roadway	✓	—
7.	Signs of entry or damage to buildings	—	✓
8.	Flare stack running (Discontinued August 2012)	—	✓
9.	Any strong smell of odors in specific areas	—	✓
10.	Storage trailers for arena surface storage locked	✓	—

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NAM ADJEI
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Please return completed report to Solid Waste Officer – Environmental Services

Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 30-04-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 03-05-2024

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 07-05-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	—
2.	Main entrance outside gate is closed and locked	✓	—
3.	Roadway around site is in good condition	✓	—
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	—	✓
5.	Damage or signs of entry to Exterior Fence	✓	—
6.	Trees down on fence or roadway	—	✓
7.	Signs of entry or damage to buildings	—	✓
8.	Flare stack running (Discontinued August 2012)	—	✓
9.	Any strong smell of odors in specific areas	—	✓
10.	Storage trailers for arena surface storage locked	✓	—

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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BROCKVILLE
CITY OF THE 1000 ISLANDS

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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 10-05-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE to BOTH GATES

Inspection Completed By:

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CITY OF THE 1000 ISLANDS

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ENVIRONMENTAL SERVICES DEPARTMENT
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LANDFILL SITE INSPECTION REPORT

Inspection Date: 14-05-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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Please return completed report to Solid Waste Officer – Environmental Services

Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 17-05-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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Please return completed report to Solid Waste Officer – Environmental Services

Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 21 - 05 - 2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO E/W GATES
WATER WORKERS ON SITE
FOUND FOUR TIRES NEAR KWANZAA HUT
TWO BAGS DUMPED AT THE EAST GATE

Inspection Completed By:

NANA ADJEI
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BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 25-05-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 28-05-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 31 - 05 - 2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NANA ADJEI
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Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 04-06-2024

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NANA ADJEI

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Please return completed report to Solid Waste Officer – Environmental Services

Created on August 29, 2012

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CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 07-06-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NANA ANJEI
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Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: JUNE 11th 2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NANA ADJEI

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Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 14-06-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NANA ADJEI
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Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 18 - 06 - 2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NANA ADJEI
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Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 21-06-2024

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked		✓
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES
CITY PARKS ON SITE

Inspection Completed By:

NANA ADJEI
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Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 25-06-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

NANA ADJEI
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Please return completed report to Solid Waste Officer – Environmental Services

Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: 28-06-2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence	✓	
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: DAMAGE TO BOTH GATES

Inspection Completed By:

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Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: July 5/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	—
2.	Main entrance outside gate is closed and locked	✓	—
3.	Roadway around site is in good condition	✓	—
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	—	✓
5.	Damage or signs of entry to Exterior Fence	—	✓
6.	Trees down on fence or roadway	—	✓
7.	Signs of entry or damage to buildings	—	✓
8.	Flare stack running (Discontinued August 2012)	—	✓
9.	Any strong smell of odors in specific areas	—	✓
10.	Storage trailers for arena surface storage locked	✓	—

Comments: Could use grass trimming / mowing around east gate - will mention next time mowers are due on site.

Inspection Completed By:

Lyndsay d'Entremont
Please Print

L d'Entremont
Signature

Please return completed report to Solid Waste Officer – Environmental Services

Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: July 8/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: Fences / gates could use some maintenance. Will address this.

Inspection Completed By:

Lyndsay d'Entremont
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LD'Entremont
Signature

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Created on August 29, 2012

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CITY OF THE 1000 ISLANDS

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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: July 13/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: Getting quotes for trimming and maintenance in areas where needed.

Inspection Completed By:

Lyndsay d'Entremont — Please Print

Ld'Entremont — Signature

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CITY OF THE 1000 ISLANDS

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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: July 16/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: Site mowed; gate area mowed as well.

Inspection Completed By:

Lyndsay d'Entremont
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Created on August 29, 2012

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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: July 20/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments:

Inspection Completed By:

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Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: July 23/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	—
2.	Main entrance outside gate is closed and locked	✓	—
3.	Roadway around site is in good condition	✓	—
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	—	✓
5.	Damage or signs of entry to Exterior Fence	—	✓
6.	Trees down on fence or roadway	—	✓
7.	Signs of entry or damage to buildings	—	✓
8.	Flare stack running (Discontinued August 2012)	—	✓
9.	Any strong smell of odors in specific areas	—	✓
10.	Storage trailers for arena surface storage locked	✓	—

Comments: Branch on road - moved it out of the way.

Inspection Completed By:

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BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: July 27/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: Contractor on site to provide quote for trimming.

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LANDFILL SITE INSPECTION REPORT

Inspection Date: July 30/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Aug. 9/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: Met another contractor on site for trimming maintenance quote.

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Aug. 6/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Aug. 10/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Aug. 13/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Aug. 17/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: Site may need to be mowed again soon.

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Aug. 19/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	—
2.	Main entrance outside gate is closed and locked	✓	—
3.	Roadway around site is in good condition	✓	—
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	—	✓
5.	Damage or signs of entry to Exterior Fence	—	✓
6.	Trees down on fence or roadway	—	✓
7.	Signs of entry or damage to buildings	—	✓
8.	Flare stack running (Discontinued August 2012)	—	√
9.	Any strong smell of odors in specific areas	—	✓
10.	Storage trailers for arena surface storage locked	✓	—

Comments: Pair of old shoes dumped outside of west gate. Will remove.

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Aug. 24/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Aug. 26/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: Site mowed yesterday.

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Aug. 31/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Sept. 2/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	✓
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Sept. 7/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Sept. 13/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Sept. 14/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	—
2.	Main entrance outside gate is closed and locked	✓	—
3.	Roadway around site is in good condition	✓	—
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	—	✓
5.	Damage or signs of entry to Exterior Fence	—	✓
6.	Trees down on fence or roadway	—	✓
7.	Signs of entry or damage to buildings	—	✓
8.	Flare stack running (Discontinued August 2012)	—	✓
9.	Any strong smell of odors in specific areas	—	✓
10.	Storage trailers for arena surface storage locked	✓	—

Comments: Met consultants, J2PG, who were on site for sampling.

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Sept. 17/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Sept. 21/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Sept. 22/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Sept. 24/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Sept. 28 /21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Oct. 1 / 21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: Site mowed today by contractor.

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Oct. 7 /21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Oct. 8/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Oct. 13/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	—
2.	Main entrance outside gate is closed and locked	✓	—
3.	Roadway around site is in good condition	✓	—
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	—	✓
5.	Damage or signs of entry to Exterior Fence	—	✓
6.	Trees down on fence or roadway	—	✓
7.	Signs of entry or damage to buildings	—	✓
8.	Flare stack running (Discontinued August 2012)	—	√ ✓
9.	Any strong smell of odors in specific areas	—	—
10.	Storage trailers for arena surface storage locked	✓	—

Comments: _____

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Oct. 15/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Oct. 19/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

Lyndsay d'Entremont
Please Print

L d'Entremont
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Created on August 29, 2012

BROCKVILLE
CITY OF THE 1000 ISLANDS

CITY OF BROCKVILLE
ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Oct. 21/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	—
2.	Main entrance outside gate is closed and locked	✓	—
3.	Roadway around site is in good condition	✓	—
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	—	✓
5.	Damage or signs of entry to Exterior Fence	—	✓
6.	Trees down on fence or roadway	—	✓
7.	Signs of entry or damage to buildings	—	✓
8.	Flare stack running (Discontinued August 2012)	—	✓
9.	Any strong smell of odors in specific areas	—	✓
10.	Storage trailers for arena surface storage locked	✓	—

Comments: _____

Inspection Completed By:

Lyndsay d'Entremont _____
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CITY OF THE 1000 ISLANDS

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Oct. 25/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

Lyndsay d'Entremont
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Yd 'Entremont
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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Oct. 26/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Nov. 3/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

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CITY OF THE 1000 ISLANDS

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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Nov. 5/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

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CITY OF THE 1000 ISLANDS

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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Nov. 9/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: Deer and turkeys on site.

Inspection Completed By:

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Nov. 12/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: Garbage bag dumped outside west gate. Asked Public Works to remove it.

Inspection Completed By:

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Nov. 16/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: Met contractor at site - they will be trimming tree branches encroaching the roadway, and removing branches growing into fenceline.

Inspection Completed By:

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Nov. 19/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

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LANDFILL SITE INSPECTION REPORT

Inspection Date: Nov. 24/12

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Nov. 26 /21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	—
2.	Main entrance outside gate is closed and locked	✓	—
3.	Roadway around site is in good condition	✓	—
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)	—	✓
5.	Damage or signs of entry to Exterior Fence	—	✓
6.	Trees down on fence or roadway	—	✓
7.	Signs of entry or damage to buildings	—	✓
8.	Flare stack running (Discontinued August 2012)	—	✓
9.	Any strong smell of odors in specific areas	—	✓
10.	Storage trailers for arena surface storage locked	✓	—

Comments: _____

Inspection Completed By:

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Nov. 30/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

Lyndsay d'Entremont
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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Dec. 2/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

Lyndsay d'Entremont — Please Print

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Dec. 7, 2021

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

Lyndsay d'Entremont — Please Print

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Dec. 9/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

Lyndsay d'Entremont
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L d'Entremont
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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Dec. 13/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: Windstorm on Saturday brought Some branches

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Dec. 17/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Dec. 21/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Dec. 22/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

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Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Dec. 29/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		√
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

D. White
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CITY OF THE 1000 ISLANDS

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ENVIRONMENTAL SERVICES DEPARTMENT
Solid Waste Division

LANDFILL SITE INSPECTION REPORT

Inspection Date: Dec. 31/21

		YES	NO
1.	Leachate entrance gate is closed and locked	✓	
2.	Main entrance outside gate is closed and locked	✓	
3.	Roadway around site is in good condition	✓	
4.	Abnormalities in landscape (snow melted in one place/dead grass, ect.)		✓
5.	Damage or signs of entry to Exterior Fence		✓
6.	Trees down on fence or roadway		✓
7.	Signs of entry or damage to buildings		✓
8.	Flare stack running (Discontinued August 2012)		✓
9.	Any strong smell of odors in specific areas		✓
10.	Storage trailers for arena surface storage locked	✓	

Comments: _____

Inspection Completed By:

D. White
Please Print

Signature

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Created on August 29, 2012

APPENDIX 5
Inorganic Overburden Groundwater Chemical Data

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2M 18-Apr-1990	90-2M 10-Aug-1990	90-2M 06-Nov-1990	90-2M 18-Apr-1991	90-2M 12-Sep-1991	90-2M 20-Nov-1991	90-2M 06-May-1992
General Chemistry										
Alkalinity (Total as CaCO3)	mg/l	--	--	274	566	430	320	410	810	460
Ammonia Nitrogen	mg/l	--	--	2.05	4.2	1.29	--	42	38	6.8
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	<1	2	7	--	7	4	<3
Bromide	mg/l	--	--	<0.5	<0.5	<0.5	0.62	2.1	2.1	0.64
Chemical Oxygen Demand	mg/l	--	--	24	--	--	--	164	140	34
Chloride	mg/l	--	250	50	355	212	140	490	520	130
Color	color unit	--	5	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	900	2000	1500	1112	2500	2900	1150
Cyanide	mg/l	0.2	--	<0.01	<0.01	<0.01	--	<0.001	<0.001	<0.001
Fluoride	mg/l	1.5	--	0.08	0.11	0.05	0.11	0.27	0.24	0.25
Hardness, Calcium Carbonate	mg/l	--	--	330	708	648	428	1000	954	522
Nitrate	mg/l	-- [3]	--	0.2	0.65	<0.1	<0.1	0.17	0.13	0.14
Nitrite	mg/l	-- [4]	--	<0.1	<0.1	<0.1	<0.5	<0.005	0.016	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	2.63	6.09	2.26	0.172	51	38	7
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	11	--	0.2
pH (Field)	-	--	--	7	6.7	6.73	6.9	6.8	6.4	6.2
Phosphate	mg/l	--	--	<0.1	0.21	0.21	<0.2	0.07	<0.2	<0.1
Phosphorus	mg/l	--	--	<0.1	0.1	<0.1	<0.5	--	<0.5	<0.1
Sulphate	mg/l	--	500 [5]	75	28	46	57	17	19	60
Temperature (Field)	deg c	--	15	7	11	9	4.4	16.1	10.5	10
Total Dissolved Solids	mg/l	--	500	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--
Total Suspended Solids	mg/l	--	--	--	--	--	6	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	55	--	--	--
Metals										
Aluminum, dissolved	mg/l	--	--	<0.03	0.02	<0.03	<0.05	--	<0.05	<0.05
Arsenic, dissolved	mg/l	0.01	--	<0.02	<0.01	<0.01	--	--	0.001	<0.001
Barium, dissolved	mg/l	1	--	0.42	**1.14**	0.8	0.616	--	**1.36**	0.55
Beryllium, dissolved	mg/l	--	--	0.07	<0.01	<0.01	<0.0005	--	<0.0005	<0.005
Boron, dissolved	mg/l	5	--	<0.01	0.39	0.34	0.222	--	0.71	0.32
Cadmium, dissolved	mg/l	0.005	--	<0.002	<0.002	<0.002	<0.0001	--	<0.0001	0.0001
Calcium, dissolved	mg/l	--	--	86	178	162	127	--	232	130
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01
Cobalt, dissolved	mg/l	--	--	<0.02	0.04	<0.02	<0.05	--	<0.05	<0.05
Copper, dissolved	mg/l	--	1	<0.002	<0.01	<0.01	<0.01	--	<0.01	<0.01
Iron, dissolved	mg/l	--	0.3	4.8	8.55	4.16	3.08	--	19.5	13
Lead, dissolved	mg/l	0.01	--	<0.002	<0.002	<0.002	<0.05	--	<0.05	<0.05
Magnesium, dissolved	mg/l	--	--	28	64	59	42.9	--	91.1	48
Manganese, dissolved	mg/l	--	0.05	1.2	0.3	0.4	0.32	--	0.48	0.41
Molybdenum, dissolved	mg/l	--	--	<0.01	<0.01	0.01	<0.2	--	<0.2	<0.5
Nickel, dissolved	mg/l	--	--	<0.02	0.03	<0.01	<0.05	--	<0.05	<0.05
Potassium, dissolved	mg/l	--	--	5	8	10	2.3	--	28	8.3
Silicon, dissolved	mg/l	--	--	4.8	8.7	5.7	5.92	--	9.89	6.7
Silver, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.005	--	<0.005	<0.005
Sodium, dissolved	mg/l	--	200 [7]	35	183	96	68.4	--	240	91
Strontium, dissolved	mg/l	--	--	0.95	2.1	2.09	1.72	--	2.93	1.6
Sulfur	mg/l	--	--	29	8	19	--	--	--	--
Thallium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	--	--	--	--
Titanium, dissolved	mg/l	--	--	0.09	0.01	<0.01	<0.005	--	<0.005	<0.005
Vanadium, dissolved	mg/l	--	--	0.05	0.05	<0.01	<0.005	--	<0.005	0.02
Zinc, dissolved	mg/l	--	5	<0.01	0.07	<0.01	<0.01	--	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Phenols										
Phenolics, Total Recoverable	mg/l	--	--	0.004	<0.002	<0.002	--	0.005	0.004	<0.0005

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2M 19-Aug-1992	90-2M 18-Nov-1992	90-2M 20-May-1993	90-2M 30-Aug-1993	90-2M 24-Nov-1993	90-2M 16-May-1994
General Chemistry									
Alkalinity (Total as CaCO3)	mg/l	--	--	3000	340	560	470	660	500
Ammonia Nitrogen	mg/l	--	--	79	11	9.4	13	26	14
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	8	<3	12	<3	9	6
Bromide	mg/l	--	--	3	0.23	0.22	0.91	0.4	0.11
Chemical Oxygen Demand	mg/l	--	--	200	59	81	49	59	22
Chloride	mg/l	--	250	570	51	93	83	110	98
Color	color unit	--	5	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	4000	1000	1250	1000	1800	1100
Cyanide	mg/l	0.2	--	<0.001	0.002	<0.002	<0.002	<0.002	<0.002
Fluoride	mg/l	1.5	--	0.36	0.11	<0.1	0.14	<0.1	0.18
Hardness, Calcium Carbonate	mg/l	--	--	1000	410	490	580	760	470
Nitrate	mg/l	-- [3]	--	0.12	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrite	mg/l	-- [4]	--	<0.1	<0.1	<0.005	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	100	12	17	18	31	16
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	<0.105	<0.2	<0.2	<0.2
Nitrogen, Organic	mg/l	--	--	21	1	7.6	5	5	2
pH (Field)	-	--	--	6.6	6.7	7.3	6.6	6.7	6.9
Phosphate	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulphate	mg/l	--	500 [5]	9.1	77	62	46	66	24
Temperature (Field)	deg c	--	15	7	8	8	12	9.5	9
Total Dissolved Solids	mg/l	--	500	--	--	670	870	790	590
Total Organic Carbon	mg/l	--	--	--	--	16	11	18	10
Total Suspended Solids	mg/l	--	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	--	--	--
Metals									
Aluminum, dissolved	mg/l	--	--	0.07	0.06	<0.05	0.05	0.06	<0.05
Arsenic, dissolved	mg/l	0.01	--	0.0008	0.001	<0.0005	<0.002	<0.002	<0.002
Barium, dissolved	mg/l	1	--	**1.1**	0.26	0.37	0.29	0.35	0.28
Beryllium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, dissolved	mg/l	5	--	1.2	0.25	0.26	0.29	0.47	0.22
Cadmium, dissolved	mg/l	0.005	--	0.0005	<0.0002	0.0007	<0.005	0.00101	0.0004
Calcium, dissolved	mg/l	--	--	220	110	128	160	220	125
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, dissolved	mg/l	--	--	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Copper, dissolved	mg/l	--	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, dissolved	mg/l	--	0.3	42	13	38	8.7	59	38
Lead, dissolved	mg/l	0.01	--	<0.05	<0.05	**0.027**	**0.013**	0.002	0.002
Magnesium, dissolved	mg/l	--	--	110	32	42	43	53	39
Manganese, dissolved	mg/l	--	0.05	0.4	0.46	0.54	0.45	0.8	0.55
Molybdenum, dissolved	mg/l	--	--	<0.5	<0.3	0.3	<0.3	<0.3	<0.3
Nickel, dissolved	mg/l	--	--	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, dissolved	mg/l	--	--	60	15	20	10	18	11
Silicon, dissolved	mg/l	--	--	7.8	6	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, dissolved	mg/l	--	200 [7]	330	43	60	57	53	37
Strontium, dissolved	mg/l	--	--	2.5	0.71	0.62	<0.01	0.67	0.47
Sulfur	mg/l	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	<0.05	<0.05	<0.05	<0.05
Titanium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, dissolved	mg/l	--	--	<0.005	<0.005	0.005	<0.005	0.008	<0.005
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	<0.1
Phenols									
Phenolics, Total Recoverable	mg/l	--	--	0.0055	<0.0005	0.011	<0.001	0.006	0.002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2M 20-Sep-1994	90-2M 25-Apr-1995	90-2M 18-Sep-1995	90-2M 07-May-1996	90-2M 25-Sep-1996	90-2M 08-May-1997	90-2M 02-Oct-1997
General Chemistry										
Alkalinity (Total as CaCO3)	mg/l	--	--	400	240	360	450	260	240	280
Ammonia Nitrogen	mg/l	--	--	2.5	<0.1	5.1	4.83	0.72	0.84	1.2
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	<3	<3	<3	<6	<2	--	--
Bromide	mg/l	--	--	0.33	<0.1	0.22	<0.1	0.13	--	--
Chemical Oxygen Demand	mg/l	--	--	35	8	<5	17	<5	16	10
Chloride	mg/l	--	250	48	13	24	19	6	6.5	7.4
Color	color unit	--	5	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	975	675	850	960	420	395	630
Cyanide	mg/l	0.2	--	<0.002	<0.002	<0.002	<0.005	<0.005	--	--
Fluoride	mg/l	1.5	--	<0.1	0.1	0.4	0.41	0.29	--	--
Hardness, Calcium Carbonate	mg/l	--	--	430	410	380	520	260	280	330
Nitrate	mg/l	-- [3]	--	<0.1	0.13	<0.1	<0.05	0.22	--	--
Nitrite	mg/l	-- [4]	--	<0.1	<0.1	<1	<0.1	<0.1	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	8.8	2.2	5.4	5.79	0.98	1.3	2.1
Nitrogen, Nitrate-Nitrite	mg/l	--	--	<0.2	<0.23	<1.1	<0.15	<0.32	--	--
Nitrogen, Organic	mg/l	--	--	6.3	<2.2	0.4	0.96	0.26	0.46	0.9
pH (Field)	-	--	--	6.8	6.7	6.9	6.6	6.8	6.7	6.8
Phosphate	mg/l	--	--	<0.1	--	--	--	--	--	--
Phosphorus	mg/l	--	--	<0.1	--	--	<1	<0.2	--	--
Sulphate	mg/l	--	500 [5]	30	43	34	33	59	--	--
Temperature (Field)	deg c	--	15	10.5	10	10	6	6.5	7	9
Total Dissolved Solids	mg/l	--	500	580	490	420	470	340	330	370
Total Organic Carbon	mg/l	--	--	8.6	4.3	7.1	25	8	5.6	5.7
Total Suspended Solids	mg/l	--	--	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	--	--	--	--
Metals										
Aluminum, dissolved	mg/l	--	--	<0.05	<0.05	0.06	<0.1	<0.1	--	--
Arsenic, dissolved	mg/l	0.01	--	<0.002	<0.002	<0.002	<0.005	<0.005	--	--
Barium, dissolved	mg/l	1	--	0.26	0.17	0.22	0.22	0.17	--	--
Beryllium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.01	<0.01	--	--
Boron, dissolved	mg/l	5	--	0.1	<0.05	0.21	0.2	0.25	0.05	0.09
Cadmium, dissolved	mg/l	0.005	--	0.0002	<0.005	<0.005	<0.00008	<0.00008	--	--
Calcium, dissolved	mg/l	--	--	118	120	110	140	89	82	100
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.01	<0.02	<0.02	--	--
Cobalt, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.09	<0.09	--	--
Copper, dissolved	mg/l	--	1	<0.01	<0.01	<0.01	<0.02	<0.02	--	--
Iron, dissolved	mg/l	--	0.3	9.1	13	8.1	26	1.9	3.7	3
Lead, dissolved	mg/l	0.01	--	**0.018**	0.006	**0.012**	<0.0006	<0.0006	--	--
Magnesium, dissolved	mg/l	--	--	32	26	26	37	18	18	19
Manganese, dissolved	mg/l	--	0.05	0.31	0.27	0.23	0.55	0.12	--	--
Molybdenum, dissolved	mg/l	--	--	<0.3	<0.3	<0.3	<0.04	<0.04	--	--
Nickel, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.03	<0.03	--	--
Potassium, dissolved	mg/l	--	--	9.2	4.1	5.8	7	2.2	1.4	2.4
Silicon, dissolved	mg/l	--	--	--	3.8	--	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.02	<0.02	--	--
Sodium, dissolved	mg/l	--	200 [7]	58	20	32	28	8.5	7.8	11
Strontium, dissolved	mg/l	--	--	0.58	0.4	0.51	0.39	0.3	0.22	0.32
Sulfur	mg/l	--	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	<0.05	<0.05	<0.05	<0.002	<1	--	--
Titanium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.01	<0.01	--	--
Vanadium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.01	<0.01	--	--
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	--	--
Zirconium, dissolved	mg/l	--	--	<0.1	<0.1	<0.1	<0.01	<0.01	--	--
Phenols										
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	0.0034	<0.0008	0.002	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2M 12-May-1998	90-2M 22-Sep-1998	90-2M 04-May-1999	90-2M 03-Oct-1999	90-2M 30-May-2000	90-2M 22-May-2001
General Chemistry									
Alkalinity (Total as CaCO3)	mg/l	--	--	340	390	430	395	252	335
Ammonia Nitrogen	mg/l	--	--	3.9	4.3	6.8	4.2	0.63	1.6
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	18	<5	20	37	10	19
Chloride	mg/l	--	250	12	13	16	16.8	14	13
Color	color unit	--	5	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	695	765	860	--	475	530
Cyanide	mg/l	0.2	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	330	370	420	359	311	380
Nitrate	mg/l	-- [3]	--	--	--	--	--	--	--
Nitrite	mg/l	-- [4]	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	4.8	6.5	8	3.3	0.77	1.72
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.9	2.2	1.2	--	0.14	0.08
pH (Field)	-	--	--	6.87	6.6	6.82	--	5.7	5.9
Phosphate	mg/l	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	--	--	--	--	--	--
Temperature (Field)	deg c	--	15	9.5	5	5	--	11	10
Total Dissolved Solids	mg/l	--	500	400	430	480	460	392	468
Total Organic Carbon	mg/l	--	--	7.7	5.9	10.8	5.2	7.2	7.7
Total Suspended Solids	mg/l	--	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	--	--	--
Metals									
Aluminum, dissolved	mg/l	--	--	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.01	--	--	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	0.11	0.15	0.22	--	0.06	0.14
Cadmium, dissolved	mg/l	0.005	--	--	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	96	110	120	114	93	114
Chromium, dissolved	mg/l	0.05	--	--	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	18	11	45	10.6	2.13	12.3
Lead, dissolved	mg/l	0.01	--	--	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	22	23	30	26	19	23
Manganese, dissolved	mg/l	--	0.05	--	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	3.9	4.3	6.8	5	2	3
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [7]	14	16	22	17.5	9	8
Strontium, dissolved	mg/l	--	--	0.26	0.34	0.33	0.35	0.205	0.298
Sulfur	mg/l	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--
Phenols									
Phenolics, Total Recoverable	mg/l	--	--	0.0021	<0.001	0.013	<0.002	0.003	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2M 13-May-2002	90-2M 08-May-2003	90-2M 16-Apr-2004	90-2M 27-May-2005	90-2M 04-Jun-2006	90-2M 03-Jun-2008	90-2M 04-Jun-2009 Z-1
General Chemistry										
Alkalinity (Total as CaCO3)	mg/l	--	--	203	217	224	285	249	215	236
Ammonia Nitrogen	mg/l	--	--	0.05	0.05	<0.03	0.36	0.08	0.21	0.03
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	<1	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	6	6	9	<5	8	9	10
Chloride	mg/l	--	250	14	12	14.2	13	7	6	13
Color	color unit	--	5	4	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	450	569	440	450	825	497	532
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	278	291	288.4	319	286	279	287
Nitrate	mg/l	-- [3]	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [4]	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	0.55	0.22	0.15	0.49	0.44	0.68	0.12
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.5	--	--	--	--	--	--
pH (Field)	-	--	--	6.2	6.4	6.9	7.1	6.9	7.1	6.94
Phosphate	mg/l	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	--	--	--	--	--	--	--
Temperature (Field)	deg c	--	15	10	11	8.9	8	8	11	12.0
Total Dissolved Solids	mg/l	--	500	--	370	286	419	358	323	351
Total Organic Carbon	mg/l	--	--	--	3.6	3.5	3.7	3.6	10.2	4.0
Total Suspended Solids	mg/l	--	--	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [6]	6.2	--	--	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	--	--	--	--
Metals										
Aluminum, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.01	--	--	--	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	<0.05	<0.05	0.04	0.06	0.07	0.05	0.04
Cadmium, dissolved	mg/l	0.005	--	--	--	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	85	92	87.4	98	88	87	87
Chromium, dissolved	mg/l	0.05	--	--	--	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	0.69	0.25	2.29	0.34	0.56	0.29
Lead, dissolved	mg/l	0.01	--	--	--	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	16	15	16.9	18	16	15	17
Manganese, dissolved	mg/l	--	0.05	--	--	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	1	1	<1	2	1	2	2
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [7]	3	6	5.6	8	6	6	6
Strontium, dissolved	mg/l	--	--	0.177	0.245	0.188	0.243	0.186	0.22	0.180
Sulfur	mg/l	--	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Phenols										
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	0.001	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2M 27-May-2010 B-3	90-2M 10-May-2011 A-24	90-2M 24-May-2012 90-2M	90-2M 06-Jun-2013 S-57	90-2M 18-Jun-2014 90-2M	90-2M 11-Jun-2015 90-2M	90-2M 14-Jun-2016 S-96
General Chemistry										
Alkalinity (Total as CaCO3)	mg/l	--	--	225	228	243	242	239	253	306
Ammonia Nitrogen	mg/l	--	--	0.05	<0.02	0.02	0.11	0.15	<0.05	0.098
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	15	5	10	13	<5	15	15
Chloride	mg/l	--	250	9	6	6	6	8	10	9
Color	color unit	--	5	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	540	504	541	562	515	560	520
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	272	272	269	296	293	317	338
Nitrate	mg/l	-- [3]	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [4]	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	0.87	0.11	0.23	0.29	0.29	0.19	0.32
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--	--	--
pH (Field)	-	--	--	6.6	7.06	6.94	6.8	7.00	6.9	7.10
Phosphate	mg/l	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	--	--	--	--	--	--	--
Temperature (Field)	deg c	--	15	13	11.0	12.2	12	13.1	12	13
Total Dissolved Solids	mg/l	--	500	346	311	335	348	334	359	389
Total Organic Carbon	mg/l	--	--	6.5	3.4	3.7	3.5	3.5	4.1	3.4
Total Suspended Solids	mg/l	--	--	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	--	--	--	--
Metals										
Aluminum, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.01	--	--	--	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	0.04	0.03	0.04	0.03	0.04	0.05	0.19
Cadmium, dissolved	mg/l	0.005	--	--	--	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	84	84	83	92	91	99	99
Chromium, dissolved	mg/l	0.05	--	--	--	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	0.08	0.10	0.28	0.17	0.21	0.18	1.02
Lead, dissolved	mg/l	0.01	--	--	--	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	15	15	15	16	16	17	22
Manganese, dissolved	mg/l	--	0.05	--	--	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	2	2	2	2	3	2	3
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [7]	7	5	6	4	4	5	8
Strontium, dissolved	mg/l	--	--	0.241	0.168	0.215	0.199	0.177	0.187	1.53
Sulfur	mg/l	--	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Phenols										
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2M 14-Jun-2017 90-2M	90-2M 14-Jun-2018 90-2M	90-2M 18-Jun-2019 90-2M	90-2M 28-May-2020 90-2M
General Chemistry							
Alkalinity (Total as CaCO3)	mg/l	--	--	290	264	231	253
Ammonia Nitrogen	mg/l	--	--	0.08	0.05	<0.010	0.020
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	13	<5	14	11
Chloride	mg/l	--	250	9	7	10	5
Color	color unit	--	5	--	--	--	--
Conductivity (Field)	uS/cm	--	--	535	605	616	435
Cyanide	mg/l	0.2	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	310	291	277	261
Nitrate	mg/l	-- [3]	--	--	--	--	--
Nitrite	mg/l	-- [4]	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.8	<0.8	0.23	0.342
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--
pH (Field)	-	--	--	7.2	7.2	7.1	6.93
Phosphate	mg/l	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	--	--	--	--
Temperature (Field)	deg c	--	15	12	12	13	12.1
Total Dissolved Solids	mg/l	--	500	370	308	318	317
Total Organic Carbon	mg/l	--	--	3.9	8.1	3.6	3.2
Total Suspended Solids	mg/l	--	--	--	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	--
Metals							
Aluminum, dissolved	mg/l	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.01	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	0.14	0.06	0.03	0.04
Cadmium, dissolved	mg/l	0.005	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	91	92	88	83
Chromium, dissolved	mg/l	0.05	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--	--
Iron, dissolved	mg/l	--	0.3	0.79	0.20	0.08	0.04
Lead, dissolved	mg/l	0.01	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	20	15	14	13
Manganese, dissolved	mg/l	--	0.05	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	2	2	2	2
Silicon, dissolved	mg/l	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [7]	7	4	4	4
Strontium, dissolved	mg/l	--	--	1.34	0.137	0.172	0.177
Sulfur	mg/l	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--	--
Phenols							
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2S 18-Apr-1990	90-2S 10-Aug-1990	90-2S 06-Nov-1990	90-2S 18-Apr-1991	90-2S 12-Sep-1991	90-2S 20-Nov-1991	90-2S 05-May-1992
General Chemistry										
Alkalinity (Total as CaCO3)	mg/l	--	--	920	1480	1520	1050	470	1600	890
Ammonia Nitrogen	mg/l	--	--	56.7	125	147	59	110	140	50
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	23	20	27	8	24	22	13
Bromide	mg/l	--	--	<0.5	<0.5	<0.5	1.8	2.9	3.5	1.4
Chemical Oxygen Demand	mg/l	--	--	126	--	--	220	308	270	160
Chloride	mg/l	--	250	277	603	674	330	580	820	210
Color	color unit	--	5	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	2600	4600	5000	2900	4200	5000	1025
Cyanide	mg/l	0.2	--	<0.01	<0.01	<0.01	<0.001	--	<0.001	<0.001
Fluoride	mg/l	1.5	--	0.28	0.46	0.24	0.4	1	0.45	0.41
Hardness, Calcium Carbonate	mg/l	--	--	670	858	982	630	828	912	667
Nitrate	mg/l	-- [3]	--	0.95	2.37	0.6	<0.1	0.34	0.6	0.19
Nitrite	mg/l	-- [4]	--	<0.1	<0.1	<0.1	<1	0.005	<0.005	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	67.5	129	147	72	170	160	57
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	13	60	20	7
pH (Field)	-	--	--	6.5	6.4	6.58	6.7	6.6	6.5	6.3
Phosphate	mg/l	--	--	0.14	0.46	0.7	<0.2	<0.2	<0.2	0.12
Phosphorus	mg/l	--	--	0.18	<0.1	<0.1	<0.5	<0.5	<0.5	0.53
Sulphate	mg/l	--	500 [5]	--	8	<3	3	11	12	4.2
Temperature (Field)	deg c	--	15	5	14	9.5	5.55	16.1	11.1	11
Total Dissolved Solids	mg/l	--	500	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--
Total Suspended Solids	mg/l	--	--	--	--	--	490	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	19	--	--	--
Metals										
Aluminum, dissolved	mg/l	--	--	<0.03	0.02	<0.03	0.05	<0.05	<0.05	<0.05
Arsenic, dissolved	mg/l	0.01	--	**0.04**	<0.01	<0.01	<0.001	0.0005	0.001	0.001
Barium, dissolved	mg/l	1	--	0.47	0.33	0.39	0.301	0.489	0.583	0.3
Beryllium, dissolved	mg/l	--	--	0.09	<0.01	<0.01	<0.0005	<0.0005	<0.0005	<0.005
Boron, dissolved	mg/l	5	--	<0.01	1.7	1.89	0.977	1.66	1.76	0.84
Cadmium, dissolved	mg/l	0.005	--	<0.002	<0.002	<0.002	<0.0001	<0.1	<0.0001	0.0007
Calcium, dissolved	mg/l	--	--	151	183	182	167	178	187	160
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, dissolved	mg/l	--	--	<0.02	0.02	<0.02	<0.05	<0.05	<0.05	<0.05
Copper, dissolved	mg/l	--	1	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, dissolved	mg/l	--	0.3	52	0.09	0.11	51.7	69.6	59.3	61
Lead, dissolved	mg/l	0.01	--	**0.017**	<0.002	<0.002	<0.05	<0.05	<0.05	<0.05
Magnesium, dissolved	mg/l	--	--	71	97	128	66.7	93.2	108	65
Manganese, dissolved	mg/l	--	0.05	0.91	0.49	0.31	0.78	0.39	0.34	0.88
Molybdenum, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.5
Nickel, dissolved	mg/l	--	--	0.03	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05
Potassium, dissolved	mg/l	--	--	53	121	173	57.8	95	107	43
Silicon, dissolved	mg/l	--	--	7.3	9.3	7.6	8.11	11.4	11.2	6.7
Silver, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005
Sodium, dissolved	mg/l	--	200 [7]	182	446	487	229	375	447	180
Strontium, dissolved	mg/l	--	--	0.72	1.11	0.98	0.697	0.972	1.01	0.64
Sulfur	mg/l	--	--	113	4	4	--	--	--	--
Thallium, dissolved	mg/l	--	--	<0.01	0.18	<0.01	--	--	--	--
Titanium, dissolved	mg/l	--	--	0.08	<0.01	<0.01	<0.005	0.006	0.006	<0.005
Vanadium, dissolved	mg/l	--	--	0.05	0.12	<0.01	0.011	0.016	0.008	0.04
Zinc, dissolved	mg/l	--	5	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Phenols										
Phenolics, Total Recoverable	mg/l	--	--	0.013	0.019	0.01	0.0055	0.0225	0.021	0.0115

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2S 19-Aug-1992	90-2S 18-Nov-1992	90-2S 16-May-1994	90-2S 25-Apr-1995	90-2S 07-May-1996	90-2S 25-Sep-1996
General Chemistry									
Alkalinity (Total as CaCO3)	mg/l	--	--	1700	1100	1000	720	680	690
Ammonia Nitrogen	mg/l	--	--	130	91	23	18	9.59	26
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	20	6	38	7	<6	7.8
Bromide	mg/l	--	--	3.8	2.5	<0.1	<0.1	<0.1	0.3
Chemical Oxygen Demand	mg/l	--	--	380	170	160	90	34	97
Chloride	mg/l	--	250	690	500	40	61	32	39
Color	color unit	--	5	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	5100	3600	1400	1700	1100	1400
Cyanide	mg/l	0.2	--	<0.001	0.002	0.003	<0.002	<0.005	<0.005
Fluoride	mg/l	1.5	--	0.49	0.26	0.66	<0.1	0.71	0.29
Hardness, Calcium Carbonate	mg/l	--	--	970	860	570	830	650	460
Nitrate	mg/l	-- [3]	--	0.13	<0.1	<0.1	<0.1	<0.05	0.22
Nitrite	mg/l	-- [4]	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	160	130	25	23	12	27
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	<0.2	<0.2	<0.15	<0.32
Nitrogen, Organic	mg/l	--	--	30	39	2	5	2.41	1
pH (Field)	-	--	--	6.6	6.5	6.8	6.7	6.7	6.6
Phosphate	mg/l	--	--	<0.1	<0.1	0.26	--	--	--
Phosphorus	mg/l	--	--	<0.1	0.25	0.89	--	<1	<0.2
Sulphate	mg/l	--	500 [5]	2.4	230	3.9	34	19	38
Temperature (Field)	deg c	--	15	9	9	8.5	8	4.5	9.5
Total Dissolved Solids	mg/l	--	500	--	--	850	1000	640	720
Total Organic Carbon	mg/l	--	--	--	--	19	16	30	25
Total Suspended Solids	mg/l	--	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	--	--	--
Metals									
Aluminum, dissolved	mg/l	--	--	<0.05	0.07	<0.05	0.38	<0.1	<0.1
Arsenic, dissolved	mg/l	0.01	--	0.0007	0.0008	<0.002	<0.002	<0.005	<0.005
Barium, dissolved	mg/l	1	--	0.6	0.49	0.25	0.35	0.15	0.23
Beryllium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01
Boron, dissolved	mg/l	5	--	1.9	1.2	0.01	1.2	0.29	0.65
Cadmium, dissolved	mg/l	0.005	--	<0.0002	0.001	0.0006	<0.005	<0.00008	<0.00008
Calcium, dissolved	mg/l	--	--	190	190	146	230	156	140
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
Cobalt, dissolved	mg/l	--	--	<0.05	<0.01	<0.01	<0.01	<0.09	<0.09
Copper, dissolved	mg/l	--	1	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
Iron, dissolved	mg/l	--	0.3	51	84	60	82	43	40
Lead, dissolved	mg/l	0.01	--	<0.05	<0.05	0.007	**0.029**	<0.0006	<0.0006
Magnesium, dissolved	mg/l	--	--	120	94	49	58	48	38
Manganese, dissolved	mg/l	--	0.05	0.34	0.57	0.69	0.99	0.78	0.47
Molybdenum, dissolved	mg/l	--	--	<0.5	<0.3	<0.3	<0.3	<0.04	<0.04
Nickel, dissolved	mg/l	--	--	<0.05	0.01	<0.01	<0.01	<0.03	<0.03
Potassium, dissolved	mg/l	--	--	110	87	18	24	11	18
Silicon, dissolved	mg/l	--	--	8.4	11	--	6.4	--	--
Silver, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	0.038	<0.02	<0.02
Sodium, dissolved	mg/l	--	200 [7]	460	250	51	74	45	48
Strontium, dissolved	mg/l	--	--	1.1	0.96	0.44	0.61	0.39	0.42
Sulfur	mg/l	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	<0.05	0.05	<0.002	<1
Titanium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	<0.005	0.01	<0.005	0.009	<0.01	<0.01
Zinc, dissolved	mg/l	--	5	<0.01	0.01	<0.01	0.04	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	--	<0.1	<0.1	<0.01	<0.01
Phenols									
Phenolics, Total Recoverable	mg/l	--	--	0.0115	0.009	0.004	0.007	0.0062	0.011

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2S 08-May-1997	90-2S 30-May-2000	90-2S 22-May-2001	90-2S 13-May-2002	90-2S 08-May-2003	90-2S 16-Apr-2004
General Chemistry									
Alkalinity (Total as CaCO3)	mg/l	--	--	460	756	721	513	651	464
Ammonia Nitrogen	mg/l	--	--	4.4	8.77	11.2	5.96	4.73	8.1
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	--	--	7	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	27	68	67	37	67	42
Chloride	mg/l	--	250	14	20	19	24	18	29.2
Color	color unit	--	5	--	--	--	11	--	--
Conductivity (Field)	uS/cm	--	--	670	1000	1050	--	1510	750
Cyanide	mg/l	0.2	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	430	714	634	533	931	427
Nitrate	mg/l	-- [3]	--	--	--	--	--	--	--
Nitrite	mg/l	-- [4]	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	5.9	8.8	12.4	8.64	6.85	8.09
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	1.5	0.03	1.2	2.68	--	--
pH (Field)	-	--	--	7	5.7	5.8	--	6.4	6.4
Phosphate	mg/l	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	--	--	--	--	--	--
Temperature (Field)	deg c	--	15	6.5	12	12	--	14	7
Total Dissolved Solids	mg/l	--	500	460	764	748	--	982	478
Total Organic Carbon	mg/l	--	--	11	20.6	13.1	--	16.8	4.4
Total Suspended Solids	mg/l	--	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	85.6	--	--
Volatile Suspended Solids	%	--	--	--	--	--	--	--	--
Metals									
Aluminum, dissolved	mg/l	--	--	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.01	--	--	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	0.14	0.38	0.22	0.38	0.41	0.18
Cadmium, dissolved	mg/l	0.005	--	--	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	120	210	181	159	292	122
Chromium, dissolved	mg/l	0.05	--	--	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	22	51.8	13.7	--	52.3	21.8
Lead, dissolved	mg/l	0.01	--	--	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	32	46	44	33	49	29.3
Manganese, dissolved	mg/l	--	0.05	--	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	5.2	9	8	6	7	6.8
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [7]	24	34	34	20	25	27.2
Strontium, dissolved	mg/l	--	--	0.29	0.447	0.286	0.322	0.494	0.275
Sulfur	mg/l	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--
Phenols									
Phenolics, Total Recoverable	mg/l	--	--	0.0016	0.005	0.012	--	0.007	0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2S 27-May-2005	90-2S 04-Jun-2006	90-2S 15-May-2007	90-2S 03-Jun-2008	90-2S 04-Jun-2009 Z-3	90-2S 14-Jul-2009 90-2s	90-2S 27-May-2010 B-2
General Chemistry										
Alkalinity (Total as CaCO3)	mg/l	--	--	592	1140	267	579	579	--	609
Ammonia Nitrogen	mg/l	--	--	7.12	4.84	0.47	3.52	2.32	0.84	2.07
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	35	34	10	35	35	19	35
Chloride	mg/l	--	250	18	8	11	13	6	--	8
Color	color unit	--	5	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	900	1015	695	1180	1049	--	1100
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	562	608	311	675	545	--	619
Nitrate	mg/l	-- [3]	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [4]	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	9.4	8.25	0.96	3.97	2.78	1.41	2.71
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--	--	--
pH (Field)	-	--	--	6.9	6.7	7	6.8	6.83	--	6.8
Phosphate	mg/l	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	--	--	--	--	--	--	--
Temperature (Field)	deg c	--	15	8	9	0	14	11.2	--	11
Total Dissolved Solids	mg/l	--	500	735	761	385	767	696	--	754
Total Organic Carbon	mg/l	--	--	12.3	11.5	4.7	13.4	10.6	8.4	13.2
Total Suspended Solids	mg/l	--	--	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	--	--	--	--
Metals										
Aluminum, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.01	--	--	--	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	0.3	0.51	0.06	0.5	0.29	--	0.42
Cadmium, dissolved	mg/l	0.005	--	--	--	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	169	184	95	211	164	--	192
Chromium, dissolved	mg/l	0.05	--	--	--	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	32.9	1.28	0.05	29.1	9.24	--	22.5
Lead, dissolved	mg/l	0.01	--	--	--	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	34	36	18	36	33	--	34
Manganese, dissolved	mg/l	--	0.05	--	--	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	8	7	2	6	5	--	5
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [7]	21	17	8	19	13	--	15
Strontium, dissolved	mg/l	--	--	0.457	0.409	0.202	0.412	0.388	--	0.457
Sulfur	mg/l	--	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Phenols										
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2S 10-May-2011 A-23	90-2S 24-May-2012 90-2S	90-2S 06-Jun-2013 S-58	90-2S 18-Jun-2014 90-2S	90-2S 11-Jun-2015 90-2S	90-2S 14-Jun-2017 90-2S
General Chemistry									
Alkalinity (Total as CaCO3)	mg/l	--	--	558	651	621	595	626	549
Ammonia Nitrogen	mg/l	--	--	4.09	2.32	0.74	2.12	0.25	1.92
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	30	32	39	29	45	44
Chloride	mg/l	--	250	13	8	7	9	10	9
Color	color unit	--	5	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	1068	--	575	1069	1030	580
Cyanide	mg/l	0.2	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	553	612	692	632	752	585
Nitrate	mg/l	-- [3]	--	--	--	--	--	--	--
Nitrite	mg/l	-- [4]	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	4.82	3.24	1.57	2.56	1.29	6.6
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--	--
pH (Field)	-	--	--	6.59	--	6.9	6.65	6.6	7.6
Phosphate	mg/l	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	--	--	--	--	--	--
Temperature (Field)	deg c	--	15	8.7	--	13	13.3	13	13
Total Dissolved Solids	mg/l	--	500	647	754	780	702	806	676
Total Organic Carbon	mg/l	--	--	9.6	12.4	10.8	10.1	10.7	16.8
Total Suspended Solids	mg/l	--	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	--	--	--
Metals									
Aluminum, dissolved	mg/l	--	--	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.01	--	--	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	0.21	0.42	0.63	0.35	0.46	0.31
Cadmium, dissolved	mg/l	0.005	--	--	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	167	184	203	192	227	175
Chromium, dissolved	mg/l	0.05	--	--	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	27.6	6.44	0.10	8.45	0.08	4.12
Lead, dissolved	mg/l	0.01	--	--	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	33	37	45	37	45	36
Manganese, dissolved	mg/l	--	0.05	--	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	6	5	5	6	4	6
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [7]	16	15	16	15	12	13
Strontium, dissolved	mg/l	--	--	0.331	0.459	0.434	0.424	0.467	0.428
Sulfur	mg/l	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--
Phenols									
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	0.002	<0.002	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2S 08-Jun-2018 [8] 90-2S	90-2S 18-Jun-2019 90-2S	90-2S 28-May-2020 [9] 90-2S	90-2S 23-Jun-2021 90-2S	90-2S 14-Sept-2021 90-2S
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--	--	--	436	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	0.546	--	--	--
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	8	--	--	--
Chloride	mg/l	--	250	--	9	--	--	--
Color	color unit	--	5	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	715	--	--	--
Cyanide	mg/l	0.2	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	--	473	--	--	--
Nitrate	mg/l	-- [3]	--	--	--	--	--	--
Nitrite	mg/l	-- [4]	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.14	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
pH (Field)	-	--	--	--	7.2	--	--	--
Phosphate	mg/l	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	--	--	--	--	--
Temperature (Field)	deg c	--	15	--	13	--	--	--
Total Dissolved Solids	mg/l	--	500	--	525	--	--	--
Total Organic Carbon	mg/l	--	--	--	5.3	--	--	--
Total Suspended Solids	mg/l	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	--	--
Metals								
Aluminum, dissolved	mg/l	--	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.01	--	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.14	--	--	--
Cadmium, dissolved	mg/l	0.005	--	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	150	--	--	--
Chromium, dissolved	mg/l	0.05	--	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	0.90	--	--	--
Lead, dissolved	mg/l	0.01	--	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	24	--	--	--
Manganese, dissolved	mg/l	--	0.05	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	3	--	--	--
Silicon, dissolved	mg/l	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [7]	--	5	--	--	--
Strontium, dissolved	mg/l	--	--	--	0.334	--	--	--
Sulfur	mg/l	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--
Phenols								
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	--	--	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-3M 18-Apr-1990	90-3M 11-Aug-1990	90-3M 06-Nov-1990	90-3M 18-Apr-1991	90-3M 03-Sep-1991	90-3M 14-Nov-1991	90-3M 05-May-1992
General Chemistry										
Alkalinity (Total as CaCO3)	mg/l	--	--	640	520	640	664	600	680	770
Ammonia Nitrogen	mg/l	--	--	3.51	0.3	<0.1	1.3	1.4	1.7	1.2
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	4	2	3	17	7	4	<3
Bromide	mg/l	--	--	1.6	<0.5	2.4	0.72	0.69	0.63	0.65
Chemical Oxygen Demand	mg/l	--	--	21	--	--	84	145	36	110
Chloride	mg/l	--	250	152	157	153	150	130	140	120
Color	color unit	--	5	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	1600	1600	1700	1450	1300	1525	1100
Cyanide	mg/l	0.2	--	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001
Fluoride	mg/l	1.5	--	0.13	<0.02	0.08	0.25	0.39	0.27	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	798	565	711	660	587	644	767
Nitrate	mg/l	-- [3]	--							
Nitrite as N	mg/l	1.0	--	<0.1	<0.1	0.16	<0.5	0.03	0.014	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	4.2	2.21	0.5	2.6	2.2	3	3.8
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	1.3	0.8	1.3	2.6
pH (Field)	-	--	--	9.6	7.2	6.99	7.17	7.3	7.1	6.9
Phosphate	mg/l	--	--	0.17	0.52	0.43	<0.2	<0.2	<0.1	<0.1
Phosphorus	mg/l	--	--	0.36	0.3	<0.1	<0.5	<0.5	<0.5	5
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	21	--	36	20	21	21	14
Temperature (Field)	deg c	--	15	7	14	9	7.8	13.3	8.3	11
Total Dissolved Solids	mg/l	--	500	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--	--
Metals										
Aluminum, dissolved	mg/l	--	--	<0.03	0.03	<0.03	0.12	<0.05	<0.005	<0.05
Arsenic, dissolved	mg/l	0.01	--	**0.03**	<0.01	<0.01	<0.001	0.0004	0.0004	<0.001
Barium, dissolved	mg/l	1	--	0.46	0.41	0.36	0.335	0.33	0.301	0.39
Beryllium, dissolved	mg/l	--	--	0.09	<0.01	<0.01	<0.0005	<0.0005	<0.0005	<0.005
Boron, dissolved	mg/l	5	--	<0.01	0.13	0.18	0.162	0.18	0.15	0.2
Cadmium, dissolved	mg/l	0.005	--	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	0.0002
Calcium, dissolved	mg/l	--	--	171	134	174	160	147	155	180
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, dissolved	mg/l	--	--	<0.02	<0.01	<0.02	<0.05	<0.05	<0.05	<0.05
Copper, dissolved	mg/l	--	1	<0.002	0.03	0.01	0.01	0.01	<0.01	<0.01
Hexavalent Chromium	mg/l	--	--	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	0.05	0.07	<0.01	0.2	0.12	0.15	0.15
Lead, dissolved	mg/l	0.01	--	<0.002	<0.002	<0.002	<0.05	<0.05	<0.05	<0.05
Magnesium, dissolved	mg/l	--	--	90	56	67	66.2	58.5	62.4	77
Manganese, dissolved	mg/l	--	0.05	0.41	0.85	0.32	0.21	0.3	0.36	0.3
Molybdenum, dissolved	mg/l	--	--	<0.01	<0.01	0.03	<0.2	<0.2	<0.2	<0.5
Nickel, dissolved	mg/l	--	--	0.03	0.03	<0.01	<0.05	<0.05	<0.05	<0.05
Potassium, dissolved	mg/l	--	--	5	6	6	2.6	4	4	4.2
Silicon, dissolved	mg/l	--	--	13.6	12.4	12.4	14.1	13.5	12.4	13
Silver, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005
Sodium, dissolved	mg/l	--	200 [7]	89	73	112	109	132	86.7	140
Strontium, dissolved	mg/l	--	--	2.5	2.8	2.42	2.64	2.57	2.59	3
Sulfur	mg/l	--	--	14	15	16	--	--	--	--
Thallium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	--	--	--	--
Titanium, dissolved	mg/l	--	--	0.08	0.01	<0.01	0.009	<0.005	<0.005	<0.005
Vanadium, dissolved	mg/l	--	--	0.06	0.14	<0.01	<0.0005	<0.005	<0.005	0.02
Zinc, dissolved	mg/l	--	5	0.2	0.09	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Phenols										
Phenolics, Total Recoverable	mg/l	--	--	<0.002	<0.002	<0.002	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-3M 18-Aug-1992	90-3M 19-Nov-1992	90-3M 25-May-1993	90-3M 01-Sep-1993	90-3M 24-Nov-1993	90-3M 16-May-1994
General Chemistry									
Alkalinity (Total as CaCO3)	mg/l	--	--	720	610	750	850	740	540
Ammonia Nitrogen	mg/l	--	--	1.3	0.98	0.6	0.74	0.83	<0.5
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	4	6	<3	4	5	<3
Bromide	mg/l	--	--	0.92	0.51	0.52	0.72	0.64	0.51
Chemical Oxygen Demand	mg/l	--	--	45	30	30	42	39	19
Chloride	mg/l	--	250	150	120	190	160	190	15
Color	color unit	--	5	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	1350	1300	1500	1500	1300	1150
Cyanide	mg/l	0.2	--	<0.001	0.003	<0.002	<0.002	<0.002	<0.002
Fluoride	mg/l	1.5	--	0.19	0.28	0.17	<0.1	<0.1	0.34
Hardness, Calcium Carbonate	mg/l	--	--	810	680	690	710	870	600
Nitrate	mg/l	-- [3]	--						
Nitrite as N	mg/l	1.0	--	<0.1	<0.1	0.015	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	1.9	2	1.4	1.4	1	1.6
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	0.765	<0.52	<0.48	<0.2
Nitrogen, Organic	mg/l	--	--	0.6	1.02	0.8	0.7	0.17	<1.6
pH (Field)	-	--	--	7	7.2	7	7.2	7.4	6.8
Phosphate	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	0.55	1.6	1.3	<0.1	<0.1	0.35
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	12	14	8.3	7.8	7.5	17
Temperature (Field)	deg c	--	15	7	8	8	12	9	9
Total Dissolved Solids	mg/l	--	500	--	--	1100	980	940	690
Total Organic Carbon	mg/l	--	--	--	--	7.9	11	7.6	3.3
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--
Metals									
Aluminum, dissolved	mg/l	--	--	0.12	0.09	<0.05	0.06	0.05	<0.1
Arsenic, dissolved	mg/l	0.01	--	<0.0001	0.0009	<0.0005	<0.002	<0.002	0.003
Barium, dissolved	mg/l	1	--	0.38	0.31	0.33	0.36	0.33	0.25
Beryllium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, dissolved	mg/l	5	--	0.2	0.16	0.084	0.2	0.2	0.15
Cadmium, dissolved	mg/l	0.005	--	0.0025	<0.0002	0.0005	<0.005	0.0005	0.0004
Calcium, dissolved	mg/l	--	--	200	160	170	170	230	142
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, dissolved	mg/l	--	--	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Copper, dissolved	mg/l	--	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexavalent Chromium	mg/l	--	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	0.23	0.34	<0.05	<0.05	<0.05	0.6
Lead, dissolved	mg/l	0.01	--	<0.05	<0.05	**0.02**	<0.01	0.005	0.003
Magnesium, dissolved	mg/l	--	--	76	65	65	69	74	60
Manganese, dissolved	mg/l	--	0.05	0.41	0.32	<0.005	0.15	0.3	0.27
Molybdenum, dissolved	mg/l	--	--	<0.5	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel, dissolved	mg/l	--	--	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, dissolved	mg/l	--	--	4.5	4.3	3.1	4.9	<2	<2
Silicon, dissolved	mg/l	--	--	11	13	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, dissolved	mg/l	--	200 [7]	110	71	90	120	81	45
Strontium, dissolved	mg/l	--	--	3	2.9	2.7	2.8	2.5	2.5
Sulfur	mg/l	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	<0.05	<0.05	<0.05	<0.05
Titanium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	0.016	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	<0.1
Phenols									
Phenolics, Total Recoverable	mg/l	--	--	<0.0005	<0.0005	0.002	0.003	0.002	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-3M 23-Sep-1994	90-3M 25-Apr-1995	90-3M 20-Sep-1995	90-3M 26-Sep-1996	90-3M 07-May-1997	90-3M 24-Sep-1997	90-3M 12-May-1998
General Chemistry										
Alkalinity (Total as CaCO3)	mg/l	--	--	630	650	770	620	460	640	660
Ammonia Nitrogen	mg/l	--	--	<0.1	<0.1	0.22	0.38	<0.1	0.5	0.31
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	<3	<3	<3	4.1	<2	2	4
Bromide	mg/l	--	--	0.53	0.43	0.55	0.53	0.62	0.27	0.62
Chemical Oxygen Demand	mg/l	--	--	32	34	41	10	7	33	14
Chloride	mg/l	--	250	81	130	96	96	100	110	120
Color	color unit	--	5	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	1050	1550	1300	980	940	1400	1250
Cyanide	mg/l	0.2	--	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	<0.1	<0.1	<0.1	0.22	0.17	0.87	0.12
Hardness, Calcium Carbonate	mg/l	--	--	640	790	580	400	580	530	720
Nitrate	mg/l	-- [3]	--							
Nitrite as N	mg/l	1.0	--	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	0.81	1.2	1.8	1.7	0.37	2.3	2.4
Nitrogen, Nitrate-Nitrite	mg/l	--	--	<1.65	<0.81	<0.52	<0.47	<0.87	<0.46	<0.6
Nitrogen, Organic	mg/l	--	--	<0.81	<1.2	1.58	1.32	<0.37	1.8	2.09
pH (Field)	-	--	--	7.1	7	7.4	7.1	7.2	7.4	7.41
Phosphate	mg/l	--	--	<0.1	--	--	--	--	--	--
Phosphorus	mg/l	--	--	<0.1	--	--	<0.2	<0.2	<0.2	<0.2
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	7.3	4.6	10	15	11	15	5.3
Temperature (Field)	deg c	--	15	11	8	10	6	7	10	8
Total Dissolved Solids	mg/l	--	500	880	910	780	340	650	860	420
Total Organic Carbon	mg/l	--	--	5.8	4.8	5.8	11	9.1	23	24
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--	--
Metals										
Aluminum, dissolved	mg/l	--	--	<0.05	<0.05	0.08	0.13	0.59	<0.05	0.13
Arsenic, dissolved	mg/l	0.01	--	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005
Barium, dissolved	mg/l	1	--	0.3	0.35	0.27	0.27	0.28	0.24	0.35
Beryllium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.01	<0.001	<0.001	<0.001
Boron, dissolved	mg/l	5	--	<0.05	0.06	0.16	0.35	0.14	0.12	0.17
Cadmium, dissolved	mg/l	0.005	--	0.0005	<0.005	<0.005	<0.00008	<0.00008	<0.00008	<0.00008
Calcium, dissolved	mg/l	--	--	150	200	140	140	140	130	180
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02
Cobalt, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.09	<0.05	<0.05	<0.05
Copper, dissolved	mg/l	--	1	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02
Hexavalent Chromium	mg/l	--	--	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	<0.05	<0.05	<0.05	0.1	1	<0.05	0.19
Lead, dissolved	mg/l	0.01	--	**0.026**	**0.021**	0.006	<0.0006	<0.0006	<0.0006	<0.0006
Magnesium, dissolved	mg/l	--	--	61	71	55	54	56	51	68
Manganese, dissolved	mg/l	--	0.05	0.09	0.074	0.097	0.36	0.09	0.25	0.33
Molybdenum, dissolved	mg/l	--	--	<0.3	<0.3	<0.3	<0.04	<0.02	<0.02	<0.02
Nickel, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.03	<0.01	<0.01	<0.01
Potassium, dissolved	mg/l	--	--	4.3	<2	3.5	3.2	2.5	2.3	3.5
Silicon, dissolved	mg/l	--	--	--	15	--	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.02	<0.01	<0.01	<0.01
Sodium, dissolved	mg/l	--	200 [7]	82	110	57	60	72	41	93
Strontium, dissolved	mg/l	--	--	2.7	2.9	2.5	2.5	2.5	2.5	2.8
Sulfur	mg/l	--	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	<0.05	<0.05	<0.05	<1	<0.1	<0.1	<0.1
Titanium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.01	0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01
Zinc, dissolved	mg/l	--	5	<0.01	<0.05	0.02	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	<0.1	<0.1	<0.1	<0.01	<0.02	<0.02	<0.02
Phenols										
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	0.0022	<0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-3M 21-Sep-1998	90-3M 04-May-1999	90-3M 03-Oct-1999	90-3M 26-May-2000	90-3M 15-May-2001	90-3M 15-May-2002
General Chemistry									
Alkalinity (Total as CaCO3)	mg/l	--	--	670	530	588	505	488	498
Ammonia Nitrogen	mg/l	--	--	0.72	0.49	0.4	0.58	0.58	0.73
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	8	<2	3	5	5	3
Bromide	mg/l	--	--	0.65	0.39	<0.35	0.43	<0.05	0.38
Chemical Oxygen Demand	mg/l	--	--	15	9	--	<4	11	5
Chloride	mg/l	--	250	120	83	121	80	83	74
Color	color unit	--	5	--	--	--	--	--	5
Conductivity (Field)	uS/cm	--	--	1200	1050	--	1000	900	1150
Cyanide	mg/l	0.2	--	<0.005	<0.005	--	0.02	<0.005	<0.005
Fluoride	mg/l	1.5	--	0.19	0.19	0.5	0.31	0.88	0.68
Hardness, Calcium Carbonate	mg/l	--	--	630	560	596.53	563	495	579
Nitrate	mg/l	-- [3]	--						
Nitrite as N	mg/l	1.0	--	<0.1	<0.1	<0.1	--	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	0.87	1.5	0.7	0.58	0.7	1.15
Nitrogen, Nitrate-Nitrite	mg/l	--	--	<0.29	<0.57	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	1.01	0.3	--	0.12	0.42
pH (Field)	-	--	--	7.3	7.35	--	6.9	7.1	6.8
Phosphate	mg/l	--	--	--	--	--	0.03	--	<0.03
Phosphorus	mg/l	--	--	<0.2	<0.2	<0.06	--	0.83	0.66
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	7.5	12	954	15	28	17
Temperature (Field)	deg c	--	15	8	5	--	8	8.5	9
Total Dissolved Solids	mg/l	--	500	850	680	769	672	632	--
Total Organic Carbon	mg/l	--	--	5	5.1	3.7	3.4	4	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--	>100
Metals									
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	0.039	<0.05	<0.05	<0.05
Arsenic, dissolved	mg/l	0.01	--	<0.005	<0.005	<0.002	<0.0001	0.001	0.001
Barium, dissolved	mg/l	1	--	0.35	0.25	--	0.21	0.22	0.18
Beryllium, dissolved	mg/l	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002
Boron, dissolved	mg/l	5	--	0.19	<0.05	--	0.1	0.11	0.11
Cadmium, dissolved	mg/l	0.005	--	<0.00008	<0.00008	<0.0002	<0.005	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	160	130	143	133	114	141
Chromium, dissolved	mg/l	0.05	--	<0.02	<0.02	<0.005	<0.01	0.01	0.006
Cobalt, dissolved	mg/l	--	--	<0.05	<0.05	<0.005	<0.01	<0.0002	0.0007
Copper, dissolved	mg/l	--	1	<0.02	<0.02	<0.003	<0.01	<0.001	0.001
Hexavalent Chromium	mg/l	--	--	--	--	--	--	--	<0.05
Iron, dissolved	mg/l	--	0.3	0.6	0.5	0.163	0.81	0.2	1.26
Lead, dissolved	mg/l	0.01	--	<0.0006	<0.0006	<0.002	<0.002	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	61	56	58.3	56	51	55
Manganese, dissolved	mg/l	--	0.05	0.4	0.27	0.139	0.26	0.25	0.23
Molybdenum, dissolved	mg/l	--	--	<0.02	<0.02	<0.006	<0.01	<0.01	<0.01
Nickel, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	--	<0.01	<0.01
Potassium, dissolved	mg/l	--	--	3.3	2.7	2	2	2	2
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.01	<0.01	<0.007	0.03	0.0017	<0.0001
Sodium, dissolved	mg/l	--	200 [7]	79	50	67.9	39	33	36
Strontium, dissolved	mg/l	--	--	2.9	2.5	2.66	2.26	2.57	2.52
Sulfur	mg/l	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	<0.1	<0.1	<0.05	<0.2	<0.001	<0.001
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.003	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	<0.01	<0.01	0.006	<0.01	0.002	0.002
Zinc, dissolved	mg/l	--	5	<0.01	0.01	0.303	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	<0.02	<0.02	<0.003	<0.004	<0.01	0.005
Phenols									
Phenolics, Total Recoverable	mg/l	--	--	<0.001	0.002	<0.002	<0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-3M 09-May-2003	90-3M 14-Apr-2004	90-3M 27-May-2005	90-3M 30-May-2006	90-3M 14-May-2007	90-3M 04-Jun-2008
General Chemistry									
Alkalinity (Total as CaCO3)	mg/l	--	--	554	542	476	640	474	470
Ammonia Nitrogen	mg/l	--	--	0.84	0.32	0.65	1.32	0.47	0.51
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	4	0.6	<1	2	<1	<1
Bromide	mg/l	--	--	0.59	<0.5	0.52	0.45	0.18	0.33
Chemical Oxygen Demand	mg/l	--	--	13	12	<5	9	<5	7
Chloride	mg/l	--	250	90	86.8	73	99	76	79
Color	color unit	--	5	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	1240	840	750	1000	940	1070
Cyanide	mg/l	0.2	--	<0.005	<0.001	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	0.25	0.3	0.34	<0.1	0.3	0.29
Hardness, Calcium Carbonate	mg/l	--	--	600	518.7	522	586	511	528
Nitrate	mg/l	-- [3]	--						
Nitrite as N	mg/l	1.0	--	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	1.05	0.69	0.79	2.67	0.58	0.71
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--	--
pH (Field)	-	--	--	6.7	6.8	7.6	7.3	7.2	7.6
Phosphate	mg/l	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.05	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	0.11	--	0.1	0.12	0.06	0.01
Sulphate	mg/l	--	500 [5]	10	12	12	5	13	14
Temperature (Field)	deg c	--	15	10	6	8	13	11	11
Total Dissolved Solids	mg/l	--	500	806	628	702	890	663	696
Total Organic Carbon	mg/l	--	--	4.7	3.9	3.4	6.2	3.6	4.2
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--
Metals									
Aluminum, dissolved	mg/l	--	--	<0.01	<0.005	<0.01	<0.01	0.13	<0.01
Arsenic, dissolved	mg/l	0.01	--	<0.001	0.002	0.002	<0.001	0.002	0.003
Barium, dissolved	mg/l	1	--	0.22	0.234	0.28	0.33	0.2	0.2
Beryllium, dissolved	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, dissolved	mg/l	5	--	0.1	0.106	0.1	0.12	0.11	0.1
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	161	124	130	144	124	129
Chromium, dissolved	mg/l	0.05	--	0.01	<0.005	0.001	0.004	0.003	0.006
Cobalt, dissolved	mg/l	--	--	0.0007	0.0004	0.0004	0.0007	0.001	0.0005
Copper, dissolved	mg/l	--	1	<0.001	<0.0005	<0.001	0.001	<0.001	0.001
Hexavalent Chromium	mg/l	--	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	0.99	2.92	0.65	0.15	0.87	1.63
Lead, dissolved	mg/l	0.01	--	<0.001	0.0006	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	48	50.6	48	55	49	50
Manganese, dissolved	mg/l	--	0.05	0.256	0.259	0.18	0.3	0.2	0.22
Molybdenum, dissolved	mg/l	--	--	<0.005	0.001	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	<0.005	0.002	<0.005	0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	2	2.1	2	3	2	2
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [7]	45	35.1	31	60	31	31
Strontium, dissolved	mg/l	--	--	3.02	2.4	2.51	2.71	2.42	2.45
Sulfur	mg/l	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	<0.001	<0.00005	<0.0001	<0.0001	0.0006	<0.0001
Titanium, dissolved	mg/l	--	--	<0.01	<0.005	<0.01	<0.01	0.01	<0.01
Vanadium, dissolved	mg/l	--	--	0.003	0.0005	0.005	0.006	0.003	0.006
Zinc, dissolved	mg/l	--	5	<0.005	0.007	<0.01	<0.01	<0.01	0.02
Zirconium, dissolved	mg/l	--	--	<0.01	<0.001	<0.01	<0.001	<0.001	<0.01
Phenols									
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-3M 08-Jun-2009 J-1	90-3M 14-May-2010 [10] C-19	90-3M 06-May-2011 [11] L-6	90-3M 25-May-2012 [12] 90-3M	90-3M 05-Jun-2013 [13] S-34	90-3M 18-Jun-2014 90-3M
General Chemistry									
Alkalinity (Total as CaCO3)	mg/l	--	--	527	482	530	557	485	512
Ammonia Nitrogen	mg/l	--	--	0.56	0.58	0.69	0.75	0.49	0.67
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	6	7	6	7	5	3
Bromide	mg/l	--	--	0.48	0.33	0.72	0.40	1.15	0.34
Chemical Oxygen Demand	mg/l	--	--	15	63	50	25	19	120
Chloride	mg/l	--	250	85	81	79	85	81	78
Color	color unit	--	5	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	1036	1144	1183	1205	1025	1072
Cyanide	mg/l	0.2	--	<0.005	<0.01	<0.01	<0.002	<0.005	<0.005
Fluoride	mg/l	1.5	--	0.30	0.31	0.26	0.34	0.27	0.32
Hardness, Calcium Carbonate	mg/l	--	--	593	531	535	536	541	576
Nitrate	mg/l	-- [3]	--	--	--	--	--	--	--
Nitrite as N	mg/l	1.0	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	0.68	0.97	0.77	0.95	0.68	0.91
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--	--
pH (Field)	-	--	--	7.25	7.3	7.43	7.10	7.0	7.43
Phosphate	mg/l	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sulphate	mg/l	--	500 [5]	10	12	10	9	10	9
Temperature (Field)	deg c	--	15	10	10.7	10.7	10.2	13	10.7
Total Dissolved Solids	mg/l	--	500	774	708	748	786	715	741
Total Organic Carbon	mg/l	--	--	5.6	4.0	4.7	5.2	4.1	3.9
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--
Metals									
Aluminum, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic, dissolved	mg/l	0.01	--	<0.001	<0.01	<0.01	<0.01	<0.01	0.001
Barium, dissolved	mg/l	1	--	0.19	0.24	0.23	0.25	0.21	0.23
Beryllium, dissolved	mg/l	--	--	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	0.10	0.09	0.11	0.10	0.09	0.10
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	145	130	130	129	131	140
Chromium, dissolved	mg/l	0.05	--	0.005	0.003	0.002	<0.005	0.002	<0.001
Cobalt, dissolved	mg/l	--	--	0.0005	0.0005	0.0007	0.0005	0.0005	0.0004
Copper, dissolved	mg/l	--	1	<0.001	0.002	0.003	<0.001	<0.001	0.002
Hexavalent Chromium	mg/l	--	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	0.31	0.59	1.07	<0.03	2.91	0.56
Lead, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	56	50	51	52	52	55
Manganese, dissolved	mg/l	--	0.05	0.21	0.22	0.25	0.19	0.25	0.23
Molybdenum, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	3	2	2	2	2	3
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [7]	41	33	37	40	36	40
Strontium, dissolved	mg/l	--	--	2.35	2.56	2.33	2.52	2.55	2.53
Sulfur	mg/l	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	0.009	0.006	0.003	0.005	0.001	<0.001
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Phenols									
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-3M 03-Jun-2015 90-3m	90-3M 25-May-2016 S-48	90-3M 14-Jun-2017 90-3M	90-3M 06-Jun-2018 90-3M	90-3M 18-Jun-2019 90-3M	90-3M 28-May-2020 90-3M	90-3M 23-Jun-2021 90-3M
General Chemistry										
Alkalinity (Total as CaCO3)	mg/l	--	--	473	506	481	473	471	508	--
Ammonia Nitrogen	mg/l	--	--	0.44	0.513	0.46	0.08	0.376	0.449	--
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	5	5	4	7	11	4	--
Bromide	mg/l	--	--	0.29	<0.25	<0.25	0.35	0.33	<0.25	--
Chemical Oxygen Demand	mg/l	--	--	54	40	31	15	21	33	--
Chloride	mg/l	--	250	75	73	91	80	77	76	--
Color	color unit	--	5	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	1020	1016	990	990	966	943	--
Cyanide	mg/l	0.2	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Fluoride	mg/l	1.5	--	0.33	0.31	0.29	0.33	0.30	0.29	--
Hardness, Calcium Carbonate	mg/l	--	--	549	529	545	528	534	514	--
Nitrate	mg/l	-- [3]	--	--	--	--	--	--	--	--
Nitrite as N	mg/l	1.0	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	--
Nitrogen, Total Kjeldahl	mg/l	--	--	0.67	0.54	1.7	2.5	1.20	1.10	--
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--	--	--
pH (Field)	-	--	--	7.4	7.3	7.3	7.4	7.4	6.91	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	0.02	0.01	<0.03	<0.03	<0.0030	<0.010	--
Sulphate	mg/l	--	500 [5]	11	11	15	10	12	12	--
Temperature (Field)	deg c	--	15	11	11	13	12.0	13	11.7	--
Total Dissolved Solids	mg/l	--	500	715	689	682	682	689	689	--
Total Organic Carbon	mg/l	--	--	2.8	4.2	6.1	13.5	4.2	3.1	--
Turbidity	ntu	--	5 [6]	--	--	--	--	--	--	--
Metals										
Aluminum, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Arsenic, dissolved	mg/l	0.01	--	0.002	0.002	0.001	0.002	0.001	0.001	--
Barium, dissolved	mg/l	1	--	0.23	0.20	0.23	0.21	0.22	0.27	--
Beryllium, dissolved	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Boron, dissolved	mg/l	5	--	0.12	0.10	0.10	0.09	0.10	0.10	--
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	--
Calcium, dissolved	mg/l	--	--	131	126	131	124	133	130	--
Chromium, dissolved	mg/l	0.05	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Cobalt, dissolved	mg/l	--	--	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	--
Copper, dissolved	mg/l	--	1	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	--
Hexavalent Chromium	mg/l	--	--	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	1.95	0.99	1.14	2.32	1.34	0.78	--
Lead, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Magnesium, dissolved	mg/l	--	--	54	52	53	53	49	46	--
Manganese, dissolved	mg/l	--	0.05	0.24	0.24	0.22	0.21	0.21	0.22	--
Molybdenum, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Nickel, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Potassium, dissolved	mg/l	--	--	2	2	3	2	2	2	--
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	--
Sodium, dissolved	mg/l	--	200 [7]	34	32	30	33	27	29	--
Strontium, dissolved	mg/l	--	--	2.55	2.57	2.58	2.53	2.76	2.81	--
Sulfur	mg/l	--	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	--
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Vanadium, dissolved	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Zirconium, dissolved	mg/l	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--
Phenols										--
Phenolics, Total Recoverable	mg/l	--	--	<0.002	<0.001	0.006	<0.001	<0.001	<0.001	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-3S 18-Apr-1990	90-3S 11-Aug-1990	90-3S 05-Nov-1990	90-3S 18-Apr-1991	90-3S 03-Sep-1991	90-3S 14-Nov-1991	90-3S 06-May-1992
General Chemistry										
Alkalinity, Carbonate as CaCO3	mg/l	--	--	564	860	--	710	210	980	890
Ammonia Nitrogen	mg/l	--	--	34.7	38.4	53.5	33	49	60	37
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	6	11	--	3	4	5	10
Bromide	mg/l	--	--	<0.5	<0.5	<0.5	0.59	0.78	0.75	0.6
Chemical Oxygen Demand	mg/l	--	--	47	--	--	69	93	77	77
Chloride	mg/l	--	250	49	116	113	86	110	130	88
Color	color unit	--	5	--	--	23	--	--	--	--
Conductivity	uS/cm	--	--	1300	1900	2200	1500	1900	2350	1750
Cyanide	mg/l	0.2	--	<0.01	<0.01	--	<0.001	<0.001	<0.001	<0.001
Fluoride	mg/l	1.5	--	0.13	0.04	0.03	0.11	0.17	0.28	0.11
Hardness, Calcium Carbonate	mg/l	--	--	563	559	823	560	597	775	758
Nitrate	mg/l	-- [3]	--	0.37	0.96	0.54	<0.1	0.11	0.16	<0.1
Nitrite	mg/l	-- [4]	--	<0.1	<0.1	<0.1	<0.5	0.02	0.019	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	39	63.6	53.8	43	57	72	45
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	10	8	12	8
pH	-	--	--	6.6	6.6	7.2	4.85	6.6	6.6	6.2
Phosphate	mg/l	--	--	0.12	0.36	0.33	<0.2	0.14	<0.1	<0.1
Phosphorus	mg/l	--	--	0.23	0.2	<0.1	<0.5	<0.5	<0.5	<0.1
Sulphate	mg/l	--	500 [5]	70	5	21	4.6	7.4	63	11
Temperature	deg c	--	15	6	14	9	7.8	17.2	8.3	10
Total Dissolved Solids	mg/l	--	500	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--
Total Suspended Solids	mg/l	--	--	--	--	--	160	--	--	--
Turbidity	ntu	--	5 [6]	--	--	>100	--	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--	31	--	--	--
Metals										
Aluminum, dissolved	mg/l	--	--	<0.03	0.01	<0.03	<0.05	<0.05	0.05	<0.05
Arsenic, dissolved	mg/l	0.01	--	**0.03**	<0.01	<0.01	<0.001	0.0017	0.0015	<0.001
Barium, dissolved	mg/l	1	--	0.21	0.25	0.25	0.227	0.358	0.314	0.26
Beryllium, dissolved	mg/l	--	--	0.08	<0.01	<0.01	<0.0005	<0.0005	<0.0005	<0.005
Boron, dissolved	mg/l	5	--	<0.01	0.74	0.68	0.42	0.75	0.67	0.49
Cadmium, dissolved	mg/l	0.005	--	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	0.0002
Calcium, dissolved	mg/l	--	--	133	138	234	166	171	220	200
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, dissolved	mg/l	--	--	<0.02	<0.01	<0.02	<0.05	<0.05	<0.05	<0.05
Copper, dissolved	mg/l	--	1	<0.002	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, dissolved	mg/l	--	0.3	5.4	0.05	<0.01	57.4	58.3	53.9	65
Lead, dissolved	mg/l	0.01	--	<0.002	0.009	0.008	<0.05	<0.05	<0.05	<0.05
Magnesium, dissolved	mg/l	--	--	56	52	58	46.8	41.2	54.8	63
Manganese, dissolved	mg/l	--	0.05	0.64	0.82	1.2	0.91	0.76	1.36	1
Molybdenum, dissolved	mg/l	--	--	<0.01	<0.01	0.02	<0.2	<0.2	<0.2	<0.5
Nickel, dissolved	mg/l	--	--	0.02	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05
Potassium, dissolved	mg/l	--	--	27	90	39	20.3	26	28	22
Silicon, dissolved	mg/l	--	--	4.9	11.1	8.3	8.56	11	11.3	10
Silver, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005
Sodium, dissolved	mg/l	--	200 [7]	48	94	89	62.6	88.6	111	71
Strontium, dissolved	mg/l	--	--	0.56	1.04	0.98	0.69	0.995	1.02	0.77
Sulfur	mg/l	--	--	9.6	<3	12	--	--	--	--
Thallium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	--	--	--	--
Titanium, dissolved	mg/l	--	--	0.08	0.09	<0.01	<0.005	<0.005	0.006	<0.005
Vanadium, dissolved	mg/l	--	--	0.04	0.17	<0.01	0.012	0.008	0.009	0.04
Zinc, dissolved	mg/l	--	5	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--	--
Phenols										
Phenolics, Total Recoverable	mg/l	--	--	0.007	0.014	0.011	0.0065	0.011	0.005	0.006

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-3S 18-Aug-1992	90-3S 26-Apr-1995	90-3S 07-May-1997
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/l	--	--	820	550	380
Ammonia Nitrogen	mg/l	--	--	38	2	0.19
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	5	5	<2
Bromide	mg/l	--	--	0.87	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	83	51	8
Chloride	mg/l	--	250	110	13	9.3
Color	color unit	--	5	--	--	--
Conductivity	uS/cm	--	--	1900	950	550
Cyanide	mg/l	0.2	--	<0.001	<0.002	<0.005
Fluoride	mg/l	1.5	--	0.23	<0.1	0.12
Hardness, Calcium Carbonate	mg/l	--	--	830	780	400
Nitrate	mg/l	-- [3]	--	0.13	0.24	1.5
Nitrite	mg/l	-- [4]	--	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	45	3.3	0.92
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	<0.34	<1.6
Nitrogen, Organic	mg/l	--	--	7	1.3	0.73
pH	-	--	--	6.4	7	7.2
Phosphate	mg/l	--	--	<0.1	--	--
Phosphorus	mg/l	--	--	0.21	--	<0.2
Sulphate	mg/l	--	500 [5]	8.6	130	21
Temperature	deg c	--	15	9	7	5
Total Dissolved Solids	mg/l	--	500	--	680	460
Total Organic Carbon	mg/l	--	--	--	6.7	7.3
Total Suspended Solids	mg/l	--	--	--	--	--
Turbidity	ntu	--	5 [6]	--	--	--
Volatile Suspended Solids	%	--	--	--	--	--
Metals						
Aluminum, dissolved	mg/l	--	--	0.06	<0.05	<0.05
Arsenic, dissolved	mg/l	0.01	--	0.0013	<0.002	<0.005
Barium, dissolved	mg/l	1	--	0.34	0.12	0.08
Beryllium, dissolved	mg/l	--	--	<0.005	<0.005	<0.001
Boron, dissolved	mg/l	5	--	0.88	0.1	<0.05
Cadmium, dissolved	mg/l	0.005	--	0.0025	<0.005	<0.00008
Calcium, dissolved	mg/l	--	--	240	250	130
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.02
Cobalt, dissolved	mg/l	--	--	<0.05	<0.01	<0.05
Copper, dissolved	mg/l	--	1	<0.01	<0.01	<0.02
Iron, dissolved	mg/l	--	0.3	58	3.9	0.18
Lead, dissolved	mg/l	0.01	--	<0.05	**0.015**	<0.0006
Magnesium, dissolved	mg/l	--	--	56	36	18
Manganese, dissolved	mg/l	--	0.05	1.1	0.93	0.19
Molybdenum, dissolved	mg/l	--	--	<0.5	<0.3	<0.02
Nickel, dissolved	mg/l	--	--	<0.05	<0.01	<0.01
Potassium, dissolved	mg/l	--	--	30	6.4	2.5
Silicon, dissolved	mg/l	--	--	9	6.8	--
Silver, dissolved	mg/l	--	--	<0.005	<0.005	<0.01
Sodium, dissolved	mg/l	--	200 [7]	100	22	15
Strontium, dissolved	mg/l	--	--	1	0.65	0.34
Sulfur	mg/l	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	<0.05	<0.1
Titanium, dissolved	mg/l	--	--	<0.005	<0.005	<0.01
Vanadium, dissolved	mg/l	--	--	<0.005	<0.005	<0.01
Zinc, dissolved	mg/l	--	5	0.02	0.02	<0.01
Zirconium, dissolved	mg/l	--	--	--	<0.1	<0.02
Phenols						
Phenolics, Total Recoverable	mg/l	--	--	0.0005	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-6S 29-Apr-1991	91-6S 04-Sep-1991	91-6S 13-Nov-1991	91-6S 05-May-1992	91-6S 18-Aug-1992	91-6S 19-Nov-1992	91-6S 20-May-1993	91-6S 31-Aug-1993	91-6S 25-Nov-1993	91-6S 16-May-1994
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	1020	220	800	550	410	410	470	470	560	1000
Ammonia Nitrogen	mg/l	--	--	0.25	0.12	0.26	0.23	0.24	0.23	<0.1	<0.1	<0.1	<0.5
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	5	<3	<3	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	70	109	53	14	24	5.7	82	20	10	5
Chloride	mg/l	--	250	7.6	17	11	7.9	7.8	5.3	3.7	5	2.3	39
Colour	color u	--	5										
Conductivity (Field)	uS/cm	--	--	680	425	575	600	600	600	625	490	650	675
Cyanide	mg/l	0.2	--	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.002	<0.002	<0.002	0.003
Fluoride	mg/l	1.5	--	0.13	0.39	0.28	0.11	0.17	0.2	0.15	0.14	0.16	0.13
Hardness, Calcium Carbonate	mg/l	--	--	325	274	297	368	340	390	400	380	430	410
Nitrate	mg/l	-- [3]	--	<0.1	0.16	0.13	0.12	0.11	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrite	mg/l	-- [4]	--	<0.1	0.022	0.02	<0.1	<0.1	<0.1	<0.005	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	0.78	0.3	0.69	0.6	0.37	0.29	0.32	0.16	0.14	1.5
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--	<0.105	<0.2	<0.2	<0.2
Nitrogen, Organic	mg/l	--	--	0.53	0.28	0.43	0.37	0.13	0.06	<0.32	<0.16	<0.14	<1.5
pH (Field)	-	--	--	7.55	8.2	7.8	7.2	7.6	7.5	7	7.2	7.5	6.8
Phosphate	mg/l	--	--	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	<0.5	<0.5	<0.5	6.9	4.4	1.3	<0.1	1.5	1.4	<0.1
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	63	41	43	52	49	55	59	53	60	53
Temperature (Field)	deg c	--	15	4.4	10.6	7.8	10	9	8	7	12	8	7.5
Total Dissolved Solids	mg/l	--	500	--	--	--	--	--	--	430	400	390	450
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	<0.35	5.6	0.71	1.4
Turbidity	ntu	--	--										
Volatile Suspended Solids	%	--	--										
Metals													
Aluminum, dissolved	mg/l	--	--	<0.05	<0.05	0.05	<0.05	0.06	0.06	<0.05	0.06	<0.05	<0.05
Arsenic, dissolved	mg/l	0.01	--	<0.001	0.0012	0.0015	<0.001	0.0003	0.001	<0.0005	<0.002	0.005	<0.002
Barium, dissolved	mg/l	1	--	0.105	0.111	0.131	0.11	0.12	0.14	0.13	0.13	0.12	0.14
Beryllium, dissolved	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, dissolved	mg/l	5	--	<0.005	0.01	0.01	<0.05	0.05	0.05	<0.05	<0.05	<0.05	<0.05
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.005	0.00046	0.0004
Calcium, dissolved	mg/l	--	--	64.4	54.5	60.4	73	71	81	82	78	90	85
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, dissolved	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Copper, dissolved	mg/l	--	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, dissolved	mg/l	--	0.3	1.34	0.13	0.1	0.69	1.1	1.1	0.7	<0.05	0.29	0.33
Lead, dissolved	mg/l	0.01	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.027**	<0.01	0.001	0.001
Magnesium, dissolved	mg/l	--	--	40	33.6	35.4	45	40	45	47	46	48	48
Manganese, dissolved	mg/l	--	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.05	0.018	0.02	0.03
Molybdenum, dissolved	mg/l	--	--	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel, dissolved	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, dissolved	mg/l	--	--	2.7	2	3	2	<2	2.6	<2	2	<2	<2
Silicon, dissolved	mg/l	--	--	12.2	13.2	14.2	12	11	16	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sulfur	mg/l	--	--										
Sodium, dissolved	mg/l	--	200 [7]	9.5	6.7	5.8	6.7	8.2	<10	7	6.9	6	6.9
Strontium, dissolved	mg/l	--	--	0.248	0.412	0.32	0.31	0.3	0.28	0.29	0.2	0.25	0.25
Thallium, dissolved	mg/l	--	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05
Titanium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.1
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-6S 23-Sep-1994	91-6S 26-Apr-1995	91-6S 19-Sep-1995	91-6S 08-May-1996	91-6S 30-Sep-1996	91-6S 07-May-1997	91-6S 25-Sep-1997	91-6S 07-May-1998	91-6S 16-Sep-1998	91-6S 03-May-1999
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	360	420	460	350	360	380	320	330	450	340
Ammonia Nitrogen	mg/l	--	--	<0.1	<0.1	<0.1	<0.06	<0.06	<0.1	0.1	<0.1	<0.1	0.36
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	<3	<3	<3	<2	<2	<2	<2	<2	<2	<2
Bromide	mg/l	--	--	0.12	<0.1	<0.1	<0.05	0.11	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	<5	14	<5	<10	<5	<5	<5	<5	<5	<5
Chloride	mg/l	--	250	4.1	3.6	3.7	4.8	2.7	3.6	4.7	3.2	3.2	3
Colour	color u	--	5										
Conductivity (Field)	uS/cm	--	--	600	825	675	690	500	570	520	650	510	690
Cyanide	mg/l	0.2	--	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	0.1	<0.1	0.15	0.14	0.17	0.1	0.2	<0.1	0.13	0.11
Hardness, Calcium Carbonate	mg/l	--	--	360	420	360	420	410	180	380	400	390	390
Nitrate	mg/l	-- [3]	--	<0.1	0.13	<0.1	<0.05	0.21	0.23	<0.1	<0.1	<0.1	0.12
Nitrite	mg/l	-- [4]	--	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.1	2.1	0.94	<0.04	0.18	0.05	0.11	0.12	0.55	0.46
Nitrogen, Nitrate-Nitrite	mg/l	--	--	<0.2	<0.23	<1.1	<0.15	<0.31	<0.33	<0.1	<0.1	<0.2	<0.22
Nitrogen, Organic	mg/l	--	--	<0.1	<2.1	<0.94	<0.04	<0.18	<0.05	<0.11	<0.12	<0.55	0.1
pH (Field)	-	--	--	7.4	7.4	7.8	7.4	7.6	7.5	6.9	8.7	6.98	7.7
Phosphate	mg/l	--	--	<0.1	--	--	--	<0.3	--	--	--	--	--
Phosphorus	mg/l	--	--	0.12	--	--	<1	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [5]	36	38	38	53	80	59	59	56	69	59
Temperature (Field)	deg c	--	15	11.5	7	10	5	4.5	4	9	7.5	7.5	5
Total Dissolved Solids	mg/l	--	500	440	350	370	450	190	460	380	420	410	170
Total Organic Carbon	mg/l	--	--	1.3	0.8	1.3	17	12	5.6	<0.5	<0.5	<0.5	0.7
Turbidity	ntu	--	--										
Volatile Suspended Solids	%	--	--										
Metals													
Aluminum, dissolved	mg/l	--	--	<0.05	<0.05	0.28	<0.1	0.019	0.07	<0.05	0.07	0.07	<0.05
Arsenic, dissolved	mg/l	0.01	--	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium, dissolved	mg/l	1	--	0.11	0.12	0.11	<0.01	0.11	0.11	0.12	0.12	0.11	0.12
Beryllium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, dissolved	mg/l	5	--	<0.05	<0.05	<0.05	<0.05	0.019	<0.05	<0.05	<0.05	<0.05	<0.05
Cadmium, dissolved	mg/l	0.005	--	0.0005	<0.005	<0.005	<0.00008	<0.003	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Calcium, dissolved	mg/l	--	--	76	92	76	88	74	110	81	87	83	77
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.01	<0.02	<0.002	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt, dissolved	mg/l	--	--	<0.01	<0.01	0.01	<0.09	<0.009	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, dissolved	mg/l	--	1	<0.01	<0.01	<0.01	<0.02	<0.002	<0.02	<0.02	<0.02	<0.02	<0.02
Iron, dissolved	mg/l	--	0.3	<0.05	0.7	0.21	1.6	0.06	1.7	1.1	2.2	0.76	0.98
Lead, dissolved	mg/l	0.01	--	0.008	0.006	0.0055	<0.0006	<0.01	<0.0006	<0.0006	<0.0006	<0.0006	0.0011
Magnesium, dissolved	mg/l	--	--	42	47	42	46	46	43	43	45	44	47
Manganese, dissolved	mg/l	--	0.05	0.02	0.034	0.029	0.04	0.02	0.05	0.02	0.06	0.03	0.03
Molybdenum, dissolved	mg/l	--	--	<0.3	<0.3	<0.3	<0.04	<0.004	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.03	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, dissolved	mg/l	--	--	2.2	<2	2.6	1.1	1.9	<1	2	1.6	1.5	2
Silicon, dissolved	mg/l	--	--	--	17	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.005	0.085	<0.005	<0.02	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01
Sulfur	mg/l	--	--										
Sodium, dissolved	mg/l	--	200 [7]	7.2	7	6.6	6.7	5.4	5.1	5.5	5.8	6	5.9
Strontium, dissolved	mg/l	--	--	0.3	0.24	0.34	0.28	0.29	0.25	0.38	0.29	0.32	0.37
Thallium, dissolved	mg/l	--	--	<0.05	<0.05	<0.05	<0.002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium, dissolved	mg/l	--	--	<0.005	<0.005	0.011	<0.01	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.01	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	0.003	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	<0.1	<0.1	<0.1	<0.01	<0.001	<0.02	<0.02	<0.02	<0.02	<0.02
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	0.021	<0.0008	<0.001	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-6S 16-Sep-1999	91-6S 25-May-2000	91-6S 08-May-2001	91-6S 09-May-2002	91-6S 26-Apr-2003	91-6S 15-Apr-2004	91-6S 25-May-2005	91-6S 18-May-2006	91-6S 11-May-2007	91-6S 25-May-2008
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	304	358	353	357	349	365	376	374	353	349
Ammonia Nitrogen	mg/l	--	--	0.02	0.03	<0.02	0.03	0.02	<0.03	<0.02	<0.02	0.03	<0.02
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	<2	<1	--	<1	<1	<0.5	<1	<1	<1	<1
Bromide	mg/l	--	--	<0.35	<0.05	--	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.25
Chemical Oxygen Demand	mg/l	--	--	6	<4	<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/l	--	250	58.5	5	5	6	5	5.1	6	5	5	6
Colour	color u	--	5										
Conductivity (Field)	uS/cm	--	--	550	500	455	728	510	580	600	600	710	749
Cyanide	mg/l	0.2	--	<0.02	<0.02	--	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	<0.01	0.15	--	0.62	0.14	0.1	0.17	0.13	0.11	0.1
Hardness, Calcium Carbonate	mg/l	--	--	369.58	424	379	386	368	395.7	442	402	419	470
Nitrate	mg/l	-- [3]	--	<0.1	<0.1	--	<0.1	<0.1	<0.2	0.51	0.15	<0.1	<0.1
Nitrite	mg/l	-- [4]	--	<0.01	<0.1	--	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.005	<0.05	0.09	0.23	0.12	0.11	0.11	0.06	0.29	0.12
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	<0.05	0.09	0.2	--	--	--	--	--	--
pH (Field)	-	--	--	7.3	6.6	7.2	6.9	7	6.9	7	7.7	7.5	7.4
Phosphate	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	<0.06	--	--	<0.01	--	<0.05	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	0.12	--	0.13	0.09	0.06	<0.01
Sulphate	mg/l	--	500 [5]	47.5	60	--	60	65	66.1	47	62	52	69
Temperature (Field)	deg c	--	15	3.5	11	6.5	9	10	4	10	9	11	13
Total Dissolved Solids	mg/l	--	500	403	420	424	473	479	440	478	488	475	487
Total Organic Carbon	mg/l	--	--	0.7	0.9	2	0.5	0.9	1.6	0.7	0.9	1.1	1.4
Turbidity	ntu	--	--										
Volatile Suspended Solids	%	--	--										
Metals													
Aluminum, dissolved	mg/l	--	--	<0.025	<0.05	--	<0.05	<0.01	0.007	<0.01	<0.01	0.02	<0.01
Arsenic, dissolved	mg/l	0.01	--	<0.002	<0.001	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001
Barium, dissolved	mg/l	1	--	--	0.11	--	0.11	0.1	0.108	0.1	0.09	0.09	0.1
Beryllium, dissolved	mg/l	--	--	<0.001	<0.002	--	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, dissolved	mg/l	5	--	--	<0.01	<0.01	<0.05	<0.05	0.007	0.01	<0.01	0.02	<0.01
Cadmium, dissolved	mg/l	0.005	--	<0.0002	<0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	76	89	81	87	75	83.9	106	90	97	104
Chromium, dissolved	mg/l	0.05	--	<0.005	<0.01	--	<0.001	<0.001	<0.005	0.001	0.001	0.002	<0.001
Cobalt, dissolved	mg/l	--	--	<0.005	<0.01	--	0.0002	<0.0002	<0.0001	0.0008	0.0005	0.0007	0.0003
Copper, dissolved	mg/l	--	1	<0.003	<0.01	--	<0.001	<0.001	0.0007	0.039	0.003	0.001	0.004
Iron, dissolved	mg/l	--	0.3	0.57	1.1	1.5	0.97	0.2	0.1	0.02	<0.03	0.1	0.08
Lead, dissolved	mg/l	0.01	--	0.002	<0.001	--	<0.001	0.001	0.0007	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	43.8	49	43	41	44	45.2	43	43	43	51
Manganese, dissolved	mg/l	--	0.05	0.024	0.05	--	0.07	0.034	0.02	0.06	0.03	0.01	0.03
Molybdenum, dissolved	mg/l	--	--	<0.006	<0.01	--	<0.01	<0.005	0.002	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	<0.01	<0.01	--	<0.01	<0.005	0.004	0.017	0.009	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	1	2	2	2	2	1.7	2	2	2	2
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.007	<0.01	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sulfur	mg/l	--	--										
Sodium, dissolved	mg/l	--	200 [7]	13.5	--	5	4	6	4.8	6	6	8	4
Strontium, dissolved	mg/l	--	--	0.396	0.309	0.275	0.265	0.289	0.264	0.24	0.225	0.2	0.261
Thallium, dissolved	mg/l	--	--	<0.05	<0.2	--	<0.001	<0.001	<0.00005	<0.0001	<0.0001	0.0003	<0.0001
Titanium, dissolved	mg/l	--	--	<0.003	<0.01	--	<0.01	<0.01	<0.005	0.05	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	0.003	<0.01	--	<0.001	<0.001	0.0017	0.002	0.002	0.002	0.002
Zinc, dissolved	mg/l	--	5	0.088	<0.01	--	<0.01	<0.005	<0.005	0.06	0.02	<0.01	0.01
Zirconium, dissolved	mg/l	--	--	<0.003	<0.002	--	0.002	<0.001	<0.001	<0.01	<0.001	<0.001	<0.005
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-6S 05-Jun-2009 C-17	91-6S 11-May-2010 A-15	91-6S 10-May-2011 [11] A-17	91-6S 24-May-2012 [14] 91-6M
General Chemistry							
Alkalinity (Total as CaCO3)	mg/l	--	--	355	353	376	359
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	<0.02	<0.02
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	3	<1	2	3
Bromide	mg/l	--	--	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	5	5	<5	<5
Chloride	mg/l	--	250	6	8	8	6
Colour	color u	--	5				
Conductivity (Field)	uS/cm	--	--	685	764	757	747
Cyanide	mg/l	0.2	--	<0.005	<0.005	<0.01	<0.002
Fluoride	mg/l	1.5	--	<0.10	0.12	<0.10	0.1
Hardness, Calcium Carbonate	mg/l	--	--	403	460	469	425
Nitrate	mg/l	-- [3]	--	<0.10	0.15	<0.10	<0.10
Nitrite	mg/l	-- [4]	--	<0.10	0.18	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--
pH (Field)	-	--	--	7.34	7.53	7.43	7.43
Phosphate	mg/l	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	0.01	0.01	<0.01	<0.01
Sulphate	mg/l	--	500 [5]	65	65	60	62
Temperature (Field)	deg c	--	15	8.3	7.6	7.8	9.7
Total Dissolved Solids	mg/l	--	500	483	480	489	482
Total Organic Carbon	mg/l	--	--	2	1.3	1.7	1.1
Turbidity	ntu	--	--				
Volatile Suspended Solids	%	--	--				
Metals							
Aluminum, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01
Arsenic, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001
Barium, dissolved	mg/l	1	--	0.09	0.1	0.09	0.1
Beryllium, dissolved	mg/l	--	--	<0.001	<0.001	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	<0.01	<0.01	0.01	<0.01
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	87	100	102	91
Chromium, dissolved	mg/l	0.05	--	0.002	0.002	0.002	0.003
Cobalt, dissolved	mg/l	--	--	0.001	0.0008	0.0004	0.0007
Copper, dissolved	mg/l	--	1	<0.001	0.002	0.004	<0.001
Iron, dissolved	mg/l	--	0.3	0.18	<0.03	<0.03	0.13
Lead, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	45	51	52	48
Manganese, dissolved	mg/l	--	0.05	0.07	0.05	0.01	0.06
Molybdenum, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	2	2	2	2
Silicon, dissolved	mg/l	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001
Sulfur	mg/l	--	--				
Sodium, dissolved	mg/l	--	200 [7]	5	6	6	6
Strontium, dissolved	mg/l	--	--	0.259	0.283	0.247	0.274
Thallium, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	0.005	0.004	0.003	0.005
Zinc, dissolved	mg/l	--	5	<0.01	0.01	0.02	<0.01
Zirconium, dissolved	mg/l	--	--	<0.002	<0.002	<0.002	<0.002
Phenols							
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-6S 05-Jun-2013 S-40	91-6S 30-May-2014 91-6S	91-6S 28-May-2015 [15] 91-6S	91-6S 26-May-2016 [16] S-55	91-6S 08-Jun-2017 91-6S	91-6S 30-May-2018 91-6S	91-6S 06-Jun-2019 91-6S	91-6S 22-May-2020 91-6S	91-6S 25-Jun-2021 91-6S	91-6S 91-6S
General Chemistry													MIN
Alkalinity (Total as CaCO3)	mg/l	--	--	351	361	344	380	361	351	352	367	357	220
Ammonia Nitrogen	mg/l	--	--	0.08	0.03	<0.02	<0.025	0.08	0.18	0.022	<0.010	<0.010	
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	1	2	--	<1	<1	<1	<1	4	1	
Bromide	mg/l	--	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
Chemical Oxygen Demand	mg/l	--	--	17	6	7	12	<5	<5	<5	10	<5	
Chloride	mg/l	--	250	6	5	7	6	7	5	8	4	5	
Colour	color u	--	5										
Conductivity (Field)	uS/cm	--	--	760	741	732	820	784	780	765	785	520	
Cyanide	mg/l	0.2	--	<0.005	<0.005	0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Fluoride	mg/l	1.5	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Hardness, Calcium Carbonate	mg/l	--	--	452	442	453	434	420	419	401	412	408	180
Nitrate	mg/l	-- [3]	--	<0.10	<0.10	0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Nitrite	mg/l	-- [4]	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	0.12	<0.8	0.33	<0.8	<0.8	<0.15	0.309	0.212	
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--	--	--	--	
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--	--	--	--	--	
pH (Field)	-	--	--	7.4	7.47	7.63	7.6	7.5	7.5	7.5	7.5	7.8	
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--	--	--	
Phosphorus (dissolved reactive)	mg/l	--	--	<0.01	<0.01	--	<0.01	<0.03	<0.03	0.0032	<0.010	0.025	
Sulphate	mg/l	--	500 [5]	64	61	66	62	69	61	61	62	60	
Temperature (Field)	deg c	--	15	12	9.8	11.1	13	11	11	10	8	8.6	
Total Dissolved Solids	mg/l	--	500	488	481	479	473	476	467	434	469	457	
Total Organic Carbon	mg/l	--	--	0.9	1.1	1	0.6	2.1	0.91	1	0.9	0.7	
Turbidity	ntu	--	--										
Volatile Suspended Solids	%	--	--										
Metals													
Aluminum, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.02	<0.01	
Arsenic, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Barium, dissolved	mg/l	1	--	0.1	0.11	0.1	0.09	0.1	0.1	0.1	0.1	0.08	
Beryllium, dissolved	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Boron, dissolved	mg/l	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Calcium, dissolved	mg/l	--	--	97	93	94	93	89	92	83	89	86	
Chromium, dissolved	mg/l	0.05	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Cobalt, dissolved	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Copper, dissolved	mg/l	--	1	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Iron, dissolved	mg/l	--	0.3	0.22	0.12	0.15	0.07	0.29	0.18	0.05	0.26	0.09	
Lead, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Magnesium, dissolved	mg/l	--	--	51	51	53	49	48	46	47	46	47	
Manganese, dissolved	mg/l	--	0.05	0.02	0.02	0.01	<0.01	0.04	0.03	<0.01	0.02	0.03	
Molybdenum, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Nickel, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Potassium, dissolved	mg/l	--	--	2	2	2	2	2	2	1	2	2	
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--		
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Sulfur	mg/l	--	--										
Sodium, dissolved	mg/l	--	200 [7]	4	4	4	4	3	4	8	3	4	
Strontium, dissolved	mg/l	--	--	0.256	0.26	0.279	0.213	0.258	0.229	0.251	0.239	0.204	
Thallium, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Vanadium, dissolved	mg/l	--	--	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Zirconium, dissolved	mg/l	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.004	

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-6S 91-6S
General Chemistry				MAX
Alkalinity (Total as CaCO3)	mg/l	--	--	1020
Ammonia Nitrogen	mg/l	--	--	
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	
Bromide	mg/l	--	--	
Chemical Oxygen Demand	mg/l	--	--	
Chloride	mg/l	--	250	
Colour	color u	--	5	
Conductivity (Field)	uS/cm	--	--	
Cyanide	mg/l	0.2	--	
Fluoride	mg/l	1.5	--	
Hardness, Calcium Carbonate	mg/l	--	--	470
Nitrate	mg/l	-- [3]	--	
Nitrite	mg/l	-- [4]	--	
Nitrogen, Total Kjeldahl	mg/l	--	--	
Nitrogen, Nitrate-Nitrite	mg/l	--	--	
Nitrogen, Organic	mg/l	--	--	
pH (Field)	-	--	--	
Phosphate	mg/l	--	--	
Phosphorus	mg/l	--	--	
Phosphorus (dissolved reactive)	mg/l	--	--	
Sulphate	mg/l	--	500 [5]	
Temperature (Field)	deg c	--	15	
Total Dissolved Solids	mg/l	--	500	
Total Organic Carbon	mg/l	--	--	
Turbidity	ntu	--	--	
Volatile Suspended Solids	%	--	--	
Metals				
Aluminum, dissolved	mg/l	--	--	
Arsenic, dissolved	mg/l	0.01	--	
Barium, dissolved	mg/l	1	--	
Beryllium, dissolved	mg/l	--	--	
Boron, dissolved	mg/l	5	--	
Cadmium, dissolved	mg/l	0.005	--	
Calcium, dissolved	mg/l	--	--	
Chromium, dissolved	mg/l	0.05	--	
Cobalt, dissolved	mg/l	--	--	
Copper, dissolved	mg/l	--	1	
Iron, dissolved	mg/l	--	0.3	
Lead, dissolved	mg/l	0.01	--	
Magnesium, dissolved	mg/l	--	--	
Manganese, dissolved	mg/l	--	0.05	
Molybdenum, dissolved	mg/l	--	--	
Nickel, dissolved	mg/l	--	--	
Potassium, dissolved	mg/l	--	--	
Silicon, dissolved	mg/l	--	--	
Silver, dissolved	mg/l	--	--	
Sulfur	mg/l	--	--	
Sodium, dissolved	mg/l	--	200 [7]	
Strontium, dissolved	mg/l	--	--	
Thallium, dissolved	mg/l	--	--	
Titanium, dissolved	mg/l	--	--	
Vanadium, dissolved	mg/l	--	--	
Zinc, dissolved	mg/l	--	5	
Zirconium, dissolved	mg/l	--	--	
Phenols				
Phenolics, Total Recoverable	mg/l	--	--	

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-8 29-Apr-1991	91-8 06-May-1992	91-8 19-Nov-1992	91-8 19-May-1993	91-8 25-Nov-1993	91-8 16-May-1994	91-8 25-Apr-1995
General Chemistry										
Alkalinity, Carbonate as CaCO3	mg/l	--	--	330	920	400	600	350	470	380
Ammonia Nitrogen	mg/l	--	--	0.26	0.18	0.22	<0.1	<0.1	<0.5	<0.1
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	190	26	<5	87	<5	<3	19
Chloride	mg/l	--	250	2	6.7	11	4.4	16	38	4.3
Colour	color ut	--	5							
Conductivity	uS/cm	--	--	760	680	650	700	750	700	850
Cyanide	mg/l	0.2	--	<0.001	<0.001	0.002	<0.002	<0.002	<0.002	<0.002
Fluoride	mg/l	1.5	--	0.12	<0.1	0.19	<0.1	0.16	0.12	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	360	414	420	470	450	440	480
Nitrate	mg/l	-- [3]	--	6.1	2.1	0.13	2	<0.1	2.7	2.2
Nitrite	mg/l	-- [4]	--	0.11	<0.1	<0.1	0.016	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	4.3	1.3	0.26	0.49	2.6	2.9	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	2.016	<0.2	<2.8	<2.3
Nitrogen, Organic	mg/l	--	--	4.04	1.12	0.04	<0.49	<2.6	<2.9	<0.1
pH	-	--	--	7.28	7.2	7.1	7	7.4	6.8	7.2
Phosphate	mg/l	--	--	<0.2	<0.1	<0.1	1.1	<0.1	<0.1	--
Phosphorus	mg/l	--	--	<0.5	9.3	1.9	2.1	0.3	<0.1	--
Phosphorus (dissolved reactive)	mg/l	--	--							
Sulphate	mg/l	--	500 [5]	34	50	53	40	50	36	23
Temperature	deg c	--	15	4.4	9	8	9.5	8	7.5	6
Total Dissolved Solids	mg/l	--	500	--	--	--	560	420	440	460
Total Organic Carbon	mg/l	--	--	--	--	--	2.5	0.48	1.9	2.3
Turbidity	ntu	--	--							
Volatile Suspended Solids	%	--	--							
Metals										
Aluminum, dissolved	mg/l	--	--	<0.05	<0.05	0.06	0.06	0.05	<0.05	<0.05
Arsenic, dissolved	mg/l	0.01	--	<0.001	<0.001	0.0006	<0.0005	0.002	<0.002	<0.002
Barium, dissolved	mg/l	1	--	0.053	0.05	0.07	0.05	0.06	0.05	0.05
Beryllium, dissolved	mg/l	--	--	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, dissolved	mg/l	5	--	<0.005	<0.05	0.05	<0.05	<0.05	<0.05	<0.05
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0002	0.0006	<0.00015	0.0005	<0.005
Calcium, dissolved	mg/l	--	--	91.8	100	110	120	120	108	120
Chromium, dissolved	mg/l	0.05	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, dissolved	mg/l	--	--	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Copper, dissolved	mg/l	--	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, dissolved	mg/l	--	0.3	0.02	0.06	0.02	<0.05	<0.05	<0.05	<0.05
Lead, dissolved	mg/l	0.01	--	<0.05	<0.05	<0.05	**0.015**	0.002	0.002	0.006
Magnesium, dissolved	mg/l	--	--	35.8	40	37	42	39	41	42
Manganese, dissolved	mg/l	--	0.05	0.14	<0.01	<0.005	<0.005	0.007	<0.005	<0.005
Molybdenum, dissolved	mg/l	--	--	<0.2	<0.5	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel, dissolved	mg/l	--	--	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, dissolved	mg/l	--	--	1	1.4	3.1	1.3	<2	<2	<2
Silicon, dissolved	mg/l	--	--	6.29	6.4	7.5	--	--	--	7
Silver, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.019
Sulfur	mg/l	--	--							
Sodium, dissolved	mg/l	--	200 [7]	5.9	7.1	<10	5.5	5	5.2	6.4
Strontium, dissolved	mg/l	--	--	0.16	0.19	0.27	0.19	0.31	0.17	0.16
Thallium, dissolved	mg/l	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05
Titanium, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, dissolved	mg/l	--	--	<0.005	0.009	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	--	--	<0.01	<0.01	<0.1	<0.1
Phenols										
Phenolics, Total Recoverable	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-8 08-May-1996	91-8 07-May-1997	91-8 12-May-1998	91-8 21-Sep-1998	91-8 04-May-1999
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/l	--	--	445	390	320	310	340
Ammonia Nitrogen	mg/l	--	--	<0.06	<0.1	<0.1	<0.1	0.5
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	<2	<2	<2	4	<2
Bromide	mg/l	--	--	<0.1	0.12	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	<10	<5	<5	25	<5
Chloride	mg/l	--	250	7	4.4	2.8	3.4	2.4
Colour	color ur	--	5					
Conductivity	uS/cm	--	--	755	470	640	390	460
Cyanide	mg/l	0.2	--	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	<0.07	0.16	0.1	0.2	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	480	490	400	310	380
Nitrate	mg/l	-- [3]	--	8.6	7.9	2.3	<0.1	3.6
Nitrite	mg/l	-- [4]	--	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	0.56	0.95	0.47	2.5	0.55
Nitrogen, Nitrate-Nitrite	mg/l	--	--	<8.7	<8	<2.4	<0.2	<0.46
Nitrogen, Organic	mg/l	--	--	<0.56	<0.95	<0.47	<2.5	0.05
pH	-	--	--	7.6	7.6	7.48	--	7.4
Phosphate	mg/l	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	<0.2	<0.2	<0.2	<0.2	<0.2
Phosphorus (dissolved reactive)	mg/l	--	--					
Sulphate	mg/l	--	500 [5]	13	25	31	36	27
Temperature	deg c	--	15	5	5	8	--	3
Total Dissolved Solids	mg/l	--	500	510	490	410	320	420
Total Organic Carbon	mg/l	--	--	31	4.7	5.2	1.1	2.3
Turbidity	ntu	--	--					
Volatile Suspended Solids	%	--	--					
Metals								
Aluminum, dissolved	mg/l	--	--	0.1	0.08	0.21	0.05	<0.05
Arsenic, dissolved	mg/l	0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005
Barium, dissolved	mg/l	1	--	0.05	0.04	0.06	0.07	0.05
Beryllium, dissolved	mg/l	--	--	<0.01	<0.001	<0.0001	<0.001	<0.001
Boron, dissolved	mg/l	5	--	0.07	<0.05	<0.05	<0.05	<0.05
Cadmium, dissolved	mg/l	0.005	--	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Calcium, dissolved	mg/l	--	--	116	130	100	76	89
Chromium, dissolved	mg/l	0.05	--	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt, dissolved	mg/l	--	--	<0.09	<0.05	<0.05	<0.05	<0.05
Copper, dissolved	mg/l	--	1	<0.02	<0.02	<0.02	<0.02	<0.02
Iron, dissolved	mg/l	--	0.3	0.1	0.09	0.26	0.06	<0.05
Lead, dissolved	mg/l	0.01	--	<0.0006	<0.0006	<0.0006	<0.0006	0.0012
Magnesium, dissolved	mg/l	--	--	43	39	36	30	37
Manganese, dissolved	mg/l	--	0.05	0.01	<0.01	<0.01	0.04	<0.01
Molybdenum, dissolved	mg/l	--	--	<0.04	<0.02	<0.02	<0.02	<0.02
Nickel, dissolved	mg/l	--	--	<0.03	<0.01	<0.01	<0.01	<0.01
Potassium, dissolved	mg/l	--	--	1	<1	1.1	2.8	<1
Silicon, dissolved	mg/l	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	<0.02	<0.01	<0.01	<0.01	<0.01
Sulfur	mg/l	--	--					
Sodium, dissolved	mg/l	--	200 [7]	5.7	3.9	4.8	5.5	5.4
Strontium, dissolved	mg/l	--	--	0.16	0.15	0.18	0.45	0.14
Thallium, dissolved	mg/l	--	--	<0.002	<0.1	<0.1	<0.1	<0.1
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	0.01
Zirconium, dissolved	mg/l	--	--	<0.01	<0.02	<0.02	<0.02	<0.02
Phenols								
Phenolics, Total Recoverable	mg/l	--	--	0.002	<0.001	0.0013	<0.001	<0.001

Footnotes:	
	Tables should be read in conjunction with the accompanying document.
<	Indicates parameter not detected above laboratory method detection limit.
>	Indicates parameter detected above equipment analytical range.
--	Chemical not analyzed or criteria not defined.
Value	Parameter is greater than ODWQS(169/03)-Health
Value	Parameter is greater than ODWQS-AO
(1)	Ontario Drinking Water Quality Standards - Health Based Standards (June 2003, revised January 2020).
(2)	Ontario Drinking Water Quality Standards - Aesthetic Objectives. Aesthetic Objectives are established for parameters that may impair the taste, odour or colour of water or which may interfere with good water quality control practices. For certain parameters, both aesthetic objectives and health-related MACs have been derived (June 2003, revised July 2017).
(3)	Criteria exist for Nitrate as N
(4)	Criteria exist for Nitrite as N
(5)	There may be a laxative effect in some individuals when sulphate levels exceed 500 mg/L.
(6)	Applicable for all waters at the point of consumption.
(7)	The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.
(8)	Monitoring location was dry during this sampling event. No sample was collected.
(9)	Not enough water to sample. No sample collected.
(10)	Arsenic and Selenium MRL elevated due to matrix interference.
(11)	Cyanide was analysed at Exova Pointe Claire.
(12)	TOC and COD sample was not shaken prior to analysis due to sediment. Arsenic MRL elevated due to matrix interference.
(13)	Arsenic MRL elevated due to matrix interference (dilution was done). Phenols MRL elevated due to matrix interference (dilution was done).
(14)	Sample was subcontracted for cyanide analysis.
(15)	SPG analysis minus DRP, BOD was added July 20/15 as per client.
(16)	Cyanide-NA because no cyanide sample bottle was received.

APPENDIX 6
Inorganic Bedrock Groundwater Chemical Data 1985 – 1992
1993 – 2001
2002 – 2012
2013 – 2021

1985 – 1992

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	88-12D 19-Apr-1991	88-12D 29-Aug-1991
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	340	--
Ammonia Nitrogen	mg/l	--	--	--	1.2	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	4	<3
Bromide	mg/l	--	--	--	<0.1	--
Chemical Oxygen Demand	mg/l	--	--	--	23	--
Chloride	mg/l	--	250	--	18	55
Conductivity	uS/cm	--	--	--	500	900
Cyanide	mg/l	0.2	--	--	<0.001	--
Fluoride	mg/l	1.5	--	--	0.21	--
Hardness, Calcium Carbonate	mg/l	--	--	100	100	*570*
Nitrate	mg/l	-- [7]	--	--	0.11	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.2*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.4	--
pH	-	--	--	8.5	7.16	--
Phosphate	mg/l	--	--	--	<0.2	--
Phosphorus	mg/l	--	--	--	<0.5	--
Sulfate	mg/l	--	500 [9]	--	7	--
Temperature	deg c	--	15	--	6.7	12.8
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	--
Barium, Dissolved	mg/l	1	--	--	0.221	--
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	--
Boron, Dissolved	mg/l	5	--	--	0.044	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	--
Calcium, Dissolved	mg/l	--	--	--	82	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	--
Cobalt, Dissolved	mg/l	--	--	--	<0.05	--
Copper, Dissolved	mg/l	--	1	--	<0.01	--
Iron, Dissolved	mg/l	--	0.3	--	15	--
Lead, Dissolved	mg/l	0.01	--	--	<0.05	--
Magnesium, Dissolved	mg/l	--	--	--	27.9	--
Manganese, Dissolved	mg/l	--	0.05	--	0.55	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	--
Nickel, Dissolved	mg/l	--	--	--	<0.05	--
Potassium, Dissolved	mg/l	--	--	--	2.6	--
Silicon, Dissolved	mg/l	--	--	--	8.56	--
Silver, Dissolved	mg/l	--	--	--	<0.005	--
Sodium, Dissolved	mg/l	--	200 [10]	--	10.3	--
Strontium, Dissolved	mg/l	--	--	--	0.752	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	88-1D 30-Apr-1991	88-1D 04-Sep-1991
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	400	--
Ammonia Nitrogen	mg/l	--	--	--	0.63	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3
Bromide	mg/l	--	--	--	0.3	--
Chemical Oxygen Demand	mg/l	--	--	--	15	--
Chloride	mg/l	--	250	--	60	--
Conductivity	uS/cm	--	--	--	700	900
Cyanide	mg/l	0.2	--	--	<0.001	--
Fluoride	mg/l	1.5	--	--	0.44	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*480*	*340*
Nitrate	mg/l	-- [7]	--	--	<0.1	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--
Nitrogen, Organic	mg/l	--	--	0.15	0.14	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.77	--
pH	-	--	--	8.5	7.84	7.7
Phosphate	mg/l	--	--	--	<0.1	--
Phosphorus	mg/l	--	--	--	<0.5	--
Sulfate	mg/l	--	500 [9]	--	48	--
Temperature	deg c	--	15	--	5.6	15.6
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	--
Barium, Dissolved	mg/l	1	--	--	0.159	--
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	--
Boron, Dissolved	mg/l	5	--	--	0.111	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	--
Calcium, Dissolved	mg/l	--	--	--	95.6	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	--
Cobalt, Dissolved	mg/l	--	--	--	<0.05	--
Copper, Dissolved	mg/l	--	1	--	<0.01	--
Iron, Dissolved	mg/l	--	0.3	--	1.25	--
Lead, Dissolved	mg/l	0.01	--	--	<0.05	--
Magnesium, Dissolved	mg/l	--	--	--	55.3	--
Manganese, Dissolved	mg/l	--	0.05	--	0.18	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	--
Nickel, Dissolved	mg/l	--	--	--	<0.05	--
Potassium, Dissolved	mg/l	--	--	--	6.1	--
Silicon, Dissolved	mg/l	--	--	--	9.26	--
Silver, Dissolved	mg/l	--	--	--	<0.005	--
Sodium, Dissolved	mg/l	--	200 [10]	--	46.9	--
Strontium, Dissolved	mg/l	--	--	--	3.42	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--

Parameter	Unit	[2] [1] ODWQS(1769/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	88-20D 30-Apr-1991	88-20D 12-Sep-1991
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	880	--
Ammonia Nitrogen	mg/l	--	--	--	0.53	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	13	13
Bromide	mg/l	--	--	--	1.5	--
Chemical Oxygen Demand	mg/l	--	--	--	140	--
Chloride	mg/l	--	250	--	320	350
Conductivity	uS/cm	--	--	--	2100	2500
Cyanide	mg/l	0.2	--	--	<0.001	--
Fluoride	mg/l	1.5	--	--	<0.1	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*900*	*1200*
Nitrate	mg/l	-- [7]	--	--	<0.1	--
Nitrite	mg/l	-- [8]	--	--	<1	--
Nitrogen, Organic	mg/l	--	--	0.15	*2.67*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	3.2	--
pH	-	--	--	8.5	7.18	7
Phosphate	mg/l	--	--	--	<0.2	--
Phosphorus	mg/l	--	--	--	<0.5	--
Sulfate	mg/l	--	500 [9]	--	7	--
Temperature	deg c	--	15	--	6.7	16.8
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	--
Arsenic, Dissolved	mg/l	0.025	--	--	0.004	--
Barium, Dissolved	mg/l	1	--	--	0.296	--
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	--
Boron, Dissolved	mg/l	5	--	--	0.453	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	--
Calcium, Dissolved	mg/l	--	--	--	157	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	--
Cobalt, Dissolved	mg/l	--	--	--	<0.05	--
Copper, Dissolved	mg/l	--	1	--	<0.01	--
Iron, Dissolved	mg/l	--	0.3	--	9.91	--
Lead, Dissolved	mg/l	0.01	--	--	<0.05	--
Magnesium, Dissolved	mg/l	--	--	--	108	--
Manganese, Dissolved	mg/l	--	0.05	--	0.12	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	--
Nickel, Dissolved	mg/l	--	--	--	<0.05	--
Potassium, Dissolved	mg/l	--	--	--	2	--
Silicon, Dissolved	mg/l	--	--	--	15.9	--
Silver, Dissolved	mg/l	--	--	--	<0.005	--
Sodium, Dissolved	mg/l	--	200 [10]	--	202	--
Strontium, Dissolved	mg/l	--	--	--	0.747	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	88-23D 30-Apr-1991	88-23D 20-Nov-1991
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	1520	900
Ammonia Nitrogen	mg/l	--	--	--	48	46
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	22	15
Bromide	mg/l	--	--	--	0.99	0.66
Chemical Oxygen Demand	mg/l	--	--	--	340	140
Chloride	mg/l	--	250	--	180	150
Conductivity	uS/cm	--	--	--	2700	2150
Cyanide	mg/l	0.2	--	--	<0.001	<0.001
Fluoride	mg/l	1.5	--	--	<0.1	0.16
Hardness, Calcium Carbonate	mg/l	--	--	100	*1180*	*830*
Nitrate	mg/l	-- [7]	--	--	<0.1	0.16
Nitrite	mg/l	-- [8]	--	--	<1	0.011
Nitrogen, Organic	mg/l	--	--	0.15	*6*	*1*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	54	47
pH	-	--	--	8.5	7.5	7
Phosphate	mg/l	--	--	--	<0.2	<0.2
Phosphorus	mg/l	--	--	--	<0.5	<0.5
Sulfate	mg/l	--	500 [9]	--	2.9	64
Temperature	deg c	--	15	--	5.6	11.1
Total Dissolved Solids	mg/l	--	500	--	--	1300
Total Suspended Solids	mg/l	--	--	--	--	340
Volatile Suspended Solids	%	--	--	--	--	29
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	**0.038**	**0.195**
Barium, Dissolved	mg/l	1	--	--	**5.06**	**3.79**
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005
Boron, Dissolved	mg/l	5	--	--	0.286	0.33
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001
Calcium, Dissolved	mg/l	--	--	--	174	143
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	62.7	38.9
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	154	115
Manganese, Dissolved	mg/l	--	0.05	--	1.48	0.66
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2
Nickel, Dissolved	mg/l	--	--	--	0.08	0.08
Potassium, Dissolved	mg/l	--	--	--	33	24
Silicon, Dissolved	mg/l	--	--	--	10.7	12.2
Silver, Dissolved	mg/l	--	--	--	0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	229	160
Strontium, Dissolved	mg/l	--	--	--	0.78	0.761
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	0.015	0.007
Zinc, Dissolved	mg/l	--	5	--	0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-1 18-Apr-1990	90-1 10-Aug-1990	90-1 10-Aug-1990 90-1-FD (Field Duplicate)	90-1 06-Nov-1990	90-1 18-Apr-1991	90-1 18-Apr-1991 90-1-FD (Field Duplicate)	90-1 29-Aug-1991
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	208	244	222	270	224	318	270
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.23	<0.1	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	<1	<1	<1	<3	<3	<3
Bromide	mg/l	--	--	--	0.6	1.6	1.7	<0.5	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	8	--	--	--	4.5	7.7	<5
Chloride	mg/l	--	250	--	6	5	5	12	4.5	4.3	6.1
Color	color unit	--	5	--	--	--	--	--	--	--	--
Conductivity	uS/cm	--	--	--	450	550	550	700	440	440	600
Cyanide	mg/l	0.2	--	--	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001
Fluoride	mg/l	1.5	--	--	0.04	0.04	0.04	0.02	<0.1	<0.1	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*246*	*527*	*280*	*364*	*230*	*236*	*299*
Nitrate	mg/l	-- [7]	--	--	0.93	0.18	0.8	0.24	0.82	0.82	0.47
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.005
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	0.04
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.14
pH	-	--	--	8.5	8	7.6	7.6	7.04	7.4	7.42	--
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.5	<0.2	<0.2
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5
Sulfate	mg/l	--	500 [9]	--	24	27	33	37	26	25	27
Temperature	deg c	--	15	--	6	12	12	10	4.4	4.4	13.3
Turbidity	ntu	--	5 [11]	-- [12]	--	--	--	--	--	--	--
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	<0.03	0.02	0.05	<0.03	<0.05	<0.005	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.02	<0.01	<0.01	<0.01	<0.001	<0.001	<0.0001
Barium, Dissolved	mg/l	1	--	--	<0.01	0.03	0.06	0.02	0.025	0.018	0.019
Beryllium, Dissolved	mg/l	--	--	--	0.06	<0.01	<0.01	<0.01	<0.0005	<0.0005	<0.0005
Boron, Dissolved	mg/l	5	--	--	<0.01	0.05	0.06	<0.01	<0.005	0.012	<0.005
Cadmium, Dissolved	mg/l	0.005	--	--	<0.002	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001
Calcium, Dissolved	mg/l	--	--	--	57	69	69	83	53.6	56.4	72.4
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	0.01	0.02	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.02	0.01	<0.01	<0.02	<0.05	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.002	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.25	0.07	0.16	0.01	0.13	0.02	<0.01
Lead, Dissolved	mg/l	0.01	--	--	<0.002	<0.002	0.01	<0.002	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	25	86	26	38	21.5	22.5	28.8
Manganese, Dissolved	mg/l	--	0.05	--	0.17	0.09	0.03	<0.01	<0.01	<0.01	<0.01
Molybdenum, Dissolved	mg/l	--	--	--	<0.01	0.02	0.03	<0.01	<0.2	<0.2	<0.2
Nickel, Dissolved	mg/l	--	--	--	0.03	0.01	<0.01	<0.01	<0.05	<0.05	<0.05
Potassium, Dissolved	mg/l	--	--	--	<1	2	1	1	0.8	0.2	0.8
Silicon, Dissolved	mg/l	--	--	--	2	1.9	2	1.8	1.96	1.78	2.22
Silver, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	6	9	10	5	13.3	12.5	6.5
Strontium, Dissolved	mg/l	--	--	--	0.02	0.06	0.06	0.05	0.06	0.06	0.058
Sulfur	mg/l	--	--	--	12	10	10	14	--	--	--
Thallium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	--	--	--
Titanium, Dissolved	mg/l	--	--	--	0.02	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.01	0.03	<0.01	<0.01	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	0.01	0.23	0.18	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-1 29-Aug-1991	90-1 19-Nov-1991	90-1 30-Apr-1992	90-1 30-Apr-1992	90-1 19-Aug-1992	90-1 18-Nov-1992
					90-1-FD (Field Duplicate)			90-1-FD (Field Duplicate)		
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	740	350	230	220	310	320
Ammonia Nitrogen	mg/l	--	--	--	0.18	0.17	0.15	0.2	0.12	0.15
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	--	<3
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	<5	<3	<5	<5	<5	23
Chloride	mg/l	--	250	--	6.8	13	2.7	2.8	13	18
Color	color unit	--	5	--	--	5	--	--	--	--
Conductivity	uS/cm	--	--	--	600	725	610	610	675	625
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Fluoride	mg/l	1.5	--	--	<0.1	<0.1	0.16	0.17	<0.1	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*293*	*413*	*220*	*220*	*450*	*430*
Nitrate	mg/l	-- [7]	--	--	0.46	0.3	0.49	0.5	0.4	0.33
Nitrite	mg/l	-- [8]	--	--	<0.005	0.017	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	0.04	--	0.02	<0.01	0.15	<0.01
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.22	<0.1	0.17	0.14	0.27	0.12
pH	-	--	--	8.5	--	7.1	5.9	5.9	7.1	6.9
Phosphate	mg/l	--	--	--	--	--	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	0.014	<0.1	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	31	40	23	26	38	39
Temperature	deg c	--	15	--	13.3	9.4	8	8	8	8
Turbidity	ntu	--	5 [11]	-- [12]	--	7	--	--	--	--
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	*0.13*	0.09	0.08	0.05
Arsenic, Dissolved	mg/l	0.025	--	--	0.0003	0.0001	<0.001	<0.001	0.0001	0.0006
Barium, Dissolved	mg/l	1	--	--	0.02	0.026	0.02	0.01	0.03	0.03
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.005	<0.01	0.35	0.27	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	70.7	100	51	52	110	110
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Iron, Dissolved	mg/l	--	0.3	--	0.03	0.02	<0.05	<0.05	<0.01	<0.05
Lead, Dissolved	mg/l	0.01	--	--	<0.05	0.0058	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	28.2	39.6	22	22	42	41
Manganese, Dissolved	mg/l	--	0.05	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.5	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.025	<0.05	<0.05	<0.5	<0.01
Potassium, Dissolved	mg/l	--	--	--	0.1	<1	0.3	0.35	<2	<2
Silicon, Dissolved	mg/l	--	--	--	2.29	2.79	2.3	2.1	2.1	2.8
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	6.5	6.8	4	4.1	8.4	<10
Strontium, Dissolved	mg/l	--	--	--	0.082	0.068	0.058	0.046	0.06	0.07
Sulfur	mg/l	--	--	--	--	--	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-2D 18-Apr-1990	90-2D 10-Aug-1990	90-2D 06-Nov-1990	90-2D 18-Apr-1991	90-2D 12-Sep-1991	90-2D 20-Nov-1991	90-2D 06-May-1992	90-2D 19-Aug-1992	90-2D 18-Nov-1992
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	264	290	294	280	340	430	300	540	320
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	0.22	0.38	0.49	0.2	0.71	0.41
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	<1	6	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	<0.5	2.1	1	0.15	0.84	0.75	0.14	1.2	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	16	--	--	13	23	<5	11	56	17
Chloride	mg/l	--	250	--	31	61	53	23	200	180	25	250	23
Conductivity	uS/cm	--	--	--	700	800	900	500	1400	1250	750	1700	750
Cyanide	mg/l	0.2	--	--	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Fluoride	mg/l	1.5	--	--	0.27	0.28	0.15	0.29	0.36	0.37	0.18	0.29	0.23
Hardness, Calcium Carbonate	mg/l	--	--	100	*318*	*376*	*411*	*352*	*622*	*653*	*393*	*830*	*430*
Nitrate	mg/l	-- [7]	--	--	0.43	0.12	<0.1	<0.1	<0.1	<0.1	<0.1	0.11	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	<0.1	0.007	0.019	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	<0.1	*0.37*	*0.61*	0.13	*0.69*	*0.33*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.11	0.14	0.14	0.17	0.75	1.1	0.33	1.4	0.74
pH	-	--	--	8.5	7.6	7.1	7.31	7.4	7.2	7.2	6.2	6.8	7.2
Phosphate	mg/l	--	--	--	0.17	<0.1	0.22	<0.1	0.05	<0.2	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	5.9	37	46	62	35	35	74	28	79
Temperature	deg c	--	15	--	7	10	8	4.4	15.5	10.5	10	7	8
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.03	0.04	<0.03	<0.05	<0.05	<0.05	<0.05	0.05	0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.02	<0.01	<0.01	<0.001	0.0007	0.0003	<0.001	0.0006	0.0009
Barium, Dissolved	mg/l	1	--	--	0.18	0.2	0.24	0.161	0.56	0.501	0.21	0.71	0.26
Beryllium, Dissolved	mg/l	--	--	--	0.07	<0.01	<0.01	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.01	0.29	0.34	0.263	0.36	0.35	0.22	0.42	0.21
Cadmium, Dissolved	mg/l	0.005	--	--	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	0.0025	<0.0002
Calcium, Dissolved	mg/l	--	--	--	76	96	100	89.5	157	167	100	210	120
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.02	0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.002	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.53	0.92	0.41	51.7	4.06	3.55	1.5	5.6	2.2
Lead, Dissolved	mg/l	0.01	--	--	<0.002	<0.002	<0.002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	31	33	39	66.7	55.9	57.3	35	74	35
Manganese, Dissolved	mg/l	--	0.05	--	0.22	0.23	0.28	0.78	0.37	0.4	0.25	0.5	0.35
Molybdenum, Dissolved	mg/l	--	--	--	<0.01	0.02	<0.01	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	0.03	0.03	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	4	4	4	57.8	5	5	3.3	5.5	5.2
Silicon, Dissolved	mg/l	--	--	--	8.4	9.3	7.6	8.46	9.84	10.6	7.8	8.4	9.1
Silver, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	14	25	22	16.1	80.5	56	24	100	19
Strontium, Dissolved	mg/l	--	--	--	3.2	2.89	3	2.46	4.32	4.2	3	5.6	2.9
Sulfur	mg/l	--	--	--	22	13	18	--	--	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	0.02	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	0.02	<0.01	<0.01	<0.005	0.005	<0.005	0.01	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	0.18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-4D 18-Apr-1990	90-4D 10-Aug-1990	90-4D 06-Nov-1990	90-4D 19-Apr-1991	90-4D 12-Sep-1991	90-4D 13-Nov-1991	90-4D 05-May-1992	90-4D 18-Aug-1992	90-4D 18-Nov-1992
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	416	356	416	374	310	380	410	420	430
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	0.11	0.23	0.27	0.25	0.16	0.21
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	1	1	2	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.9	2	2.3	0.62	0.36	0.4	0.44	0.58	0.49
Chemical Oxygen Demand	mg/l	--	--	--	21	--	--	29	7	15	<5	12	10
Chloride	mg/l	--	250	--	149	130	173	170	84	98	89	120	140
Conductivity	uS/cm	--	--	--	1200	1200	1300	1000	1000	1050	950	1150	1075
Cyanide	mg/l	0.2	--	--	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Fluoride	mg/l	1.5	--	--	0.29	0.3	0.12	0.49	0.59	0.47	0.33	0.41	0.33
Hardness, Calcium Carbonate	mg/l	--	--	100	*660*	*569*	*621*	*544*	*460*	*481*	*535*	*630*	*610*
Nitrate	mg/l	-- [7]	--	--	<0.1	0.31	0.29	0.1	<0.1	0.13	<0.1	0.14	<0.1
Nitrite	mg/l	-- [8]	--	--	0.12	<0.1	<0.1	<0.5	0.005	0.01	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	*0.27*	*0.31*	*0.37*	0.15	0.14	*0.24*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.66	0.72	0.27	0.38	0.54	0.64	0.4	0.3	0.45
pH	-	--	--	8.5	7.1	7.1	7.17	7.11	7.3	7.2	6.8	7.1	7.3
Phosphate	mg/l	--	--	--	0.22	0.1	0.25	<0.1	0.02	0.02	0.12	<0.1	<0.1
Phosphorus	mg/l	--	--	--	0.27	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	35	50	27	31	37	37	42	42	41
Temperature	deg c	--	15	--	8.5	11	9	5.5	15.5	8.9	11	7	7
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.03	0.05	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.02	<0.01	<0.01	<0.001	<0.0001	<0.0001	<0.001	0.0003	0.0005
Barium, Dissolved	mg/l	1	--	--	0.34	0.31	0.35	0.301	0.231	0.218	0.23	0.26	0.27
Beryllium, Dissolved	mg/l	--	--	--	0.08	<0.01	<0.01	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.01	0.3	0.23	0.23	0.21	0.21	0.21	0.2	0.2
Cadmium, Dissolved	mg/l	0.005	--	--	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	167	145	79	162	114	121	130	160	160
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.02	0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.01	0.17	<0.01	0.03	0.23	0.05	0.14	0.56	0.31
Lead, Dissolved	mg/l	0.01	--	--	<0.002	<0.002	<0.002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	60	50	64	61.8	42.5	43.6	51	57	55
Manganese, Dissolved	mg/l	--	0.05	--	0.53	0.74	1.14	1.26	0.91	0.79	0.84	0.94	0.89
Molybdenum, Dissolved	mg/l	--	--	--	<0.01	<0.01	0.01	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	0.02	0.02	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	5	5	6	4.5	4	4	4.2	4.9	6.2
Silicon, Dissolved	mg/l	--	--	--	6.5	6.5	5.4	7.32	6.64	6.52	5.9	5	7.1
Silver, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	36	41	40	42.6	34.7	33.4	37	40	32
Strontium, Dissolved	mg/l	--	--	--	4.2	4.91	5.34	6.03	4.4	4.19	5	4.9	5.1
Sulfur	mg/l	--	--	--	15	16	11	--	--	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	<0.01	0.27	<0.01	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	0.08	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	0.06	0.05	<0.01	<0.005	<0.005	<0.005	0.02	0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	0.01	0.09	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-4M 18-Apr-1990	90-4M 11-Aug-1990	90-4M 06-Nov-1990	90-4M 19-Apr-1991	90-4M 12-Sep-1991	90-4M 13-Nov-1991	90-4M 07-May-1992	90-4M 18-Aug-1992	90-4M 18-Nov-1992
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	230	250	284	318	240	300	310	280	280
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	0.19	0.15	0.36	0.23	0.43	0.27
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	2	2	3	<3	<3	<3	4	<3	<3
Bromide	mg/l	--	--	--	1	2	1.2	0.19	0.23	0.27	0.29	0.32	0.12
Chemical Oxygen Demand	mg/l	--	--	--	11	--	--	12	14	31	25	32	28
Chloride	mg/l	--	250	--	52	60	53	68	65	66	61	70	44
Conductivity	uS/cm	--	--	--	700	700	600	500	800	875	760	850	725
Cyanide	mg/l	0.2	--	--	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	--	<0.001	0.002
Fluoride	mg/l	1.5	--	--	0.46	<0.02	0.2	0.63	0.77	0.67	0.53	0.62	0.54
Hardness, Calcium Carbonate	mg/l	--	--	100	*306*	*345*	*413*	*388*	*378*	*361*	*393*	*450*	*320*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	0.11	0.27	0.11	0.13	0.12	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	<0.1	0.007	0.01	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	0.1	*0.19*	0.15	*0.3*	<0.1	0.14
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.1	0.49	0.26	0.29	0.34	0.51	0.53	0.34	0.41
pH	-	--	--	8.5	7.5	7.3	7.62	7.38	7.2	7.6	6.8	7.5	7.6
Phosphate	mg/l	--	--	--	0.4	0.41	0.28	<0.1	0.03	<0.2	0.14	<0.1	<0.1
Phosphorus	mg/l	--	--	--	0.11	<0.1	<0.1	<0.5	<0.5	<0.5	2.7	1.8	<0.1
Sulfate	mg/l	--	500 [9]	--	38	31	35	35	41	42	41	36	59
Temperature	deg c	--	15	--	7	14	9	5.6	15.2	8.3	11	7	8
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.03	0.05	<0.03	<0.05	<0.05	<0.05	<0.05	0.09	0.06
Arsenic, Dissolved	mg/l	0.025	--	--	<0.02	<0.01	<0.01	<0.001	0.0004	0.0004	<0.001	0.0004	0.0012
Barium, Dissolved	mg/l	1	--	--	0.25	0.26	0.25	0.251	0.252	0.218	0.2	0.24	0.17
Beryllium, Dissolved	mg/l	--	--	--	0.06	<0.01	<0.01	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.01	0.17	0.1	0.104	0.1	0.1	0.11	0.13	0.11
Cadmium, Dissolved	mg/l	0.005	--	--	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	40	54	60	61	59.9	57	60	73	52
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.02	<0.01	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.002	0.02	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.05	0.19	0.38	0.51	0.05	0.12	0.28	0.09	0.21
Lead, Dissolved	mg/l	0.01	--	--	<0.002	0.01	<0.002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	50	51	64	61.8	55.4	53.7	59	64	47
Manganese, Dissolved	mg/l	--	0.05	--	0.04	0.06	0.02	0.03	0.04	0.05	0.05	0.05	0.04
Molybdenum, Dissolved	mg/l	--	--	--	<0.01	0.05	<0.01	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	0.02	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	3	4	4	2.8	3	3	3.3	2.6	2.8
Silicon, Dissolved	mg/l	--	--	--	8.9	14.4	13.3	14.7	14.5	13.5	15	12	12
Silver, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	16	25	16	20.4	20.9	30.2	31	24	37
Strontium, Dissolved	mg/l	--	--	--	5.4	5.86	5.32	5.61	5.22	4.55	5.3	5.4	3.7
Sulfur	mg/l	--	--	--	15	16	12	--	--	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	0.02	0.03	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	0.05	0.15	<0.01	<0.005	<0.005	<0.005	0.01	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	0.01	0.23	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-4S 18-Apr-1990	90-4S 11-Aug-1990	90-4S 06-Nov-1990	90-4S 19-Apr-1991	90-4S 12-Sep-1991	90-4S 13-Nov-1991	90-4S 18-Aug-1992	90-4S 18-Nov-1992
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	290	376	410	440	350	330	470	510
Ammonia Nitrogen	mg/l	--	--	--	0.35	<0.1	<0.1	0.19	1.1	0.42	0.59	0.61
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	2	2	--	4	<3	<3	<3	<3
Bromide	mg/l	--	--	--	<0.5	<0.5	1.2	<0.1	0.13	0.16	0.25	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	21	--	--	18	17	83	37	50
Chloride	mg/l	--	250	--	77	101	109	91	170	180	400	330
Conductivity	uS/cm	--	--	--	900	1100	1200	800	1300	1700	2100	1800
Cyanide	mg/l	0.2	--	--	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	0.002
Fluoride	mg/l	1.5	--	--	0.25	0.21	0.04	0.14	0.15	0.14	0.2	0.11
Hardness, Calcium Carbonate	mg/l	--	--	100	*394*	*472*	*600*	*520*	*544*	*562*	*730*	*610*
Nitrate	mg/l	-- [7]	--	--	0.43	0.14	0.74	0.12	0.37	0.24	0.14	0.14
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	0.55	<0.5	0.014	0.01	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	0.1	*0.2*	*1.18*	*0.61*	*0.89*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.35	0.87	0.66	2.9	1.3	1.6	1.2	1.5
pH	-	--	--	8.5	7.2	6.8	6.93	6.95	7	7	7	6.8
Phosphate	mg/l	--	--	--	0.44	0.2	0.15	0.13	0.03	<0.2	<0.1	<0.1
Phosphorus	mg/l	--	--	--	0.24	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	67	77	83	77	100	260	100	100
Temperature	deg c	--	15	--	5	11	10	6.7	14.4	7.2	8	7
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.03	0.01	<0.03	<0.05	<0.05	<0.05	0.05	0.06
Arsenic, Dissolved	mg/l	0.025	--	--	<0.02	<0.01	<0.01	<0.001	0.0007	0.0007	0.0015	0.0018
Barium, Dissolved	mg/l	1	--	--	0.17	0.27	0.15	0.1	0.128	0.09	0.18	0.12
Beryllium, Dissolved	mg/l	--	--	--	0.08	<0.01	<0.01	<0.0005	<0.0005	<0.0005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.01	0.08	0.1	0.082	0.14	0.13	0.13	0.1
Cadmium, Dissolved	mg/l	0.005	--	--	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	0.005	<0.0002
Calcium, Dissolved	mg/l	--	--	--	82	118	166	147	156	169	220	180
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.02	<0.01	<0.02	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.002	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.03	0.06	0.15	2.89	2.59	1.26	2.601	3.6
Lead, Dissolved	mg/l	0.01	--	--	<0.002	0.009	<0.002	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	46	43	45	35.9	37.6	34.1	44	36
Manganese, Dissolved	mg/l	--	0.05	--	0.55	0.88	2.39	2.03	1.66	0.88	1.4	1.1
Molybdenum, Dissolved	mg/l	--	--	--	<0.01	0.03	<0.01	<0.2	<0.2	<0.2	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	0.02	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	7	9	12	9.3	11	7	9.9	9.6
Silicon, Dissolved	mg/l	--	--	--	8.4	8.7	6.5	7	8.81	5.81	5.5	7.1
Silver, Dissolved	mg/l	--	--	--	<0.01	<0.01	0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	30	47	47	44.9	58.2	138	22	170
Strontium, Dissolved	mg/l	--	--	--	3.8	3.23	1.65	1.03	1.26	0.591	0.84	0.7
Sulfur	mg/l	--	--	--	24	31	31	--	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	0.06	0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	0.03	0.12	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-5 18-Apr-1990
General Chemistry					
Alkalinity as CaCO3	mg/l	--	--	--	282
Ammonia Nitrogen	mg/l	--	--	--	0.27
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	2
Bromide	mg/l	--	--	--	0.7
Chemical Oxygen Demand	mg/l	--	--	--	11
Chloride	mg/l	--	250	--	46
Conductivity	uS/cm	--	--	--	750
Cyanide	mg/l	0.2	--	--	<0.01
Fluoride	mg/l	1.5	--	--	0.02
Hardness, Calcium Carbonate	mg/l	--	--	100	*373*
Nitrate	mg/l	-- [7]	--	--	0.24
Nitrite	mg/l	-- [8]	--	--	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.85
pH	-	--	--	8.5	7.5
Phosphate	mg/l	--	--	--	0.37
Phosphorus	mg/l	--	--	--	0.2
Sulfate	mg/l	--	500 [9]	--	65
Temperature	deg c	--	15	--	9
Metals					
Aluminum, Dissolved	mg/l	--	--	0.1	<0.03
Arsenic, Dissolved	mg/l	0.025	--	--	**0.03**
Barium, Dissolved	mg/l	1	--	--	0.16
Beryllium, Dissolved	mg/l	--	--	--	0.08
Boron, Dissolved	mg/l	5	--	--	<0.01
Cadmium, Dissolved	mg/l	0.005	--	--	<0.002
Calcium, Dissolved	mg/l	--	--	--	93
Chromium, Dissolved	mg/l	0.05	--	--	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.02
Copper, Dissolved	mg/l	--	1	--	<0.002
Iron, Dissolved	mg/l	--	0.3	--	0.72
Lead, Dissolved	mg/l	0.01	--	--	<0.002
Magnesium, Dissolved	mg/l	--	--	--	34
Manganese, Dissolved	mg/l	--	0.05	--	0.25
Molybdenum, Dissolved	mg/l	--	--	--	<0.01
Nickel, Dissolved	mg/l	--	--	--	0.03
Potassium, Dissolved	mg/l	--	--	--	9
Silicon, Dissolved	mg/l	--	--	--	5.4
Silver, Dissolved	mg/l	--	--	--	<0.01
Sodium, Dissolved	mg/l	--	200 [10]	--	17
Strontium, Dissolved	mg/l	--	--	--	1.8
Sulfur	mg/l	--	--	--	26
Thallium, Dissolved	mg/l	--	--	--	<0.01
Titanium, Dissolved	mg/l	--	--	--	0.1
Vanadium, Dissolved	mg/l	--	--	--	0.03
Zinc, Dissolved	mg/l	--	5	--	0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-10D 19-Nov-1991	91-10D 06-May-1992	91-10D 19-Aug-1992	91-10D 23-Nov-1992
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	280	220	250	200
Ammonia Nitrogen	mg/l	--	--	--	0.22	0.3	0.55	0.27
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.16	<0.1	0.13	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	<5	29	<5	<5
Chloride	mg/l	--	250	--	26	13	15	14
Conductivity	uS/cm	--	--	--	600	480	600	465
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.002
Fluoride	mg/l	1.5	--	--	0.15	<0.1	0.12	0.15
Hardness, Calcium Carbonate	mg/l	--	--	100	*323*	*259*	*300*	*280*
Nitrate	mg/l	-- [7]	--	--	<0.1	0.12	0.11	0.38
Nitrite	mg/l	-- [8]	--	--	0.014	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*2.68*	*0.36*	<0.1	*0.16*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.9	0.66	0.55	0.43
pH	-	--	--	8.5	6.7	6.4	6.5	6.2
Phosphate	mg/l	--	--	--	<0.2	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	0.2	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	36	34	32	32
Temperature	deg c	--	15	--	9.4	10	8	9
Metals								
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	0.07	0.06
Arsenic, Dissolved	mg/l	0.025	--	--	0.0002	<0.001	0.0003	<0.0001
Barium, Dissolved	mg/l	1	--	--	0.301	0.36	0.56	0.34
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.02	<0.05	<0.05	0.08
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	107	84	98	94
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.84	0.6	3.2	0.14
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	13.6	12	13	11
Manganese, Dissolved	mg/l	--	0.05	--	1.48	2	3.5	1.8
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	1	1.1	<2	2.1
Silicon, Dissolved	mg/l	--	--	--	7.2	5.3	5	5.6
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	10.8	9.3	13	<10
Strontium, Dissolved	mg/l	--	--	--	0.147	0.12	0.13	0.12
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	0.01	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-10M 19-Nov-1991	91-10M 06-May-1992	91-10M 19-Aug-1992	91-10M 19-Aug-1992 91-10M-FD (Field Duplicate)	91-10M 19-Nov-1992
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	190	200	230	220	190
Ammonia Nitrogen	mg/l	--	--	--	0.66	0.38	0.62	0.53	0.39
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.15	<0.1	0.12	0.12	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	<5	26	<5	<5	<5
Chloride	mg/l	--	250	--	29	11	16	15	12
Conductivity	uS/cm	--	--	--	600	460	600	600	445
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.002
Fluoride	mg/l	1.5	--	--	<0.1	<0.1	0.11	0.11	0.17
Hardness, Calcium Carbonate	mg/l	--	--	100	*291*	*238*	*280*	*290*	*250*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	0.12	0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	0.014	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.54*	*0.23*	<0.1	0.14	0.01
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.2	0.61	0.68	0.67	0.4
pH	-	--	--	8.5	6.6	6.4	6.6	6.6	6.7
Phosphate	mg/l	--	--	--	<0.2	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.1	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	32	32	36	34	30
Temperature	deg c	--	15	--	9.4	10	8	8	8
Metals									
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	0.1	*0.13*	0.1
Arsenic, Dissolved	mg/l	0.025	--	--	0.0021	<0.001	0.0012	0.0012	0.0015
Barium, Dissolved	mg/l	1	--	--	0.732	0.52	0.7	0.69	0.49
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.04	0.05	<0.05	<0.05	0.06
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	93.3	79	91	93	85
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	9.71	6.3	11	11	5.5
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	14	10	13	13	9.8
Manganese, Dissolved	mg/l	--	0.05	--	2.41	1.8	3.1	3.2	1.9
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.5	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	1	1.2	<2	2.1	2
Silicon, Dissolved	mg/l	--	--	--	7.4	6	4.9	5	6.4
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	0.008	0.008	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	13.4	8.8	13	14	<10
Strontium, Dissolved	mg/l	--	--	--	0.118	0.1	0.11	0.11	0.1
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	0.007	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-10S 20-Nov-1991
General Chemistry					
Alkalinity as CaCO3	mg/l	--	--	--	240
Ammonia Nitrogen	mg/l	--	--	--	0.95
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3
Bromide	mg/l	--	--	--	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	<5
Chloride	mg/l	--	250	--	7.6
Conductivity	uS/cm	--	--	--	500
Cyanide	mg/l	0.2	--	--	<0.001
Fluoride	mg/l	1.5	--	--	0.25
Hardness, Calcium Carbonate	mg/l	--	--	100	*268*
Nitrate	mg/l	-- [7]	--	--	0.12
Nitrite	mg/l	-- [8]	--	--	0.038
Nitrogen, Organic	mg/l	--	--	0.15	0.02
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.97
pH	-	--	--	8.5	7
Phosphate	mg/l	--	--	--	<0.2
Phosphorus	mg/l	--	--	--	<0.5
Sulfate	mg/l	--	500 [9]	--	32
Temperature	deg c	--	15	--	10
Metals					
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	0.0004
Barium, Dissolved	mg/l	1	--	--	0.683
Beryllium, Dissolved	mg/l	--	--	--	<0.0005
Boron, Dissolved	mg/l	5	--	--	0.07
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001
Calcium, Dissolved	mg/l	--	--	--	94.1
Chromium, Dissolved	mg/l	0.05	--	--	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.11
Lead, Dissolved	mg/l	0.01	--	--	<0.05
Magnesium, Dissolved	mg/l	--	--	--	8.14
Manganese, Dissolved	mg/l	--	0.05	--	1.42
Molybdenum, Dissolved	mg/l	--	--	--	<0.2
Nickel, Dissolved	mg/l	--	--	--	<0.05
Potassium, Dissolved	mg/l	--	--	--	1
Silicon, Dissolved	mg/l	--	--	--	5.47
Silver, Dissolved	mg/l	--	--	--	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	8.1
Strontium, Dissolved	mg/l	--	--	--	0.154
Titanium, Dissolved	mg/l	--	--	--	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-11D 19-Nov-1991	91-11D 06-May-1992	91-11D 19-Aug-1992	91-11D 23-Nov-1992
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	270	260	270	280
Ammonia Nitrogen	mg/l	--	--	--	0.37	0.3	0.39	0.25
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.2	0.14	0.17	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	<5	17	31	<5
Chloride	mg/l	--	250	--	28	17	22	17
Conductivity	uS/cm	--	--	--	700	1140	600	625
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.002
Fluoride	mg/l	1.5	--	--	0.3	0.39	0.24	0.44
Hardness, Calcium Carbonate	mg/l	--	--	100	*337*	*377*	*370*	*410*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	0.11	<0.1
Nitrite	mg/l	-- [8]	--	--	0.017	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	0.15	*0.16*	<0.1	0.04
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.52	0.46	0.37	0.29
pH	-	--	--	8.5	6.9	6.6	6.7	6.5
Phosphate	mg/l	--	--	--	<0.2	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	70	82	78	73
Temperature	deg c	--	15	--	9.4	10	7	8
Metals								
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	0.06
Arsenic, Dissolved	mg/l	0.025	--	--	0.0006	<0.001	0.0016	0.0016
Barium, Dissolved	mg/l	1	--	--	0.481	0.54	0.42	0.64
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.05	0.07	0.1	0.1
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	107	120	120	130
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	1.66	5.6	7.8	7.7
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	17	19	17	20
Manganese, Dissolved	mg/l	--	0.05	--	1.1	1.2	1.7	0.99
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	2	1.9	3.7	2.9
Silicon, Dissolved	mg/l	--	--	--	7.19	6.8	4.5	7.6
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	0.01	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	20.6	17	25	15
Strontium, Dissolved	mg/l	--	--	--	0.575	0.68	0.45	0.95
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	0.01	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-11M 19-Nov-1991
General Chemistry					
Alkalinity as CaCO3	mg/l	--	--	--	250
Ammonia Nitrogen	mg/l	--	--	--	0.22
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3
Bromide	mg/l	--	--	--	0.11
Chemical Oxygen Demand	mg/l	--	--	--	42
Chloride	mg/l	--	250	--	12
Conductivity	uS/cm	--	--	--	650
Cyanide	mg/l	0.2	--	--	<0.001
Fluoride	mg/l	1.5	--	--	0.11
Hardness, Calcium Carbonate	mg/l	--	--	100	*321*
Nitrate	mg/l	-- [7]	--	--	0.12
Nitrite	mg/l	-- [8]	--	--	0.024
Nitrogen, Organic	mg/l	--	--	0.15	*0.77*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.99
pH	-	--	--	8.5	6.7
Phosphate	mg/l	--	--	--	<0.2
Phosphorus	mg/l	--	--	--	<0.5
Sulfate	mg/l	--	500 [9]	--	90
Temperature	deg c	--	15	--	9.9
Metals					
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	0.0002
Barium, Dissolved	mg/l	1	--	--	0.223
Beryllium, Dissolved	mg/l	--	--	--	<0.0005
Boron, Dissolved	mg/l	5	--	--	0.09
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001
Calcium, Dissolved	mg/l	--	--	--	104
Chromium, Dissolved	mg/l	0.05	--	--	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.27
Lead, Dissolved	mg/l	0.01	--	--	<0.05
Magnesium, Dissolved	mg/l	--	--	--	14.8
Manganese, Dissolved	mg/l	--	0.05	--	0.67
Molybdenum, Dissolved	mg/l	--	--	--	<0.2
Nickel, Dissolved	mg/l	--	--	--	<0.05
Potassium, Dissolved	mg/l	--	--	--	3
Silicon, Dissolved	mg/l	--	--	--	3.83
Silver, Dissolved	mg/l	--	--	--	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	20.9
Strontium, Dissolved	mg/l	--	--	--	0.324
Titanium, Dissolved	mg/l	--	--	--	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005
Zinc, Dissolved	mg/l	--	5	--	0.04

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-11S 07-May-1992	91-11S 19-Aug-1992	91-11S 23-Nov-1992
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	340	290	280
Ammonia Nitrogen	mg/l	--	--	--	0.34	0.33	0.14
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	7	5	<3
Bromide	mg/l	--	--	--	0.32	0.19	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	76	60	<5
Chloride	mg/l	--	250	--	36	23	16
Conductivity	uS/cm	--	--	--	1000	1000	800
Cyanide	mg/l	0.2	--	--	--	<0.001	0.002
Fluoride	mg/l	1.5	--	--	0.49	1.1	0.46
Hardness, Calcium Carbonate	mg/l	--	--	100	*357*	--	*490*
Nitrate	mg/l	-- [7]	--	--	0.15	0.13	0.15
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.76*	<0.1	0.04
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.1	0.26	0.18
pH	-	--	--	8.5	7	7.2	7.1
Phosphate	mg/l	--	--	--	0.12	<0.1	<0.1
Phosphorus	mg/l	--	--	--	0.68	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	310	260	180
Temperature	deg c	--	15	--	9	8	9
Metals							
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	--	0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	--	0.0005
Barium, Dissolved	mg/l	1	--	--	0.06	--	0.14
Beryllium, Dissolved	mg/l	--	--	--	<0.005	--	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.05	--	0.08
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	--	<0.0002
Calcium, Dissolved	mg/l	--	--	--	120	--	170
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	--	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	--	0.02
Copper, Dissolved	mg/l	--	1	--	<0.01	--	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.05	--	0.14
Lead, Dissolved	mg/l	0.01	--	--	<0.05	--	<0.05
Magnesium, Dissolved	mg/l	--	--	--	14	--	19
Manganese, Dissolved	mg/l	--	0.05	--	0.27	--	0.02
Molybdenum, Dissolved	mg/l	--	--	--	<0.5	--	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	--	<0.01
Potassium, Dissolved	mg/l	--	--	--	3.5	--	3.5
Silicon, Dissolved	mg/l	--	--	--	4.7	--	6
Silver, Dissolved	mg/l	--	--	--	<0.005	--	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	69	--	42
Strontium, Dissolved	mg/l	--	--	--	1	--	0.83
Titanium, Dissolved	mg/l	--	--	--	<0.005	--	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	--	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-1D 18-Apr-1991	91-1D 29-Aug-1991	91-1D 19-Nov-1991	91-1D 06-May-1992	91-1D 06-May-1992 91-1D-FD (Field Duplicate)	91-1D 19-Aug-1992	91-1D 19-Aug-1992 91-1D-FD (Field Duplicate)	91-1D 18-Nov-1992
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	266	300	300	280	280	260	270	260
Ammonia Nitrogen	mg/l	--	--	--	0.21	0.23	0.25	0.19	0.2	0.27	0.47	0.18
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	4	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	23	16	61	<5	7	18	53	12
Chloride	mg/l	--	250	--	1.7	11	9.8	2.3	2.3	4.5	4.5	4
Conductivity	uS/cm	--	--	--	310	550	600	580	580	600	600	575
Cyanide	mg/l	0.2	--	--	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Fluoride	mg/l	1.5	--	--	0.44	0.56	0.65	0.42	0.36	0.51	0.51	0.38
Hardness, Calcium Carbonate	mg/l	--	--	100	*280*	*320*	*320*	*330*	*328*	*350*	*350*	*340*
Nitrate	mg/l	-- [7]	--	--	0.13	0.12	<0.1	<0.1	<0.1	0.12	0.13	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.005	0.019	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.46*	*0.36*	0.08	*0.45*	0.1	<0.1	<0.1	0.02
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.67	0.59	0.33	0.64	0.3	0.27	0.2	0.2
pH	-	--	--	8.5	7.45	--	7.4	7.3	7.3	7.4	7.4	7.2
Phosphate	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.5	<0.5	0.18	0.32	0.13	0.24	<0.1
Sulfate	mg/l	--	500 [9]	--	49	42	48	49	49	61	62	56
Temperature	deg c	--	15	--	6.11	10	8.9	12	12	7	7	8
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	<0.05	<0.05	<0.05	0.06	0.08	0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.0018	0.0015	0.002	0.002	0.0021	0.0021	0.003
Barium, Dissolved	mg/l	1	--	--	0.061	0.073	0.072	0.06	0.06	0.07	0.07	0.07
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.065	0.053	0.07	0.08	0.07	0.07	0.06	0.1
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	64.9	77.7	78.8	78	77	86	86	83
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.17	0.91	0.84	1.1	1.1	1.6	1.6	1.4
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	26.2	30.5	29.9	33	33	34	34	32
Manganese, Dissolved	mg/l	--	0.05	--	0.32	0.35	0.31	0.43	0.43	0.42	0.43	0.45
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	2	3.1	3	2.8	2.8	2.9	2.8	3.4
Silicon, Dissolved	mg/l	--	--	--	4.07	4.6	4.34	4	4	3.4	3.4	4.7
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	14	8.4	10.7	1.7	1.6	3.9	3.9	<10
Strontium, Dissolved	mg/l	--	--	--	8.95	13	12.8	13	13	14	14	13
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	0.008	0.008	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-2D 18-Apr-1991	91-2D 03-Sep-1991	91-2D 14-Nov-1991	91-2D 05-May-1992	91-2D 18-Aug-1992	91-2D 19-Nov-1992
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	580	40	510	620	680	600
Ammonia Nitrogen	mg/l	--	--	--	0.4	0.57	0.54	0.49	0.68	0.45
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	6	3	5	<3	4	4
Bromide	mg/l	--	--	--	1	1	1	1.2	1.5	1.1
Chemical Oxygen Demand	mg/l	--	--	--	74	44	41	49	118	53
Chloride	mg/l	--	250	--	230	220	240	230	260	250
Conductivity	uS/cm	--	--	--	1500	1300	1600	1550	1600	1700
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Fluoride	mg/l	1.5	--	--	0.63	0.68	0.69	0.56	0.58	0.57
Hardness, Calcium Carbonate	mg/l	--	--	100	*710*	*646*	*663*	*783*	*800*	*780*
Nitrate	mg/l	-- [7]	--	--	0.13	0.1	<0.1	0.1	0.13	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.5	0.005	0.019	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*1.2*	*0.63*	*1.26*	*0.61*	*0.82*	*0.65*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.6	1.2	1.8	1.1	1.5	1.1
pH	-	--	--	8.5	7.23	7.4	7.2	6.9	7.2	7.2
Phosphate	mg/l	--	--	--	<0.2	<0.2	<0.1	0.14	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.5	<0.5	0.41	0.64	<0.1
Sulfate	mg/l	--	500 [9]	--	30	42	46	48	40	36
Temperature	deg c	--	15	--	4.4	14.4	8.3	11	7	7
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	<0.05	<0.05	0.06	0.06
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.0016	0.0016	0.002	0.0016	0.002
Barium, Dissolved	mg/l	1	--	--	0.289	0.248	0.236	0.28	0.3	0.33
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.356	0.33	0.34	0.4	0.47	0.38
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	0.0002	0.0025	<0.0002
Calcium, Dissolved	mg/l	--	--	--	165	143	147	170	180	180
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.005	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.64	2.07	1.79	2.5	2.8	3.8
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	86.3	70.3	72	87	84	81
Manganese, Dissolved	mg/l	--	0.05	--	0.51	0.51	0.6	0.77	0.69	0.96
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	5.5	5	6	6.3	5.4	7.1
Silicon, Dissolved	mg/l	--	--	--	10.6	9.44	9.25	9	7.6	11
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	56.8	79	106	140	130	76
Strontium, Dissolved	mg/l	--	--	--	11.6	9.47	8.68	10	9.3	10
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	0.02	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-2M 18-Apr-1991	91-2M 18-Apr-1991 91-2M-FD (Field Duplicate)	91-2M 03-Sep-1991	91-2M 14-Nov-1991	91-2M 18-Aug-1992
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	510	620	410	670	670
Ammonia Nitrogen	mg/l	--	--	--	0.37	0.36	0.42	3.1	0.54
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	8	4	<3	3	<3
Bromide	mg/l	--	--	--	0.37	0.47	1.1	1.1	2
Chemical Oxygen Demand	mg/l	--	--	--	43	67	36	14	206
Chloride	mg/l	--	250	--	88	110	240	240	340
Conductivity	uS/cm	--	--	--	650	650	1450	1275	2100
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001
Fluoride	mg/l	1.5	--	--	0.4	0.39	0.44	0.37	0.36
Hardness, Calcium Carbonate	mg/l	--	--	100	*540*	*630*	*818*	*824*	*1200*
Nitrate	mg/l	-- [7]	--	--	2.7	2.7	<0.1	<0.1	0.12
Nitrite	mg/l	-- [8]	--	--	<0.5	<0.5	<0.005	0.012	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.22*	*1.74*	*0.51*	*1.1*	*0.86*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.59	2.1	0.93	4.2	1.4
pH	-	--	--	8.5	7.01	7.01	7.3	6.9	6.9
Phosphate	mg/l	--	--	--	<0.2	<0.2	0.03	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.5	<0.5	<0.5	0.15
Sulfate	mg/l	--	500 [9]	--	37	35	21	32	19
Temperature	deg c	--	15	--	5	5	14.4	8.3	7
Metals									
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	<0.001	0.0007	0.0006	0.0031
Barium, Dissolved	mg/l	1	--	--	0.237	0.195	0.4	0.496	0.52
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.265	0.129	0.36	0.39	0.65
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	0.0025
Calcium, Dissolved	mg/l	--	--	--	129	97.6	196	205	280
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.88	0.07	0.31	0.56	2
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	49.7	33	79.9	75.9	110
Manganese, Dissolved	mg/l	--	0.05	--	0.69	0.2	2.92	2.96	3.1
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.5
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, Dissolved	mg/l	--	--	--	4	5	4	7	5
Silicon, Dissolved	mg/l	--	--	--	8.44	6.83	9.32	9.42	8.3
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	38.4	23.4	68.6	109	100
Strontium, Dissolved	mg/l	--	--	--	4.79	2.54	8.83	5.07	12
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-2S 18-Apr-1991	91-2S 04-Sep-1991	91-2S 19-Nov-1991	91-2S 05-May-1992	91-2S 18-Aug-1992	91-2S 19-Nov-1992
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	610	360	380	390	340	360
Ammonia Nitrogen	mg/l	--	--	--	0.52	0.26	0.27	0.17	0.17	0.21
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	9	5	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.61	0.51	0.53	0.5	0.54	0.41
Chemical Oxygen Demand	mg/l	--	--	--	130	25	31	36	<5	42
Chloride	mg/l	--	250	--	140	99	96	91	100	99
Conductivity	uS/cm	--	--	--	1850	1100	1225	1100	1000	1150
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	0.003
Fluoride	mg/l	1.5	--	--	<0.1	0.38	0.43	0.51	0.57	0.61
Hardness, Calcium Carbonate	mg/l	--	--	100	*690*	*357*	*407*	*445*	*480*	*420*
Nitrate	mg/l	-- [7]	--	--	3.3	0.29	0.23	0.4	0.54	0.29
Nitrite	mg/l	-- [8]	--	--	0.56	0.017	0.024	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*1.48*	*0.31*	*1.53*	*0.29*	0.15	*0.2*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2	0.57	1.8	0.46	0.32	0.41
pH	-	--	--	8.5	6.96	7.6	7.6	7	7.5	7.7
Phosphate	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.1	<0.1	0.13
Phosphorus	mg/l	--	--	--	<0.5	<0.5	<0.5	0.26	<0.1	0.3
Sulfate	mg/l	--	500 [9]	--	430	22	210	180	97	240
Temperature	deg c	--	15	--	5.6	15.6	9.4	11	8	8
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	*0.14*	<0.05	<0.05	*0.11*	*0.16*
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.0004	0.0001	<0.001	0.0002	0.0006
Barium, Dissolved	mg/l	1	--	--	0.083	0.065	0.087	0.12	0.13	0.1
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.203	0.13	0.1	0.11	0.16	0.11
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0025	<0.0002
Calcium, Dissolved	mg/l	--	--	--	100	89.2	96.9	99	110	96
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.04	0.2	0.03	0.05	0.09	0.19
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	30.4	32.7	40	48	49	43
Manganese, Dissolved	mg/l	--	0.05	--	0.83	0.52	0.2	0.07	0.13	0.27
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	6.7	6	5	4.7	5.2	5.8
Silicon, Dissolved	mg/l	--	--	--	5.24	7.25	5.6	5.1	4.7	6.4
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	341	172	113	93	95	100
Strontium, Dissolved	mg/l	--	--	--	3.23	3.16	3.57	4.4	4.4	3.7
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.0005	<0.005	<0.005	0.01	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	0.02	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3D 29-Apr-1991	91-3D 03-Sep-1991	91-3D 13-Nov-1991	91-3D 07-May-1992	91-3D 19-Aug-1992	91-3D 19-Nov-1992
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	382	260	430	430	580	420
Ammonia Nitrogen	mg/l	--	--	--	0.32	0.21	0.19	0.39	1.3	0.31
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.4	0.37	0.42	0.37	0.83	0.18
Chemical Oxygen Demand	mg/l	--	--	--	18	18	16	18	<5	<5
Chloride	mg/l	--	250	--	94	84	110	85	170	70
Conductivity	uS/cm	--	--	--	500	850	1175	1000	1500	975
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
Fluoride	mg/l	1.5	--	--	0.43	0.42	0.41	0.2	0.62	0.36
Hardness, Calcium Carbonate	mg/l	--	--	100	*460*	*482*	*533*	*551*	*750*	*540*
Nitrate	mg/l	-- [7]	--	--	1.2	0.78	0.19	2.7	0.11	5.2
Nitrite	mg/l	-- [8]	--	--	<0.5	<0.005	0.012	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	0.02	*0.3*	*0.41*	*0.17*	*0.5*	*0.39*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.34	0.51	0.6	0.56	1.8	0.7
pH	-	--	--	8.5	7.5	7.6	7.2	6.4	6.9	7.1
Phosphate	mg/l	--	--	--	<0.1	0.04	0.02	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	35	42	41	33	34	34
Temperature	deg c	--	15	--	5.6	13.3	8.3	10	8	8
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	0.05	0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.0004	0.0003	<0.001	0.0034	0.0003
Barium, Dissolved	mg/l	1	--	--	0.296	0.299	0.267	0.32	0.39	0.36
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.156	0.18	0.21	0.21	0.42	0.16
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.005	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	117	124	134	140	190	140
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.005	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.02	0.01	0.02	0.05	2.1	<0.05
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	44.2	41.9	48.2	49	67	45
Manganese, Dissolved	mg/l	--	0.05	--	1.74	0.97	1.74	1.2	0.96	0.89
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	4.1	8	5	6.1	5.8	7.1
Silicon, Dissolved	mg/l	--	--	--	7.24	6.95	7.39	7.8	7.7	7.9
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	40.2	37.1	36	41	99	33
Strontium, Dissolved	mg/l	--	--	--	4.56	3.04	3.84	3.9	8	3
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	0.01	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3M 29-Apr-1991	91-3M 03-Sep-1991	91-3M 13-Nov-1991	91-3M 13-Nov-1991 91-3M-FD (Field Duplicate)	91-3M 07-May-1992	91-3M 19-Aug-1992	91-3M 19-Nov-1992
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	512	360	530	550	590	420	530
Ammonia Nitrogen	mg/l	--	--	--	0.52	0.77	1.1	1.1	1.1	0.41	1.5
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	3	<3	<3
Bromide	mg/l	--	--	--	0.59	0.6	0.62	0.61	0.76	0.57	0.66
Chemical Oxygen Demand	mg/l	--	--	--	35	28	32	28	32	<5	34
Chloride	mg/l	--	250	--	150	140	160	160	140	120	170
Conductivity	uS/cm	--	--	--	720	1100	1500	1500	1450	1200	1400
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
Fluoride	mg/l	1.5	--	--	0.72	0.69	0.62	0.67	0.28	0.36	0.53
Hardness, Calcium Carbonate	mg/l	--	--	100	*590*	*572*	*623*	*625*	*721*	*630*	*750*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	0.1	0.11	0.77	0.71	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.5	0.005	<0.005	0.007	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.41*	*0.53*	*1.4*	*1.2*	*0.5*	<0.1	*0.3*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.93	1.3	2.5	2.3	1.6	0.49	1.8
pH	-	--	--	8.5	7	7.5	7.2	7.2	6.7	6.9	7
Phosphate	mg/l	--	--	--	<0.1	0.03	<0.01	<0.01	0.15	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	38	40	43	42	33	35	38
Temperature	deg c	--	15	--	5	13.3	8.3	8.3	10	8	8
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.0041	0.0029	0.0031	0.001	0.0002	0.0041
Barium, Dissolved	mg/l	1	--	--	0.286	0.305	0.307	0.307	0.41	0.44	0.39
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.23	0.28	0.3	0.3	0.35	0.33	0.35
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	141	143	156	155	180	160	190
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.71	1.19	1.14	1.08	0.94	0.07	1.6
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	52.9	52.3	56.7	57.1	66	55	67
Manganese, Dissolved	mg/l	--	0.05	--	0.62	0.71	0.74	0.74	0.91	1.9	0.95
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.01
Potassium, Dissolved	mg/l	--	--	--	3.6	4	4	4	5.3	5.2	5.5
Silicon, Dissolved	mg/l	--	--	--	8.52	9.07	9.28	9.46	9.7	6.2	10
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	67.2	76.1	74.1	74.2	81	56	76
Strontium, Dissolved	mg/l	--	--	--	6.56	6.75	6.68	6.64	7.4	4.1	8
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	0.02	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3S 03-Sep-1991	91-3S 13-Nov-1991	91-3S 07-May-1992	91-3S 19-Aug-1992	91-3S 19-Nov-1992
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	220	510	790	590	540
Ammonia Nitrogen	mg/l	--	--	--	0.41	0.88	0.4	0.24	0.25
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	3	<3	4	<3	<3
Bromide	mg/l	--	--	--	0.29	0.23	0.23	0.25	0.18
Chemical Oxygen Demand	mg/l	--	--	--	75	53	130	<5	23
Chloride	mg/l	--	250	--	80	66	75	65	73
Conductivity	uS/cm	--	--	--	900	1350	1050	1100	1000
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	0.002
Fluoride	mg/l	1.5	--	--	0.61	0.51	0.45	0.35	0.35
Hardness, Calcium Carbonate	mg/l	--	--	100	*421*	*347*	*497*	*570*	*550*
Nitrate	mg/l	-- [7]	--	--	0.37	1.2	0.6	1.5	0.94
Nitrite	mg/l	-- [8]	--	--	0.042	0.05	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.2*	*1.42*	*0.8*	*0.32*	*0.33*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.61	2.3	1.2	0.56	0.58
pH	-	--	--	8.5	7.7	7.4	7	7	7.2
Phosphate	mg/l	--	--	--	<0.2	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.5	3.8	0.44	1
Sulfate	mg/l	--	500 [9]	--	78	72	60	58	66
Temperature	deg c	--	15	--	14.4	10	10	9	8
Metals									
Aluminum, Dissolved	mg/l	--	--	0.1	0.05	0.05	0.06	0.06	0.06
Arsenic, Dissolved	mg/l	0.025	--	--	0.0019	0.0028	<0.001	0.0004	0.001
Barium, Dissolved	mg/l	1	--	--	0.182	0.136	0.15	0.18	0.16
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.15	0.15	0.16	0.2	0.14
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.005	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	102	83.1	120	140	140
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.03	0.04	0.14	0.1	<0.05
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	40.4	33.9	48	54	52
Manganese, Dissolved	mg/l	--	0.05	--	0.15	0.09	0.13	0.16	0.13
Molybdenum, Dissolved	mg/l	--	--	--	<2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	10	13	9.3	9.7	11
Silicon, Dissolved	mg/l	--	--	--	7.63	7.56	7.7	5.9	8.3
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.0001	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	99.1	125	72	54	48
Strontium, Dissolved	mg/l	--	--	--	3.03	2.2	3.2	3.5	3
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	0.01	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-5D 29-Apr-1991	91-5D 04-Sep-1991	91-5D 13-Nov-1991	91-5D 07-May-1992	91-5D 19-Aug-1992	91-5D 23-Nov-1992
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	320	400	230	240	240	260
Ammonia Nitrogen	mg/l	--	--	--	0.13	0.13	0.32	0.21	0.43	0.15
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.26	0.12	0.1	0.12	0.12	0.13
Chemical Oxygen Demand	mg/l	--	--	--	39	<5	18	18	<5	<5
Chloride	mg/l	--	250	--	59	17	14	12	12	14
Conductivity	uS/cm	--	--	--	820	500	650	450	600	550
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
Fluoride	mg/l	1.5	--	--	0.11	0.38	0.42	0.29	0.35	0.34
Hardness, Calcium Carbonate	mg/l	--	--	100	*340*	74.7	70.5	68.4	60	71
Nitrate	mg/l	-- [7]	--	--	0.32	<0.1	0.15	0.11	0.19	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	0.005	0.012	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	0.09	0.11	*0.36*	*0.21*	<0.1	0.12
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.22	0.24	0.68	0.42	0.51	0.27
pH	-	--	--	8.5	7.34	7.9	7.9	7.3	7.9	7.2
Phosphate	mg/l	--	--	--	<0.2	0.13	<0.2	0.12	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	85	43	37	33	32	30
Temperature	deg c	--	15	--	5.6	15	8.3	9	7	8
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	0.07	0.09	0.06	<0.05	*0.21*	0.08
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.0013	0.0007	<0.001	0.0005	0.0006
Barium, Dissolved	mg/l	1	--	--	0.072	0.046	0.042	0.04	0.02	0.04
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.563	0.53	0.52	0.56	0.46	0.46
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	75.3	20.9	19.6	19	17	20
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.04	0.19	0.08	0.04	0.09	<0.05
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	**0.05**
Magnesium, Dissolved	mg/l	--	--	--	22.9	5.46	5.25	5.1	4.4	5
Manganese, Dissolved	mg/l	--	0.05	--	0.12	0.04	0.03	0.02	0.02	0.03
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.5	<0.05	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	2.8	2	2	1.9	<2	2.1
Silicon, Dissolved	mg/l	--	--	--	5.74	4.43	4.78	5.2	4.6	6.7
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	56.8	111	107	110	120	100
Strontium, Dissolved	mg/l	--	--	--	1.9	0.513	0.478	0.53	0.46	0.54
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-5S 04-Sep-1991	91-5S 04-Sep-1991 91-5S-FD (Field Duplicate)	91-5S 13-Nov-1991	91-5S 07-May-1992	91-5S 19-Aug-1992	91-5S 23-Nov-1992
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	290	350	450	420	440	430
Ammonia Nitrogen	mg/l	--	--	--	0.26	0.2	0.46	0.78	0.73	0.92
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	3	<3	5
Bromide	mg/l	--	--	--	0.29	0.44	0.64	0.6	0.7	0.7
Chemical Oxygen Demand	mg/l	--	--	--	17	17	14	23	<5	27
Chloride	mg/l	--	250	--	95	46	49	67	47	62
Conductivity	uS/cm	--	--	--	850	850	975	1000	1000	875
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
Fluoride	mg/l	1.5	--	--	0.12	0.17	0.14	0.23	0.14	0.17
Hardness, Calcium Carbonate	mg/l	--	--	100	*431*	*427*	*463*	*468*	*500*	*570*
Nitrate	mg/l	-- [7]	--	--	0.47	0.35	0.14	0.39	0.26	0.62
Nitrite	mg/l	-- [8]	--	--	0.054	0.022	0.012	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	0.13	*0.19*	*0.2*	0.12	*0.37*	*0.18*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.39	0.39	0.66	0.9	1.1	1.1
pH	-	--	--	8.5	7.7	7.7	7.4	6.2	6.8	6.6
Phosphate	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.5	<0.5	0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	71	64	63	60	55	57
Temperature	deg c	--	15	--	13.3	13.3	8.3	9	9	8
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	0.08	0.06
Arsenic, Dissolved	mg/l	0.025	--	--	0.0008	0.0008	0.0007	<0.001	0.0007	<0.0001
Barium, Dissolved	mg/l	1	--	--	0.106	0.111	0.115	0.13	0.14	0.17
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.16	0.16	0.22	0.3	0.26	0.26
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	117	116	127	130	140	160
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.13	0.16	0.4	0.66	0.77	0.11
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	33.6	33.3	35.4	35	37	40
Manganese, Dissolved	mg/l	--	0.05	--	0.05	0.05	0.08	0.75	0.95	1.6
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	2	2	3	4	4.1	4.6
Silicon, Dissolved	mg/l	--	--	--	6.71	6.69	6.86	7.3	6.6	7
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	41.7	44.3	51.6	80	55	38
Strontium, Dissolved	mg/l	--	--	--	1.27	1.28	1.2	1.3	1.2	1.3
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	0.01	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-6D 29-Apr-1991	91-6D 04-Sep-1991	91-6D 04-Sep-1991 91-6D-FD (Field Duplicate)	91-6D 13-Nov-1991	91-6D 05-May-1992	91-6D 18-Aug-1992	91-6D 19-Nov-1992
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	280	580	270	330	310	280	280
Ammonia Nitrogen	mg/l	--	--	--	<0.1	0.15	0.11	0.18	0.18	0.17	0.16
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.13	0.3	0.22	0.29	0.25	0.18	0.1
Chemical Oxygen Demand	mg/l	--	--	--	8.7	10	10	31	17	<5	<5
Chloride	mg/l	--	250	--	40	78	61	87	57	49	48
Conductivity	uS/cm	--	--	--	700	750	750	1000	820	725	700
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Fluoride	mg/l	1.5	--	--	0.59	0.63	0.68	0.61	0.45	0.51	0.58
Hardness, Calcium Carbonate	mg/l	--	--	100	*330*	*428*	*424*	*461*	*414*	*430*	*400*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	0.1	<0.1	0.11	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	0.008	0.005	0.01	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.23*	*0.2*	*0.46*	*0.23*	0.12	0.05
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.1	0.38	0.31	0.64	0.41	0.29	0.21
pH	-	--	--	8.5	7.57	7.9	7.9	7.5	7.1	7.5	7.5
Phosphate	mg/l	--	--	--	0.2	0.42	0.06	<0.2	0.13	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.5	<0.5	<0.5	0.51	0.34	0.13
Sulfate	mg/l	--	500 [9]	--	50	45	46	46	47	50	48
Temperature	deg c	--	15	--	3.9	11.7	11.7	7.8	10	8	7
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	0.06	<0.05	<0.05	<0.05	<0.05	0.06	0.08
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.0008	0.0009	0.0008	<0.001	0.0006	0.001
Barium, Dissolved	mg/l	1	--	--	0.118	0.168	0.168	0.175	0.15	0.15	0.15
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.033	0.07	0.07	0.11	0.08	0.11	0.09
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	77.2	106	105	115	100	110	100
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.34	0.71	0.74	0.52	0.44	0.49	0.44
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	30.4	39.6	39.5	42.3	40	38	37
Manganese, Dissolved	mg/l	--	0.05	--	0.13	0.18	0.18	0.19	0.16	0.16	0.15
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	2	2	2	3	2.6	2.6	3
Silicon, Dissolved	mg/l	--	--	--	6.91	7.2	7.28	7.41	6.8	6	8.4
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	11.3	17.9	17.8	19.2	16	14	12
Strontium, Dissolved	mg/l	--	--	--	2.67	4.05	4.05	4.18	3.9	3.5	3.4
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	0.009	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-6S 29-Apr-1991	91-6S 04-Sep-1991	91-6S 13-Nov-1991	91-6S 05-May-1992	91-6S 18-Aug-1992	91-6S 19-Nov-1992
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	1020	220	800	550	410	410
Ammonia Nitrogen	mg/l	--	--	--	0.25	0.12	0.26	0.23	0.24	0.23
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	5	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	70	109	53	14	24	5.7
Chloride	mg/l	--	250	--	7.6	17	11	7.9	7.8	5.3
Conductivity	uS/cm	--	--	--	680	425	575	600	600	600
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Fluoride	mg/l	1.5	--	--	0.13	0.39	0.28	0.11	0.17	0.2
Hardness, Calcium Carbonate	mg/l	--	--	100	*325*	*274*	*297*	*368*	*340*	*390*
Nitrate	mg/l	-- [7]	--	--	<0.1	0.16	0.13	0.12	0.11	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	0.022	0.02	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.53*	*0.28*	*0.43*	*0.37*	0.13	0.06
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.78	0.3	0.69	0.6	0.37	0.29
pH	-	--	--	8.5	7.55	8.2	7.8	7.2	7.6	7.5
Phosphate	mg/l	--	--	--	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.5	<0.5	6.9	4.4	1.3
Sulfate	mg/l	--	500 [9]	--	63	41	43	52	49	55
Temperature	deg c	--	15	--	4.4	10.6	7.8	10	9	8
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	0.05	<0.05	0.06	0.06
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.0012	0.0015	<0.001	0.0003	0.001
Barium, Dissolved	mg/l	1	--	--	0.105	0.111	0.131	0.11	0.12	0.14
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.005	0.01	0.01	<0.05	0.05	0.05
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	64.4	54.5	60.4	73	71	81
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	1.34	0.13	0.1	0.69	1.1	1.1
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	40	33.6	35.4	45	40	45
Manganese, Dissolved	mg/l	--	0.05	--	0.04	0.03	0.02	0.02	0.02	0.02
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	2.7	2	3	2	<2	2.6
Silicon, Dissolved	mg/l	--	--	--	12.2	13.2	14.2	12	11	16
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	9.5	6.7	5.8	6.7	8.2	<10
Strontium, Dissolved	mg/l	--	--	--	0.248	0.412	0.32	0.31	0.3	0.28
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	0.01	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-7D 29-Apr-1991	91-7D 04-Sep-1991	91-7D 13-Nov-1991	91-7D 07-May-1992	91-7D 18-Aug-1992	91-7D 18-Nov-1992	91-7D 18-Nov-1992 91-7D-FD (Field Duplicate)
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	390	290	290	290	200	290	290
Ammonia Nitrogen	mg/l	--	--	--	0.13	<0.1	0.22	0.19	0.31	0.12	0.13
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.31	0.3	0.2	0.14	0.2	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	9.2	8	35	8.2	81	28	31
Chloride	mg/l	--	250	--	190	250	420	240	160	360	380
Conductivity	uS/cm	--	--	--	1240	1000	1850	1250	1150	1525	1525
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	0.003
Fluoride	mg/l	1.5	--	--	0.18	0.38	0.33	0.2	0.37	0.23	0.27
Hardness, Calcium Carbonate	mg/l	--	--	100	*450*	*551*	*652*	*563*	*570*	*630*	*630*
Nitrate	mg/l	-- [7]	--	--	0.23	0.27	0.13	1.1	1.8	0.33	0.34
Nitrite	mg/l	-- [8]	--	--	<0.5	0.008	0.012	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	0.07	*0.33*	*0.51*	0.11	*0.69*	0.09	0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.2	0.33	0.73	0.3	1	0.21	0.23
pH	-	--	--	8.5	7.15	7.9	7.3	6.3	7.1	7	7
Phosphate	mg/l	--	--	--	<0.2	0.07	<0.2	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	43	65	87	47	50	71	73
Temperature	deg c	--	15	--	5.6	12.2	7.2	10	7	7	7
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.06
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.0002	0.0001	<0.001	0.0002	0.0004	0.0004
Barium, Dissolved	mg/l	1	--	--	0.166	0.198	0.236	0.18	0.19	0.21	0.21
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.103	0.17	0.18	0.09	0.14	0.15	0.15
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	132	140	168	150	150	160	160
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.04	0.15	0.08	0.03	0.07	<0.05	<0.05
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	44.6	48.8	56.5	46	47	53	52
Manganese, Dissolved	mg/l	--	0.05	--	0.68	1.38	1.66	0.44	0.79	1.2	1.2
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	2.6	3	4	3.2	3.6	4.5	4.4
Silicon, Dissolved	mg/l	--	--	--	6.68	6.99	6.97	7.1	5.4	7.2	7.2
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	56.1	73.5	115	81	66	87	86
Strontium, Dissolved	mg/l	--	--	--	2.46	3.45	3.49	2.5	2.7	3.1	3.1
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-7S 29-Apr-1991	91-7S 29-Apr-1991 91-7S-FD (Field Duplicate)	91-7S 04-Sep-1991	91-7S 13-Nov-1991	91-7S 07-May-1992	91-7S 18-Aug-1992	91-7S 18-Aug-1992 91-7S-FD (Field Duplicate)	91-7S 18-Nov-1992
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	390	--	320	340	350	340	340	310
Ammonia Nitrogen	mg/l	--	--	--	0.16	0.15	0.28	0.31	0.23	0.24	0.34	0.18
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.28	0.28	0.31	0.25	0.22	0.28	0.28	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	17	15	12	150	19	25	10	8
Chloride	mg/l	--	250	--	78	78	170	310	110	200	210	340
Conductivity	uS/cm	--	--	--	960	960	900	1650	1000	1200	1200	1500
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Fluoride	mg/l	1.5	--	--	0.25	0.27	0.38	0.33	0.3	0.28	0.29	0.26
Hardness, Calcium Carbonate	mg/l	--	--	100	*450*	*460*	*543*	*635*	*522*	*640*	*630*	*650*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	0.18	<0.1	0.12	0.12	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.5	<0.5	0.008	0.02	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	0.03	0.04	*0.29*	*0.45*	0.13	<0.1	<0.1	0.08
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.19	0.19	0.57	0.76	0.36	0.27	0.41	0.26
pH	-	--	--	8.5	7.24	7.24	7.8	7.3	6.9	7.3	7.3	7.2
Phosphate	mg/l	--	--	--	<0.2	<0.2	0.41	<0.1	<0.1	<0.1	<0.1	0.15
Phosphorus	mg/l	--	--	--	<0.5	<0.5	<0.5	<0.5	0.27	0.24	<0.1	0.14
Sulfate	mg/l	--	500 [9]	--	33	33	50	71	40	55	55	72
Temperature	deg c	--	15	--	5.6	5.6	13.9	6.7	10	8	8	7
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	0.08	0.06
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	<0.001	0.0011	0.0009	<0.001	0.0007	0.0008	0.0011
Barium, Dissolved	mg/l	1	--	--	0.234	0.231	0.29	0.362	0.25	0.32	0.31	0.35
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.141	0.148	0.21	0.26	0.18	0.23	0.23	0.18
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.001	<0.001	<0.0002
Calcium, Dissolved	mg/l	--	--	--	110	113	140	163	140	170	170	170
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.7	0.72	1.77	1.74	0.82	1.2	1.2	1.2
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	37.2	37.6	47	55.4	42	52	51	54
Manganese, Dissolved	mg/l	--	0.05	--	0.33	0.33	0.36	0.44	0.36	0.4	0.4	0.44
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	1.6	2.8	2	3	2.4	2	2.6	3.6
Silicon, Dissolved	mg/l	--	--	--	7.53	7.67	8.15	8.05	8.2	6.5	6.5	8.4
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	27.6	27.3	48.7	81.3	73	60	62	71
Strontium, Dissolved	mg/l	--	--	--	3.14	3.1	3.82	4.24	3.1	3.4	3.4	4
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-8 29-Apr-1991	91-8 06-May-1992	91-8 19-Nov-1992
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	330	920	400
Ammonia Nitrogen	mg/l	--	--	--	0.26	0.18	0.22
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	190	26	<5
Chloride	mg/l	--	250	--	2	6.7	11
Conductivity	uS/cm	--	--	--	760	680	650
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	0.002
Fluoride	mg/l	1.5	--	--	0.12	<0.1	0.19
Hardness, Calcium Carbonate	mg/l	--	--	100	*360*	*414*	*420*
Nitrate	mg/l	-- [7]	--	--	6.1	2.1	0.13
Nitrite	mg/l	-- [8]	--	--	0.11	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*4.04*	*1.12*	0.04
Nitrogen, Total Kjeldahl	mg/l	--	--	--	4.3	1.3	0.26
pH	-	--	--	8.5	7.28	7.2	7.1
Phosphate	mg/l	--	--	--	<0.2	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	9.3	1.9
Sulfate	mg/l	--	500 [9]	--	34	50	53
Temperature	deg c	--	15	--	4.4	9	8
Metals							
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	0.06
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	<0.001	0.0006
Barium, Dissolved	mg/l	1	--	--	0.053	0.05	0.07
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.005	<0.05	0.05
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0002
Calcium, Dissolved	mg/l	--	--	--	91.8	100	110
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.02	0.06	0.02
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	35.8	40	37
Manganese, Dissolved	mg/l	--	0.05	--	0.14	<0.01	<0.005
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	1	1.4	3.1
Silicon, Dissolved	mg/l	--	--	--	6.29	6.4	7.5
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	5.9	7.1	<10
Strontium, Dissolved	mg/l	--	--	--	0.16	0.19	0.27
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	0.009	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-9D 19-Nov-1991	91-9D 07-May-1992	91-9D 07-May-1992 91-9D-FD (Field Duplicate)	91-9D 19-Aug-1992	91-9D 23-Nov-1992
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	140	110	110	180	120
Ammonia Nitrogen	mg/l	--	--	--	0.17	0.2	0.2	0.33	0.14
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	21	18	12	21	<5
Chloride	mg/l	--	250	--	6.7	5.7	5.8	7.5	5.1
Conductivity	uS/cm	--	--	--	405	290	290	475	305
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.002
Fluoride	mg/l	1.5	--	--	0.1	0.15	<0.1	<0.1	0.13
Hardness, Calcium Carbonate	mg/l	--	--	100	*187*	*150*	*145*	*260*	*170*
Nitrate	mg/l	-- [7]	--	--	0.16	1	0.94	0.13	1.1
Nitrite	mg/l	-- [8]	--	--	0.017	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.24*	*0.31*	*0.24*	<0.1	*0.45*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.41	0.51	0.44	0.39	0.59
pH	-	--	--	8.5	6.8	6.2	6.2	6.6	6.3
Phosphate	mg/l	--	--	--	<0.2	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.1	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	59	24	25	62	30
Temperature	deg c	--	15	--	9.4	10	10	6	8
Metals									
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	*0.15*	0.09	0.06	*0.16*
Arsenic, Dissolved	mg/l	0.025	--	--	0.0007	<0.001	<0.001	0.0002	0.0003
Barium, Dissolved	mg/l	1	--	--	0.125	0.09	0.09	0.13	0.07
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.03	<0.05	<0.05	<0.05	0.06
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	55.8	42	40	74	46
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	0.02
Iron, Dissolved	mg/l	--	0.3	--	1.89	0.33	0.31	0.68	0.08
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	11.5	11	11	18	13
Manganese, Dissolved	mg/l	--	0.05	--	0.47	0.1	0.1	0.17	0.09
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.5	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	1	0.9	0.95	<2	<2
Silicon, Dissolved	mg/l	--	--	--	3.9	3.7	3.7	2.9	4.1
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	9	7	6.9	13	<10
Strontium, Dissolved	mg/l	--	--	--	0.096	0.075	0.077	0.12	0.07
Titanium, Dissolved	mg/l	--	--	--	<0.005	0.007	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	0.01	0.01	0.01	0.02

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-9S 19-Nov-1991	91-9S 19-Nov-1991 91-9S-FD (Field Duplicate)	91-9S 07-May-1992	91-9S 19-Aug-1992	91-9S 19-Aug-1992 91-9S-FD (Field Duplicate)	91-9S 19-Nov-1992	91-9S 19-Nov-1992 91-9S-FD (Field Duplicate)
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	100	100	92	170	160	92	95
Ammonia Nitrogen	mg/l	--	--	--	0.16	0.22	0.24	0.21	0.58	0.15	0.16
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	36	23	21	--	19	<5	8
Chloride	mg/l	--	250	--	5.4	5.8	5	6.7	6.6	4.6	4.7
Conductivity	uS/cm	--	--	--	240	240	220	410	410	255	255
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
Fluoride	mg/l	1.5	--	--	0.1	<0.1	0.15	<0.1	<0.1	0.13	0.14
Hardness, Calcium Carbonate	mg/l	--	--	100	*123*	*125*	*114*	*210*	*220*	*130*	*130*
Nitrate	mg/l	-- [7]	--	--	0.16	0.14	0.54	0.13	0.14	0.45	0.4
Nitrite	mg/l	-- [8]	--	--	0.019	0.017	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.36*	*0.56*	*0.26*	*0.37*	<0.1	*0.21*	*0.23*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.52	0.78	0.6	0.58	0.35	0.36	0.39
pH	-	--	--	8.5	6.6	6.6	6	6.4	6.4	6.4	6.4
Phosphate	mg/l	--	--	--	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.5	0.34	<0.1	<0.1	<0.1	0.14
Sulfate	mg/l	--	500 [9]	--	37	36	24	49	50	30	30
Temperature	deg c	--	15	--	9.4	9.4	11	8	8	8	8
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	0.07	0.05	0.07	*0.17*	*0.17*
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0001	<0.0001	<0.001	0.0002	0.0002	<0.0001	0.0006
Barium, Dissolved	mg/l	1	--	--	0.05	0.053	0.04	0.07	0.08	0.05	0.05
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.02	0.01	<0.05	<0.05	0.08	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	35.9	36.6	29	59	60	35	35
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.11	0.09	0.13	0.3	0.33	0.17	0.21
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	8.14	8.24	10	16	17	11	11
Manganese, Dissolved	mg/l	--	0.05	--	0.18	0.19	0.06	0.1	0.13	0.04	0.04
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2	<0.5	<0.5	<0.5	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	<1	<1	0.48	<2	<2	<2	<2
Silicon, Dissolved	mg/l	--	--	--	3.85	3.91	3.4	2.8	2.9	4.1	4.1
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	0.009	0.007
Sodium, Dissolved	mg/l	--	200 [10]	--	6.2	6.2	5.4	10	11	<10	<10
Strontium, Dissolved	mg/l	--	--	--	0.053	0.054	0.052	0.09	0.09	0.06	0.06
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-1D 10-Oct-1985	B-1D 18-Apr-1990	B-1D 10-Aug-1990	B-1D 05-Nov-1990	B-1D 18-Apr-1991	B-1D 27-Aug-1991	B-1D 14-Nov-1991	B-1D 04-May-1992	B-1D 18-Aug-1992
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	295	462	350	--	482	500	620	860	440
Ammonia Nitrogen	mg/l	--	--	--	--	<0.1	1.05	<0.1	--	0.17	0.28	0.49	0.33
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	5	<1	3	--	<3	<3	<3	--	<3
Bromide	mg/l	--	--	--	--	<0.05	<0.5	1.6	0.66	0.81	1	1.5	1.8
Chemical Oxygen Demand	mg/l	--	--	--	17	32	--	--	33	38	31	69	43
Chloride	mg/l	--	250	--	61.3	137	123	129	150	170	240	310	280
Color	color unit	--	5	--	--	--	--	<2	--	--	--	--	--
Conductivity	uS/cm	--	--	--	800	1200	1000	1200	1100	1200	1775	2100	1700
Cyanide	mg/l	0.2	--	--	--	<0.01	<0.01	<0.01	<0.001	0.001	<0.001	--	<0.001
Fluoride	mg/l	1.5	--	--	--	0.49	0.45	0.22	0.65	0.57	0.73	0.77	0.46
Hardness, Calcium Carbonate	mg/l	--	--	100	*280*	*610*	*516*	*643*	*610*	*693*	*837*	*1120*	*1000*
Nitrate	mg/l	-- [7]	--	--	<2	0.51	0.25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	--	<0.1	<0.1	<0.1	<0.5	<0.005	0.007	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	*0.42*	*0.54*	*0.82*	*1.01*	*0.51*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.64	1.05	0.41	0.57	0.71	1.1	1.5	0.84
pH	-	--	--	8.5	7.5	7.3	7.2	7.78	7.11	--	7.2	6.6	7
Phosphate	mg/l	--	--	--	--	0.48	0.31	0.21	<0.1	<0.01	<0.1	0.18	<0.1
Phosphorus	mg/l	--	--	--	--	0.26	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	15.7	33	42	35	34	29	26	20	22
Temperature	deg c	--	15	--	--	9	12	8	5	10	8.9	11	7
Turbidity	ntu	--	5 [11]	-- [12]	--	--	--	<1	--	--	--	--	--
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.03	<0.01	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	--	**0.03**	<0.01	<0.01	<0.001	0.001	0.0008	<0.001	0.0014
Barium, Dissolved	mg/l	1	--	--	--	0.24	0.22	0.18	0.208	0.217	0.268	0.42	0.33
Beryllium, Dissolved	mg/l	--	--	--	--	0.09	<0.01	<0.01	<0.0005	0.0008	<0.0005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	--	<0.01	0.16	0.15	0.196	0.158	0.27	0.54	0.4
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	0.0002	0.0025
Calcium, Dissolved	mg/l	--	--	--	--	145	129	162	160	175	210	292	260
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	--	<0.02	0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	--	<0.002	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	<0.01	<0.01	0.21	0.12	0.04	0.12	0.16	0.18	0.58
Lead, Dissolved	mg/l	0.01	--	--	--	<0.002	<0.002	<0.002	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	--	60	47	58	57.7	62.1	76	96	90
Manganese, Dissolved	mg/l	--	0.05	--	0.3	0.71	0.36	0.61	0.71	0.64	0.9	1.6	1.1
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	0.01	<0.2	<0.2	<0.2	<0.5	<0.5
Nickel, Dissolved	mg/l	--	--	--	--	<0.02	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, Dissolved	mg/l	--	--	--	--	4	5	6	2.8	3.2	4	5.2	4.7
Silicon, Dissolved	mg/l	--	--	--	--	9.3	7.5	6.4	8.21	8.17	8.76	9.7	7.2
Silver, Dissolved	mg/l	--	--	--	--	<0.001	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	--	47	42	35	50.8	42.5	56.3	112	71
Strontium, Dissolved	mg/l	--	--	--	--	7.6	6.82	7.24	7.52	8.06	9.84	14	12
Sulfur	mg/l	--	--	--	--	14	15	15	--	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	0.08	0.03	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	--	0.08	0.05	<0.01	<0.005	<0.005	<0.005	0.03	<0.005
Zinc, Dissolved	mg/l	--	5	--	--	0.01	0.08	<0.01	<0.01	<0.01	<0.01	0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-1D 17-Nov-1992
General Chemistry					
Alkalinity as CaCO3	mg/l	--	--	--	510
Ammonia Nitrogen	mg/l	--	--	--	1.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3
Bromide	mg/l	--	--	--	1
Chemical Oxygen Demand	mg/l	--	--	--	130
Chloride	mg/l	--	250	--	240
Color	color unit	--	5	--	--
Conductivity	uS/cm	--	--	--	1800
Cyanide	mg/l	0.2	--	--	0.003
Fluoride	mg/l	1.5	--	--	0.34
Hardness, Calcium Carbonate	mg/l	--	--	100	*760*
Nitrate	mg/l	-- [7]	--	--	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.8*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.9
pH	-	--	--	8.5	6.6
Phosphate	mg/l	--	--	--	<0.1
Phosphorus	mg/l	--	--	--	<0.1
Sulfate	mg/l	--	500 [9]	--	30
Temperature	deg c	--	15	--	8
Turbidity	ntu	--	5 [11]	-- [12]	--
Metals					
Aluminum, Dissolved	mg/l	--	--	0.1	*0.16*
Arsenic, Dissolved	mg/l	0.025	--	--	0.0015
Barium, Dissolved	mg/l	1	--	--	0.31
Beryllium, Dissolved	mg/l	--	--	--	<0.005
Boron, Dissolved	mg/l	5	--	--	0.44
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002
Calcium, Dissolved	mg/l	--	--	--	190
Chromium, Dissolved	mg/l	0.05	--	--	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.01
Copper, Dissolved	mg/l	--	1	--	0.01
Iron, Dissolved	mg/l	--	0.3	--	0.12
Lead, Dissolved	mg/l	0.01	--	--	<0.05
Magnesium, Dissolved	mg/l	--	--	--	70
Manganese, Dissolved	mg/l	--	0.05	--	1.2
Molybdenum, Dissolved	mg/l	--	--	--	<0.3
Nickel, Dissolved	mg/l	--	--	--	0.02
Potassium, Dissolved	mg/l	--	--	--	4.5
Silicon, Dissolved	mg/l	--	--	--	9.8
Silver, Dissolved	mg/l	--	--	--	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	89
Strontium, Dissolved	mg/l	--	--	--	9.5
Sulfur	mg/l	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005
Zinc, Dissolved	mg/l	--	5	--	0.05

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-1S 10-Oct-1985	B-1S 18-Apr-1990	B-1S 10-Aug-1990	B-1S 05-Nov-1990	B-1S 18-Apr-1991	B-1S 27-Aug-1991	B-1S 14-Nov-1991	B-1S 04-May-1992	B-1S 19-Aug-1992
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	250	442	334	--	440	<2	350	490	260
Ammonia Nitrogen	mg/l	--	--	--	--	<0.1	<0.1	0.39	--	0.86	3.7	0.63	1.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	5	2	2	--	<3	<3	4	<3	<3
Bromide	mg/l	--	--	--	--	<0.5	1.7	<0.5	0.66	0.4	0.16	1.1	0.25
Chemical Oxygen Demand	mg/l	--	--	--	8	29	--	--	38	26	85	26	14
Chloride	mg/l	--	250	--	20	149	113	113	150	84	32	200	48
Color	color unit	--	5	--	--	--	--	2	--	--	--	--	--
Conductivity	uS/cm	--	--	--	700	1200	950	1100	1100	3100	1400	1550	1000
Cyanide	mg/l	0.2	--	--	--	0.01	<0.01	0.02	<0.001	0.001	<0.001	<0.001	<0.001
Fluoride	mg/l	1.5	--	--	--	0.43	0.51	0.19	0.58	0.72	0.82	0.61	0.76
Hardness, Calcium Carbonate	mg/l	--	--	100	*286*	*645*	*640*	*588*	*590*	*548*	*748*	*520*	*560*
Nitrate	mg/l	-- [7]	--	--	<2	0.92	0.12	<0.1	<0.1	<0.1	0.11	<0.1	0.13
Nitrite	mg/l	-- [8]	--	--	--	<0.1	<0.1	<0.1	<0.5	<0.005	0.009	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	*0.28*	*0.34*	*0.9*	*0.37*	*0.8*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.9	0.15	1.39	0.61	1.2	4.6	1	1.9
pH	-	--	--	8.5	7.5	7.3	7.1	7.69	7.11	4	7.2	6.8	7.5
Phosphate	mg/l	--	--	--	--	0.37	0.24	0.3	<0.2	<0.01	<0.1	0.15	<0.1
Phosphorus	mg/l	--	--	--	--	0.26	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	23.9	33	37	51	33	84	400	110	240
Temperature	deg c	--	15	--	--	9	13	8.5	5	12.2	9.4	11	8
Turbidity	ntu	--	5 [11]	-- [12]	--	--	--	20	--	--	--	--	--
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.03	0.08	<0.03	<0.05	<0.05	<0.05	<0.05	0.06
Arsenic, Dissolved	mg/l	0.025	--	--	--	<0.02	<0.01	<0.01	<0.001	0.002	0.002	<0.001	0.0013
Barium, Dissolved	mg/l	1	--	--	--	0.26	0.18	0.2	0.23	0.244	0.308	0.23	0.21
Beryllium, Dissolved	mg/l	--	--	--	--	0.09	<0.01	<0.01	<0.0005	<0.0005	<0.0005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	--	<0.01	0.14	0.16	0.21	0.257	0.25	0.23	0.25
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	0.0001	0.0005
Calcium, Dissolved	mg/l	--	--	--	--	149	182	143	150	132	186	186	140
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.01	0.04	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	--	<0.02	0.01	<0.02	0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	--	<0.002	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.4	0.02	0.05	<0.01	2.69	6.72	18	3.1	4.9
Lead, Dissolved	mg/l	0.01	--	--	--	<0.002	0.008	<0.002	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	--	66	45	56	56.7	53	68.8	69	52
Manganese, Dissolved	mg/l	--	0.05	--	0.22	0.52	0.57	0.32	0.45	0.31	0.61	0.45	0.33
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.5	<0.5
Nickel, Dissolved	mg/l	--	--	--	--	<0.02	0.05	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, Dissolved	mg/l	--	--	--	--	4	4	6	2.7	4.5	6	<0.1	5.5
Silicon, Dissolved	mg/l	--	--	--	--	8.5	7.9	6	8.03	8.37	7.24	7.5	5.3
Silver, Dissolved	mg/l	--	--	--	--	<0.001	<0.01	<0.01	<0.0005	<0.005	<0.005	<0.005	0.007
Sodium, Dissolved	mg/l	--	200 [10]	--	--	40	42	34	44.7	38.7	19.9	94	35
Strontium, Dissolved	mg/l	--	--	--	--	7.7	6.51	6.53	7.26	6.75	8.38	8.7	6.4
Sulfur	mg/l	--	--	--	--	14	13	23	--	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	0.08	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	--	0.05	0.04	<0.01	<0.005	<0.005	<0.005	0.02	<0.005
Zinc, Dissolved	mg/l	--	5	--	--	<0.01	0.18	<0.01	0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-1S 17-Nov-1992
General Chemistry					
Alkalinity as CaCO3	mg/l	--	--	--	450
Ammonia Nitrogen	mg/l	--	--	--	0.51
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3
Bromide	mg/l	--	--	--	0.76
Chemical Oxygen Demand	mg/l	--	--	--	58
Chloride	mg/l	--	250	--	210
Color	color unit	--	5	--	--
Conductivity	uS/cm	--	--	--	1450
Cyanide	mg/l	0.2	--	--	<0.002
Fluoride	mg/l	1.5	--	--	0.44
Hardness, Calcium Carbonate	mg/l	--	--	100	*620*
Nitrate	mg/l	-- [7]	--	--	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.59*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.1
pH	-	--	--	8.5	6.9
Phosphate	mg/l	--	--	--	<0.1
Phosphorus	mg/l	--	--	--	<0.1
Sulfate	mg/l	--	500 [9]	--	34
Temperature	deg c	--	15	--	7
Turbidity	ntu	--	5 [11]	-- [12]	--
Metals					
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	0.0031
Barium, Dissolved	mg/l	1	--	--	0.24
Beryllium, Dissolved	mg/l	--	--	--	<0.005
Boron, Dissolved	mg/l	5	--	--	0.28
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002
Calcium, Dissolved	mg/l	--	--	--	150
Chromium, Dissolved	mg/l	0.05	--	--	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01
Iron, Dissolved	mg/l	--	0.3	--	1.6
Lead, Dissolved	mg/l	0.01	--	--	<0.05
Magnesium, Dissolved	mg/l	--	--	--	58
Manganese, Dissolved	mg/l	--	0.05	--	0.49
Molybdenum, Dissolved	mg/l	--	--	--	<0.3
Nickel, Dissolved	mg/l	--	--	--	0.01
Potassium, Dissolved	mg/l	--	--	--	4.1
Silicon, Dissolved	mg/l	--	--	--	7.8
Silver, Dissolved	mg/l	--	--	--	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	56
Strontium, Dissolved	mg/l	--	--	--	7.7
Sulfur	mg/l	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-2D 10-Oct-1985	B-2D 18-Apr-1990	B-2D 10-Aug-1990	B-2D 05-Nov-1990	B-2D 29-Apr-1991	B-2D 27-Aug-1991	B-2D 05-May-1992	B-2D 19-Aug-1992	B-2D 17-Nov-1992
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	648	840	548	--	850	1600	930	1100	900
Ammonia Nitrogen	mg/l	--	--	--	--	11.4	5.6	14	5.3	26	24	31	20
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	5	5	4	--	4	<3	<3	3	<3
Bromide	mg/l	--	--	--	--	<0.5	<0.5	<0.5	2	2.7	1.8	2.8	2.2
Chemical Oxygen Demand	mg/l	--	--	--	38	111	--	--	120	120	90	158	140
Chloride	mg/l	--	250	--	215	409	257	335	450	570	320	500	430
Color	color unit	--	5	--	--	--	--	12	--	--	--	--	--
Conductivity	uS/cm	--	--	--	1700	2600	1900	2100	3000	3500	2500	3400	2700
Cyanide	mg/l	0.2	--	--	--	<0.01	<0.01	0.01	<0.001	<0.001	<0.001	<0.001	0.002
Fluoride	mg/l	1.5	--	--	--	0.61	0.54	0.21	0.62	0.41	0.59	0.53	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*697*	*1007*	*674*	*945*	*940*	*1090*	*916*	*1200*	*850*
Nitrate	mg/l	-- [7]	--	--	<2	0.42	1.57	0.54	<0.1	<0.1	0.1	0.11	<0.1
Nitrite	mg/l	-- [8]	--	--	--	<0.01	<0.1	<0.1	<1	<0.005	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	*5.7*	*5*	*3*	*7*	*2*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	14.7	5.67	15.4	11	31	27	38	22
pH	-	--	--	8.5	7.1	6.9	7	7.56	6.84	--	6.4	6.6	6.7
Phosphate	mg/l	--	--	--	--	0.8	0.25	0.2	<0.2	--	0.16	<0.1	<0.1
Phosphorus	mg/l	--	--	--	--	0.48	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	5	8	15	14	8.5	8.3	14	8.7	13
Temperature	deg c	--	15	--	--	9	13	9	6.7	11.1	10	8	8
Turbidity	ntu	--	5 [11]	-- [12]	--	--	--	56	--	--	--	--	--
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.03	0.02	<0.03	<0.05	<0.05	<0.05	0.07	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	--	**0.04**	<0.01	<0.01	0.004	0.018	0.006	0.014	0.0156
Barium, Dissolved	mg/l	1	--	--	--	0.74	0.51	0.64	0.645	**1.07**	0.79	**1.3**	0.71
Beryllium, Dissolved	mg/l	--	--	--	--	0.1	<0.01	<0.01	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	--	<0.01	0.3	0.67	0.668	0.984	0.89	1.2	0.63
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.002	<0.002	<0.002	<0.0001	<0.0001	0.0004	0.0005	0.0005
Calcium, Dissolved	mg/l	--	--	--	--	223	156	230	236	262	210	280	200
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	--	<0.02	0.02	0.04	<0.05	<0.05	<0.05	<0.05	0.01
Copper, Dissolved	mg/l	--	1	--	--	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	1.4	0.22	0.65	0.06	9.43	12.6	10	18	17
Lead, Dissolved	mg/l	0.01	--	--	--	<0.002	<0.002	0.009	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	--	109	69	90	101	107	95	120	86
Manganese, Dissolved	mg/l	--	0.05	--	0.68	1	0.74	0.91	0.83	1.09	0.82	1	0.83
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	--	0.05	0.01	0.02	<0.05	<0.05	<0.05	<0.05	0.03
Potassium, Dissolved	mg/l	--	--	--	--	12	9	21	12	19.5	23	29	19
Silicon, Dissolved	mg/l	--	--	--	--	11.8	10.6	8.7	11.5	11.6	11	10	11
Silver, Dissolved	mg/l	--	--	--	--	<0.001	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	--	183	127	163	197	253	220	260	160
Strontium, Dissolved	mg/l	--	--	--	--	14.5	10.6	12.1	13.9	15.3	11	15	11
Sulfur	mg/l	--	--	--	--	8	8	8	--	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	0.12	0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	--	0.06	0.27	<0.01	<0.005	<0.005	0.03	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	--	0.02	<0.01	0.11	0.01	<0.01	0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-2M 10-Oct-1985	B-2M 18-Apr-1990	B-2M 10-Aug-1990	B-2M 05-Nov-1990	B-2M 30-Apr-1991	B-2M 27-Aug-1991	B-2M 07-May-1992	B-2M 19-Aug-1992	B-2M 17-Nov-1992
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	550	588	450	--	630	410	1200	1100	1500
Ammonia Nitrogen	mg/l	--	--	--	--	1.39	1.18	2.8	1.7	24	16	19	27
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	5	<1	2	--	<3	4	<3	<3	110
Bromide	mg/l	--	--	--	--	<0.5	<0.5	<0.5	1.3	3.2	2.4	2.9	3.4
Chemical Oxygen Demand	mg/l	--	--	--	54	47	--	--	56	140	130	159	300
Chloride	mg/l	--	250	--	235	284	300	393	300	630	460	500	540
Color	color unit	--	5	--	--	--	--	9	--	--	--	--	--
Conductivity	uS/cm	--	--	--	1700	1900	1800	2200	1500	3500	2500	3450	3800
Cyanide	mg/l	0.2	--	--	--	<0.01	<0.01	0.02	<0.001	<0.001	<0.001	<0.001	<0.002
Fluoride	mg/l	1.5	--	--	--	0.6	0.47	0.16	0.72	0.47	0.33	0.48	0.63
Hardness, Calcium Carbonate	mg/l	--	--	100	*774*	*876*	*800*	*1198*	*840*	*1290*	*1370*	*1400*	*1200*
Nitrate	mg/l	-- [7]	--	--	<2	1.65	0.33	0.3	<0.1	<0.1	0.46	0.11	<0.1
Nitrite	mg/l	-- [8]	--	--	--	<0.1	<0.1	<0.1	<0.5	<0.005	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	*0.5*	*3*	*5*	*4*	*5*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	2.14	2.69	6.53	2.2	27	21	23	32
pH	-	--	--	8.5	7.4	7.3	6.9	7.66	7	--	6.5	6.6	6.5
Phosphate	mg/l	--	--	--	--	0.5	0.35	0.33	<0.2	<0.01	0.12	<0.1	<0.1
Phosphorus	mg/l	--	--	--	--	0.4	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	8.7	22	17	17	15	4.8	7.9	6.5	0.45
Temperature	deg c	--	15	--	--	9	10	9.5	6.7	11.1	11	8	8
Turbidity	ntu	--	5 [11]	-- [12]	--	--	--	54	--	--	--	--	--
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.03	0.01	<0.03	<0.05	<0.05	<0.05	0.05	0.07
Arsenic, Dissolved	mg/l	0.025	--	--	--	**0.03**	<0.01	<0.01	0.002	0.0066	0.003	0.0072	0.0124
Barium, Dissolved	mg/l	1	--	--	--	0.46	0.43	0.51	0.365	**1.03**	0.92	**1.1**	**1.2**
Beryllium, Dissolved	mg/l	--	--	--	--	0.1	<0.01	<0.01	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	--	<0.01	0.51	0.71	0.497	1.21	1.2	1.3	1.1
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.002	<0.002	<0.002	<0.0001	<0.0001	0.0009	0.005	0.00083
Calcium, Dissolved	mg/l	--	--	--	--	197	190	298	215	295	300	330	270
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	--	<0.02	<0.01	<0.02	<0.05	<0.05	<0.05	<0.05	0.01
Copper, Dissolved	mg/l	--	1	--	--	<0.002	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.2	0.03	0.53	0.07	5.83	14.6	29	30	36
Lead, Dissolved	mg/l	0.01	--	--	--	<0.002	**0.024**	<0.002	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	--	93	79	110	89	134	150	150	130
Manganese, Dissolved	mg/l	--	0.05	--	0.33	0.65	0.6	0.71	0.54	0.58	0.65	0.63	0.35
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.01	0.06	0.02	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	--	0.03	<0.01	<0.01	<0.5	<0.05	<0.05	<0.05	0.03
Potassium, Dissolved	mg/l	--	--	--	--	6	6	12	13.3	23.3	21	22	27
Silicon, Dissolved	mg/l	--	--	--	--	12.6	13.3	12.1	12.9	15.4	19	14	17
Silver, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	--	71	63	102	76.3	241	220	240	240
Strontium, Dissolved	mg/l	--	--	--	--	14	14.2	17.57	12.7	18.9	19	20	17
Sulfur	mg/l	--	--	--	--	10	8	9	--	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	0.1	0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	--	0.07	0.24	<0.01	<0.005	<0.005	0.05	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	--	0.02	<0.01	0.14	0.01	0.03	0.12	0.05	0.04

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-2S 27-Aug-1991
General Chemistry					
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3
Chloride	mg/l	--	250	--	760
Conductivity	uS/cm	--	--	--	3600
Hardness, Calcium Carbonate	mg/l	--	--	100	*1400*
Temperature	deg c	--	15	--	11.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-3D 10-Oct-1985	B-3D 18-Apr-1990	B-3D 10-Aug-1990	B-3D 05-Nov-1990	B-3D 19-Apr-1991	B-3D 29-Aug-1991	B-3D 14-Nov-1991	B-3D 14-Nov-1991 B-3D-FD (Field Duplicate)
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	290	292	298	--	340	310	320	320
Ammonia Nitrogen	mg/l	--	--	--	--	0.73	0.41	0.89	--	1.3	2	2.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	13	2	<1	--	<3	<3	<3	<3
Bromide	mg/l	--	--	--	--	<0.5	<0.5	<0.5	<0.1	0.11	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	21	21	--	--	18	11	19	<3
Chloride	mg/l	--	250	--	4.9	40	11	6	41	13	14	11
Color	color unit	--	5	--	--	--	--	<2	--	--	--	--
Conductivity	uS/cm	--	--	--	450	750	650	600	500	500	675	675
Cyanide	mg/l	0.2	--	--	--	<0.01	<0.01	0.04	<0.001	<0.001	<0.001	<0.001
Fluoride	mg/l	1.5	--	--	--	0.25	0.24	0.06	0.43	<0.1	0.46	0.43
Hardness, Calcium Carbonate	mg/l	--	--	100	*224*	*360*	*305*	*368*	*390*	*308*	*321*	*313*
Nitrate	mg/l	-- [7]	--	--	<2	0.2	0.17	<0.1	0.1	<0.1	0.1	0.1
Nitrite	mg/l	-- [8]	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.005	0.009	0.009
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	0.12	--	*0.2*	*0.4*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	1.32	0.69	1.83	0.7	1.2	2.2	2.5
pH	-	--	--	8.5	7.1	7.5	7	7.83	7.1	--	7.1	7.1
Phosphate	mg/l	--	--	--	--	0.31	0.25	0.24	<0.1	<0.01	<0.1	<0.1
Phosphorus	mg/l	--	--	--	--	0.18	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5
Sulfate	mg/l	--	500 [9]	--	--	34	<3	3	38	0.28	<0.1	<0.1
Temperature	deg c	--	15	--	--	10	12	8	6.7	13.3	10	10
Turbidity	ntu	--	5 [11]	-- [12]	--	--	--	81	--	--	--	--
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.03	0.05	<0.03	<0.05	<0.05	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	--	<0.02	<0.01	<0.01	<0.001	0.0021	0.0023	0.0024
Barium, Dissolved	mg/l	1	--	--	--	0.34	0.18	0.22	0.203	0.207	0.218	0.198
Beryllium, Dissolved	mg/l	--	--	--	--	0.08	<0.01	<0.01	<0.0005	<0.0005	<0.0005	<0.0005
Boron, Dissolved	mg/l	5	--	--	--	<0.01	0.09	0.06	0.065	0.026	0.04	0.04
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, Dissolved	mg/l	--	--	--	--	88	79	96	96.9	78.7	82.2	80.2
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	--	<0.02	<0.01	<0.02	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	--	<0.002	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	14.6	8.1	7.17	16.06	7.39	14.4	18.9	18.3
Lead, Dissolved	mg/l	0.01	--	--	--	<0.002	<0.002	<0.002	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	--	34	26	31	33.2	27.1	28.2	27.3
Manganese, Dissolved	mg/l	--	0.05	--	1.83	1.2	0.98	1.52	0.9	1.26	1.53	1.48
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.01	0.03	<0.01	<0.2	<0.2	<0.2	<0.2
Nickel, Dissolved	mg/l	--	--	--	--	0.02	0.03	<0.01	<0.05	<0.05	<0.05	<0.05
Potassium, Dissolved	mg/l	--	--	--	--	3	--	3	1.9	2.3	2	2
Silicon, Dissolved	mg/l	--	--	--	--	6.7	7	6.2	6.72	6.9	7.22	6.98
Silver, Dissolved	mg/l	--	--	--	--	<0.001	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	--	18	15	8	20.7	8.8	8.3	8.2
Strontium, Dissolved	mg/l	--	--	--	--	2.2	1.75	1.66	2.23	1.48	1.26	1.21
Sulfur	mg/l	--	--	--	--	16	<3	<3	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	0.1	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	--	0.04	0.01	<0.01	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	--	<0.01	0.16	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-3D 04-May-1992	B-3D 19-Aug-1992	B-3D 17-Nov-1992
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	320	290	240
Ammonia Nitrogen	mg/l	--	--	--	0.97	1.4	1.3
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	4	<3
Bromide	mg/l	--	--	--	0.2	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	8	12	12
Chloride	mg/l	--	250	--	31	9.8	16
Color	color unit	--	5	--	--	--	--
Conductivity	uS/cm	--	--	--	780	575	625
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.002
Fluoride	mg/l	1.5	--	--	0.51	0.32	0.23
Hardness, Calcium Carbonate	mg/l	--	--	100	*190*	*330*	*250*
Nitrate	mg/l	-- [7]	--	--	<0.1	0.12	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	0.13	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.1	1.3	1.2
pH	-	--	--	8.5	6.3	7.1	6.9
Phosphate	mg/l	--	--	--	0.11	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	36	0.57	12
Temperature	deg c	--	15	--	11	7	9
Turbidity	ntu	--	5 [11]	-- [12]	--	--	--
Metals							
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.06	0.08
Arsenic, Dissolved	mg/l	0.025	--	--	0.001	0.0017	0.014
Barium, Dissolved	mg/l	1	--	--	0.21	0.2	0.15
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.08	0.11	0.07
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	102	84	64
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	9	14	13
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	34	28	21
Manganese, Dissolved	mg/l	--	0.05	--	1.1	1.2	1.1
Molybdenum, Dissolved	mg/l	--	--	--	<0.5	<0.5	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.01
Potassium, Dissolved	mg/l	--	--	--	2.2	3	2
Silicon, Dissolved	mg/l	--	--	--	6.5	5.4	6
Silver, Dissolved	mg/l	--	--	--	<0.005	0.01	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	20	10	<10
Strontium, Dissolved	mg/l	--	--	--	2	1.6	1
Sulfur	mg/l	--	--	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	0.02	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	0.02

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-3M 10-Oct-1985	B-3M 18-Apr-1990	B-3M 10-Aug-1990	B-3M 05-Nov-1990	B-3M 19-Apr-1991	B-3M 19-Apr-1991 B-3M-FD (Field Duplicate)	B-3M 29-Aug-1991	B-3M 29-Aug-1991 B-3M-FD (Field Duplicate)
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	295	310	296	--	360	360	330	330
Ammonia Nitrogen	mg/l	--	--	--	--	1.09	0.37	0.5	--	--	0.92	0.88
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	13	3	<1	--	<3	<3	<3	5
Bromide	mg/l	--	--	--	--	<0.5	<0.5	<0.5	0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	210	19	--	--	16	17	<5	11
Chloride	mg/l	--	250	--	10.2	46	19	9	43	43	14	14
Color	color unit	--	5	--	--	--	--	<2	--	--	--	--
Conductivity	uS/cm	--	--	--	600	800	700	550	500	500	450	450
Cyanide	mg/l	0.2	--	--	--	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001
Fluoride	mg/l	1.5	--	--	--	0.25	0.29	0.08	0.42	0.43	0.44	0.46
Hardness, Calcium Carbonate	mg/l	--	--	100	*220*	*383*	*310*	*381*	*400*	*400*	*330*	*322*
Nitrate	mg/l	-- [7]	--	--	<2	0.43	0.29	<0.1	0.14	0.1	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005	<0.005
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	0.08	0.07	0.07	0.05
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	1.19	0.99	1.13	0.94	0.87	0.99	0.93
pH	-	--	--	8.5	8.3	7.5	7.1	7.85	7.27	7.27	--	--
Phosphate	mg/l	--	--	--	--	0.39	0.17	0.31	<0.2	<0.1	<0.01	<0.01
Phosphorus	mg/l	--	--	--	--	0.22	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5
Sulfate	mg/l	--	500 [9]	--	2	31	15	5	34	34	0.2	0.1
Temperature	deg c	--	15	--	--	10	12	9	6.7	6.7	12.2	12.2
Turbidity	ntu	--	5 [11]	-- [12]	--	--	--	78	--	--	--	--
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.03	<0.01	<0.03	<0.05	<0.05	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	--	**0.03**	<0.01	<0.01	<0.001	<0.001	0.0017	0.0018
Barium, Dissolved	mg/l	1	--	--	--	0.36	0.17	0.18	0.214	0.213	0.198	0.197
Beryllium, Dissolved	mg/l	--	--	--	--	0.08	<0.01	<0.01	<0.0005	<0.0005	<0.0005	<0.0005
Boron, Dissolved	mg/l	5	--	--	--	<0.01	0.04	<0.01	0.067	0.062	0.013	0.017
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, Dissolved	mg/l	--	--	--	--	94	81	98	98.3	96.9	84.6	82.4
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	--	<0.02	<0.01	<0.02	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	--	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	12.4	13	0.12	9.92	9.43	9.18	9.81	9.75
Lead, Dissolved	mg/l	0.01	--	--	--	<0.002	<0.002	<0.002	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	--	36	26	33	33.7	33.4	28.8	28.3
Manganese, Dissolved	mg/l	--	0.05	--	1.99	1.5	0.87	1.17	1.17	1.14	1.09	1.07
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2
Nickel, Dissolved	mg/l	--	--	--	--	<0.02	0.04	<0.01	<0.05	<0.05	<0.05	<0.05
Potassium, Dissolved	mg/l	--	--	--	--	3	2	3	1.9	2.1	2.3	1.9
Silicon, Dissolved	mg/l	--	--	--	--	7.1	6.8	6.3	6.79	6.72	7.38	7.25
Silver, Dissolved	mg/l	--	--	--	--	<0.001	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	--	19	19	8	20.6	20.6	10	9.9
Strontium, Dissolved	mg/l	--	--	--	--	2.2	1.85	1.8	2.01	2.05	2.02	2
Sulfur	mg/l	--	--	--	--	14	5	3	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	0.1	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	--	0.04	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	--	<0.01	0.03	0.03	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-3M 14-Nov-1991	B-3M 04-May-1992	B-3M 19-Aug-1992	B-3M 17-Nov-1992	B-3M 17-Nov-1992 B-3M-FD (Field Duplicate)
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	340	340	310	260	260
Ammonia Nitrogen	mg/l	--	--	--	1.5	1.1	0.87	0.78	0.79
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	3	<3	<3
Bromide	mg/l	--	--	--	<0.1	0.22	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	31	40	11	25	5
Chloride	mg/l	--	250	--	13	34	12	22	22
Color	color unit	--	5	--	--	--	--	--	--
Conductivity	uS/cm	--	--	--	675	820	600	625	625
Cyanide	mg/l	0.2	--	--	<0.001	<0.001	<0.001	<0.002	<0.002
Fluoride	mg/l	1.5	--	--	0.43	0.42	0.39	0.4	0.41
Hardness, Calcium Carbonate	mg/l	--	--	100	*328*	*190*	*350*	*280*	*270*
Nitrate	mg/l	-- [7]	--	--	<0.1	0.12	0.11	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.4*	*0.2*	<0.1	0.06	0.01
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.9	1.3	0.88	0.84	0.8
pH	-	--	--	8.5	7.1	6.4	7.2	7.2	7.2
Phosphate	mg/l	--	--	--	<0.1	0.11	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	<0.5	<0.1	<0.1	<0.1	<0.1
Sulfate	mg/l	--	500 [9]	--	<0.1	28	0.43	36	36
Temperature	deg c	--	15	--	10	11	8	9	9
Turbidity	ntu	--	5 [11]	-- [12]	--	--	--	--	--
Metals									
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	0.06	*0.16*	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	0.0025	<0.001	0.0009	0.0108	0.0106
Barium, Dissolved	mg/l	1	--	--	0.186	0.22	0.19	0.14	0.14
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.04	0.08	0.09	0.11	0.07
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002
Calcium, Dissolved	mg/l	--	--	--	84.6	106	89	73	70
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	12.8	11	9.5	7.7	7.5
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	28.5	35	30	25	24
Manganese, Dissolved	mg/l	--	0.05	--	1.26	1.4	0.98	0.79	0.77
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.5	<0.5	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	2	2.5	2.5	<2	<2
Silicon, Dissolved	mg/l	--	--	--	7.12	6.6	5.7	6.8	5.7
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	0.009	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	9.6	19	13	<10	<10
Strontium, Dissolved	mg/l	--	--	--	1.68	2	1.9	1.5	1.5
Sulfur	mg/l	--	--	--	--	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	0.02	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	0.06	<0.01

Parameter	Unit	[2] [1] ODWQS(1769/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-4D 19-Apr-1991	B-4D 29-Aug-1991
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	230	220
Ammonia Nitrogen	mg/l	--	--	--	<0.1	0.13
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3
Bromide	mg/l	--	--	--	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	8.9	<5
Chloride	mg/l	--	250	--	10	8.8
Conductivity	uS/cm	--	--	--	500	480
Cyanide	mg/l	0.2	--	--	<0.001	0.001
Fluoride	mg/l	1.5	--	--	0.42	0.5
Hardness, Calcium Carbonate	mg/l	--	--	100	*288*	*294*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.005
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.1	0.12
pH	-	--	--	8.5	7.31	--
Phosphate	mg/l	--	--	--	<0.1	--
Phosphorus	mg/l	--	--	--	<0.5	<0.5
Sulfate	mg/l	--	500 [9]	--	48	48
Temperature	deg c	--	15	--	5	13.3
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.0035
Barium, Dissolved	mg/l	1	--	--	0.107	0.1
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005
Boron, Dissolved	mg/l	5	--	--	0.032	<0.005
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001
Calcium, Dissolved	mg/l	--	--	--	81.1	78.3
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.37	0.33
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	24.8	23.9
Manganese, Dissolved	mg/l	--	0.05	--	0.13	0.13
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05
Potassium, Dissolved	mg/l	--	--	--	1.8	2.3
Silicon, Dissolved	mg/l	--	--	--	4.87	5.04
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	3.6	3.5
Strontium, Dissolved	mg/l	--	--	--	4.17	4
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-4M/D 19-Apr-1991	B-4M/D 29-Aug-1991
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	282	500
Ammonia Nitrogen	mg/l	--	--	--	0.22	0.13
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3
Bromide	mg/l	--	--	--	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	5.3	<5
Chloride	mg/l	--	250	--	12	6.9
Conductivity	uS/cm	--	--	--	500	500
Cyanide	mg/l	0.2	--	--	<0.001	0.001
Fluoride	mg/l	1.5	--	--	0.37	0.44
Hardness, Calcium Carbonate	mg/l	--	--	100	*324*	*335*
Nitrate	mg/l	-- [7]	--	--	0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.005
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.11	0.13
pH	-	--	--	8.5	7.2	--
Phosphate	mg/l	--	--	--	<0.1	<0.01
Phosphorus	mg/l	--	--	--	<0.5	<0.5
Sulfate	mg/l	--	500 [9]	--	47	52
Temperature	deg c	--	15	--	5	11.1
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.0032
Barium, Dissolved	mg/l	1	--	--	0.111	0.106
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005
Boron, Dissolved	mg/l	5	--	--	0.044	0.013
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001
Calcium, Dissolved	mg/l	--	--	--	90.9	89.6
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.81	0.83
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	27.8	26.9
Manganese, Dissolved	mg/l	--	0.05	--	0.19	0.17
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05
Potassium, Dissolved	mg/l	--	--	--	2.4	2.3
Silicon, Dissolved	mg/l	--	--	--	4.96	4.99
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	6.6	6.3
Strontium, Dissolved	mg/l	--	--	--	6.98	7.58
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(1769/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-4M/S 19-Apr-1991	B-4M/S 29-Aug-1991
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	380	540
Ammonia Nitrogen	mg/l	--	--	--	<0.1	10
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	4
Bromide	mg/l	--	--	--	<0.1	0.34
Chemical Oxygen Demand	mg/l	--	--	--	15	<3
Chloride	mg/l	--	250	--	24	65
Conductivity	uS/cm	--	--	--	600	1050
Cyanide	mg/l	0.2	--	--	<0.001	0.001
Fluoride	mg/l	1.5	--	--	0.27	0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*380*	*511*
Nitrate	mg/l	-- [7]	--	--	0.11	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.005
Nitrogen, Organic	mg/l	--	--	0.15	*2.5*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.6	10
pH	-	--	--	8.5	6.92	--
Phosphate	mg/l	--	--	--	<0.2	0.02
Phosphorus	mg/l	--	--	--	<0.5	<0.5
Sulfate	mg/l	--	500 [9]	--	37	3.8
Temperature	deg c	--	15	--	5	12.2
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.0041
Barium, Dissolved	mg/l	1	--	--	0.537	**1.81**
Beryllium, Dissolved	mg/l	--	--	--	0.0005	<0.0005
Boron, Dissolved	mg/l	5	--	--	0.087	0.18
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001
Calcium, Dissolved	mg/l	--	--	--	97.8	137
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	12.3	36.7
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	29.2	41.1
Manganese, Dissolved	mg/l	--	0.05	--	0.29	1.05
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05
Potassium, Dissolved	mg/l	--	--	--	5.3	10.9
Silicon, Dissolved	mg/l	--	--	--	4.7	7.49
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	15.6	53.8
Strontium, Dissolved	mg/l	--	--	--	9.97	5.1
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	0.006
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(1769/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-4S 19-Apr-1991	B-4S 29-Aug-1991
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	670	510
Ammonia Nitrogen	mg/l	--	--	--	13	18
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	6
Bromide	mg/l	--	--	--	0.25	0.45
Chemical Oxygen Demand	mg/l	--	--	--	61	33
Chloride	mg/l	--	250	--	65	74
Conductivity	uS/cm	--	--	--	1250	1250
Cyanide	mg/l	0.2	--	--	<0.001	<0.001
Fluoride	mg/l	1.5	--	--	<0.1	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*550*	*552*
Nitrate	mg/l	-- [7]	--	--	0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.5	<0.005
Nitrogen, Organic	mg/l	--	--	0.15	*6*	*2*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	19	20
pH	-	--	--	8.5	6.51	--
Phosphate	mg/l	--	--	--	<0.2	0.03
Phosphorus	mg/l	--	--	--	<0.5	<0.5
Sulfate	mg/l	--	500 [9]	--	2.3	0.25
Temperature	deg c	--	15	--	4.4	13.9
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	0.008	**0.042**
Barium, Dissolved	mg/l	1	--	--	**4.18**	**1.55**
Beryllium, Dissolved	mg/l	--	--	--	<0.0005	<0.0005
Boron, Dissolved	mg/l	5	--	--	0.26	0.334
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001	<0.0001
Calcium, Dissolved	mg/l	--	--	--	137	150
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	58.4	67.4
Lead, Dissolved	mg/l	0.01	--	--	<0.05	<0.05
Magnesium, Dissolved	mg/l	--	--	--	48.9	43
Manganese, Dissolved	mg/l	--	0.05	--	1.15	1.76
Molybdenum, Dissolved	mg/l	--	--	--	<0.2	<0.2
Nickel, Dissolved	mg/l	--	--	--	<0.05	<0.05
Potassium, Dissolved	mg/l	--	--	--	15.5	16.7
Silicon, Dissolved	mg/l	--	--	--	10	8.96
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	63.3	69.8
Strontium, Dissolved	mg/l	--	--	--	1.37	0.681
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	0.008	0.009
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01

Footnotes:

Tables should be read in conjunction with the accompanying document.
< value = Indicates parameter not detected above laboratory method detection limit
> value = Indicates parameter detected above equipment analytical range
-- Chemical not analyzed or criteria not defined
(1) Ontario Drinking Water Quality Standards - Health Based Standards
(2) Bold = Parameter concentration greater than ODWQS(169/03)-Health
(3) Ontario Drinking Water Quality Standards - Aesthetic Objectives. Aesthetic Objectives are established for parameters that may impair the taste, odour or colour of water or which may interfere with good water quality control practices. For certain parameters, both aesthetic objectives and health-related MACs have been derived.
(4) Underline = Parameter concentration greater than ODWQS-AO
(5) Ontario Drinking Water Quality Standards - Operational Guidelines. Operational Guidelines are established for parameters that, if not controlled, may negatively affect the efficient and effective treatment, disinfection and distribution of the water.
(6) Italic = Parameter concentration greater than ODWQS-OG
(7) Criteria exist for Nitrate as N
(8) Criteria exist for Nitrite as N
(9) There may be a laxative effect in some individuals when sulphate levels exceed 500 mg/L.
(10) The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.
(11) Applicable for all waters at the point of consumption.
(12) The Operational Guidelines for filtration processes are provided as performance criteria in the Procedure for Disinfection of Drinking Water in Ontario.

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Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	00-1D 05-Nov-2000	00-1D 09-May-2001
General Chemistry						
Conductivity	uS/cm	--	--	--	466	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	00-1M 05-Nov-2000	00-1M 09-May-2001
General Chemistry						
Conductivity	uS/cm	--	--	--	310	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	00-1S 05-Nov-2000	00-1S 09-May-2001
General Chemistry						
Conductivity	uS/cm	--	--	--	595	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	00-2D 05-Nov-2000	00-2D 14-May-2001
General Chemistry						
Conductivity	uS/cm	--	--	--	568	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	00-2M 05-Nov-2000	00-2M 14-May-2001

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	00-2S 05-Nov-2000	00-2S 14-May-2001
General Chemistry						
Conductivity	uS/cm	--	--	--	502	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	00-3 05-Nov-2000	00-3 15-May-2001
General Chemistry						
Conductivity	uS/cm	--	--	--	399	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-2D 20-May-1993	90-2D 30-Aug-1993	90-2D 24-Nov-1993	90-2D 16-May-1994	90-2D 20-Sep-1994	90-2D 25-Apr-1995	90-2D 18-Sep-1995	90-2D 07-May-1996	90-2D 25-Sep-1996	90-2D 08-May-1997
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	230	330	320	260	300	260	290	270	320	260
Ammonia Nitrogen	mg/l	--	--	--	0.32	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06	<0.06	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	8	<3	<3	<3	<2	<2	--
Bromide	mg/l	--	--	--	<0.1	0.14	<0.1	<0.1	0.15	<0.1	0.16	<0.1	0.14	--
Chemical Oxygen Demand	mg/l	--	--	--	66	11	20	6	17	9	<5	<10	<5	<5
Chloride	mg/l	--	250	--	9.3	26	11	43	14	8.4	1.9	7.9	8.7	7
Conductivity	uS/cm	--	--	--	600	700	800	600	600	725	700	790	580	540
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	0.004	<0.002	<0.002	<0.002	<0.005	<0.005	--
Fluoride	mg/l	1.5	--	--	<0.1	0.21	0.26	0.26	0.15	0.12	0.18	0.36	0.28	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*350*	*450*	*520*	*330*	*360*	*420*	*360*	*340*	*360*	*310*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	0.21	--
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.105	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.15	<0.31	--
Nitrogen, Organic	mg/l	--	--	0.15	0.01	<0.3	<0.26	<0.1	<0.31	<0.1	<0.58	<0.25	<0.38	<0.28
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.33	0.3	0.26	<0.1	0.31	<0.1	0.58	0.25	0.38	0.28
pH	-	--	--	8.5	7	7.1	7.4	6.8	7.4	7.2	7.4	7.1	6.9	6.4
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.15	--	--	<1	<0.2	--
Sulfate	mg/l	--	500 [9]	--	75	37	74	45	28	46	30	46	56	--
Temperature	deg c	--	15	--	8.5	11	9	9	10	10	10	8	5.5	8
Total Dissolved Solids	mg/l	--	500	--	410	410	460	380	370	350	400	340	390	390
Total Organic Carbon	mg/l	--	--	--	4	3.9	4.8	2	3.3	3.1	3.8	16	6	4.7
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	0.05	<0.1	<0.1	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--
Barium, Dissolved	mg/l	1	--	--	0.19	0.2	0.21	0.17	0.19	0.2	0.19	0.15	0.19	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Boron, Dissolved	mg/l	5	--	--	0.07	0.21	0.17	0.1	<0.05	<0.05	0.18	0.1	0.3	0.08
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.005	0.00031	0.0004	0.0003	<0.005	<0.005	<0.00008	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	97	140	150	94	102	130	100	101	100	91
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	1.4	1.9	2.1	1.17	1.4	1.3	1.3	1	1.2	0.94
Lead, Dissolved	mg/l	0.01	--	--	**0.016**	<0.01	0.004	0.001	0.007	0.01	0.0085	<0.0006	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	26	34	33	24	26	26	26	21	23	20
Manganese, Dissolved	mg/l	--	0.05	--	0.26	0.35	0.37	0.21	0.24	0.22	0.22	0.19	0.2	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	3	2.4	<2	<2	3.6	<2	2.4	1.8	2.6	2.3
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	5.6	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.02	--
Sodium, Dissolved	mg/l	--	200 [10]	--	12	15	11	9.6	14	13	13	9.6	10	8
Strontium, Dissolved	mg/l	--	--	--	1.9	2.1	1.1	1.48	1.8	1.6	1.7	1.3	1.4	1.2
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	<1	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	0.1	<0.01	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-2D 02-Oct-1997	90-2D 12-May-1998	90-2D 22-Sep-1998	90-2D 04-May-1999	90-2D 29-Sep-1999	90-2D 30-May-2000
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	280	250	300	260	284	280
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	0.15	<0.1	<0.1	0.03
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	17	<5	<5	17	12
Chloride	mg/l	--	250	--	15	7	7.7	6.5	14.6	14
Conductivity	uS/cm	--	--	--	660	530	565	450	440	420
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*330*	*330*	*340*	*320*	*332.8*	*341*
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.36	<0.24	0.1	<0.52	<0.1	*1.26*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.36	0.24	0.25	0.52	0.1	1.29
pH	-	--	--	8.5	7.3	7.5	7.2	7.5	7.02	5.8
Phosphate	mg/l	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	9	10	4	5	10	15
Total Dissolved Solids	mg/l	--	500	--	420	360	380	380	362	344
Total Organic Carbon	mg/l	--	--	--	3.1	0.9	3	2.5	2.6	3.6
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.15	0.06	0.11	0.1	--	0.09
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	95	90	98	92	95.4	102
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	1.1	0.91	1.2	0.88	0.99	0.99
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	22	19	23	21	23	21
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	2.2	2.1	2.5	2.2	1	2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	9.8	7.4	9.1	8.4	18.1	9
Strontium, Dissolved	mg/l	--	--	--	1.4	1.2	1.4	1.3	1.34	1.05
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-4D 18-May-1993	90-4D 18-May-1993 90-4D-FD (Field Duplicate)	90-4D 30-Aug-1993	90-4D 25-Nov-1993	90-4D 16-May-1994	90-4D 20-Sep-1994	90-4D 26-Apr-1995
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	400	360	970	370	340	350	310
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.29	<0.1	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	7	<3	5	<3	<3
Bromide	mg/l	--	--	--	<0.1	<0.1	0.22	0.22	0.14	0.14	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	46	33	10	30	7	15	12
Chloride	mg/l	--	250	--	48	48	56	62	60	13	29
Conductivity	uS/cm	--	--	--	800	800	800	950	800	700	650
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Fluoride	mg/l	1.5	--	--	0.13	0.12	0.34	0.3	0.41	0.23	0.2
Hardness, Calcium Carbonate	mg/l	--	--	100	*460*	*470*	*610*	*540*	*380*	*370*	*380*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrogen, Organic	mg/l	--	--	0.15	<0.72	<0.47	<0.25	<3.1	--	<0.1	<1.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.72	0.47	0.25	3.1	--	<0.1	1.1
pH	-	--	--	8.5	7	7	7.1	7.3	6.8	7.3	7.4
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Sulfate	mg/l	--	500 [9]	--	34	34	63	47	33	24	42
Temperature	deg c	--	15	--	8.5	8.5	11	8	9	11	8
Total Dissolved Solids	mg/l	--	500	--	490	540	600	530	420	540	330
Total Organic Carbon	mg/l	--	--	--	3.5	4	3.3	3.8	3.6	3.6	4.7
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	0.05	0.05	<0.05	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.0005	<0.002	<0.002	0.002	<0.002	<0.002
Barium, Dissolved	mg/l	1	--	--	0.19	0.2	0.2	0.2	0.2	0.19	0.18
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.11	0.11	0.17	0.17	0.11	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	0.0003	0.0003	<0.005	<0.00015	0.0003	0.0003	<0.005
Calcium, Dissolved	mg/l	--	--	--	120	120	160	140	99	95	100
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	0.18	<0.05	<0.05	0.05	0.07
Lead, Dissolved	mg/l	0.01	--	--	**0.013**	**0.017**	<0.01	0.007	0.002	0.008	0.008
Magnesium, Dissolved	mg/l	--	--	--	39	40	51	45	33	32	31
Manganese, Dissolved	mg/l	--	0.05	--	0.88	0.92	0.94	0.84	0.69	0.65	0.62
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	3.5	3.2	3.3	2.9	6.4	5.6	4.5
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	6.3
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	25	24	21	21	17	19	17
Strontium, Dissolved	mg/l	--	--	--	3.6	3.8	3.6	3.5	2.6	2.8	2.5
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-4M 25-Nov-1993	90-4M 24-May-1994	90-4M 20-Sep-1994	90-4M 24-Apr-1995
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	270	290	320	290
Ammonia Nitrogen	mg/l	--	--	--	<0.1	0.47	<0.1	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.16	0.21	0.19	0.13
Chemical Oxygen Demand	mg/l	--	--	--	18	8	11	20
Chloride	mg/l	--	250	--	41	34	29	56
Conductivity	uS/cm	--	--	--	700	550	700	725
Cyanide	mg/l	0.2	--	--	<0.002	0.005	<0.002	<0.002
Fluoride	mg/l	1.5	--	--	0.56	0.45	0.36	0.32
Hardness, Calcium Carbonate	mg/l	--	--	100	*330*	*390*	*330*	*360*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	0.12
Nitrite	mg/l	-- [8]	--	--	<0.1	<1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.2	<1.1	<0.2	<0.22
Nitrogen, Organic	mg/l	--	--	0.15	<2.8	<0.01	<0.13	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.8	0.17	0.13	<0.1
pH	-	--	--	8.5	7.8	7.2	7.2	7.6
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	--
Sulfate	mg/l	--	500 [9]	--	54	29	47	33
Temperature	deg c	--	15	--	8.5	10	12	8.5
Total Dissolved Solids	mg/l	--	500	--	370	450	460	380
Total Organic Carbon	mg/l	--	--	--	1.4	4.6	2	2
Metals								
Aluminum, Dissolved	mg/l	--	--	0.1	0.05	<0.05	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	0.004	<0.002	<0.002	<0.002
Barium, Dissolved	mg/l	1	--	--	0.15	0.22	0.19	0.18
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.1	<0.05	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00015	0.0003	0.0002	<0.005
Calcium, Dissolved	mg/l	--	--	--	55	60	51	56
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.51	0.14	0.07	0.2
Lead, Dissolved	mg/l	0.01	--	--	0.006	<0.001	**0.011**	0.009
Magnesium, Dissolved	mg/l	--	--	--	47	59	49	53
Manganese, Dissolved	mg/l	--	0.05	--	0.06	0.12	0.04	0.082
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	<2	2.5	2.2	<2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	16
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	29	22	39	41
Strontium, Dissolved	mg/l	--	--	--	3.1	4.6	3.9	4.2
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.1	<0.1	<0.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-4S 25-Nov-1993	90-4S 24-May-1994	90-4S 24-Apr-1995
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	540	330	250
Ammonia Nitrogen	mg/l	--	--	--	0.8	0.36	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3
Bromide	mg/l	--	--	--	0.28	0.18	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	47	28	40
Chloride	mg/l	--	250	--	150	140	360
Conductivity	uS/cm	--	--	--	1250	1050	1550
Cyanide	mg/l	0.2	--	--	<0.002	0.005	<0.002
Fluoride	mg/l	1.5	--	--	<0.1	0.14	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*580*	*470*	*410*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.2	<1.1	<0.2
Nitrogen, Organic	mg/l	--	--	0.15	*3.5*	*0.74*	<0.32
Nitrogen, Total Kjeldahl	mg/l	--	--	--	4.3	1.1	0.32
pH	-	--	--	8.5	7.2	7	6.8
Phosphate	mg/l	--	--	--	<0.1	<0.1	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	--
Sulfate	mg/l	--	500 [9]	--	43	34	75
Temperature	deg c	--	15	--	7	10	6
Total Dissolved Solids	mg/l	--	500	--	800	670	830
Total Organic Carbon	mg/l	--	--	--	12	12	7.9
Metals							
Aluminum, Dissolved	mg/l	--	--	0.1	0.06	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002
Barium, Dissolved	mg/l	1	--	--	0.13	0.1	0.069
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.1	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	0.00028	0.0005	<0.005
Calcium, Dissolved	mg/l	--	--	--	180	139	120
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	0.08	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	13	5.3	1.5
Lead, Dissolved	mg/l	0.01	--	--	**0.02**	0.003	**0.031**
Magnesium, Dissolved	mg/l	--	--	--	33	29	24
Manganese, Dissolved	mg/l	--	0.05	--	1.6	1.4	0.27
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	7	6.1	3.2
Silicon, Dissolved	mg/l	--	--	--	--	--	4
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	94	79	190
Strontium, Dissolved	mg/l	--	--	--	0.6	0.5	0.36
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05
Titanium, Dissolved	mg/l	--	--	--	0.013	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.1	<0.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-10D 25-May-1993	91-10D 25-May-1993 91-10D-FD (Field Duplicate)	91-10D 31-Aug-1993	91-10D 25-Nov-1993	91-10D 12-May-1994	91-10D 16-Sep-1994	91-10D 20-Apr-1995	91-10D 18-Sep-1995	91-10D 09-May-1996
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	170	190	240	200	180	190	220	260	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3	--
Bromide	mg/l	--	--	--	<0.1	<0.1	0.1	<0.1	<0.1	0.15	<0.1	0.17	--
Chemical Oxygen Demand	mg/l	--	--	--	12	9	45	13	21	15	11	17	15
Chloride	mg/l	--	250	--	13	13	9.8	11	9.3	7.9	11	3.8	--
Conductivity	uS/cm	--	--	--	420	420	625	325	410	500	490	550	410
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	0.1	0.1	0.12	0.12	0.12	0.15	<0.1	<0.1	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*260*	*260*	*300*	*270*	*250*	*300*	*300*	*280*	--
Nitrate	mg/l	-- [7]	--	--	0.24	0.23	<0.1	0.32	0.21	<0.1	1.6	<0.1	--
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.245	<0.235	<0.2	<0.42	<0.31	<0.2	<1.7	<0.2	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.36	<0.33	<0.74	<0.1	<0.25	<0.14	<0.1	*1.1*	<0.44
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.36	0.33	0.74	0.1	0.25	0.14	<0.1	1.2	0.44
pH	-	--	--	8.5	6.9	6.9	6.5	6.9	6.6	6.5	6.7	6.6	6.6
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	--	--	<1
Sulfate	mg/l	--	500 [9]	--	37	35	30	35	34	56	22	17	--
Temperature	deg c	--	15	--	9.5	9.5	10.5	7	9.5	9	9	9.5	6.5
Total Dissolved Solids	mg/l	--	500	--	290	290	310	270	260	330	260	300	--
Total Organic Carbon	mg/l	--	--	--	6.3	6.5	10	8.1	3.4	11	6.8	12	--
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	0.07	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.0005	0.004	<0.002	0.002	<0.002	<0.002	<0.002	<0.005
Barium, Dissolved	mg/l	1	--	--	0.31	0.3	0.48	0.28	0.24	0.48	0.4	0.53	0.18
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	0.08	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	<0.002	0.0004	<0.003	0.00041	0.0002	0.0004	<0.005	<0.005	<0.00008
Calcium, Dissolved	mg/l	--	--	--	84	84	100	87	78	97	100	94	69
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	0.19	0.2	2.1	0.32	0.26	2.3	0.86	4.4	0.71
Lead, Dissolved	mg/l	0.01	--	--	<0.01	<0.01	<0.01	<0.001	<0.001	0.004	0.004	0.0055	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	11	11	13	11	13	13	13	12	8.5
Manganese, Dissolved	mg/l	--	0.05	--	1.2	1.2	2.8	1.58	0.65	2.9	2.3	3.2	0.7
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	<2	<2	<2	<2	<2	<2	<2	<2	2.3
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	5.1	--	--
Silver, Dissolved	mg/l	--	--	--	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	6.4	6.4	9.7	6.3	7.2	11	9.7	9.8	3.9
Strontium, Dissolved	mg/l	--	--	--	0.11	0.11	0.13	0.1	0.1	0.13	0.11	0.13	0.07
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-10D 09-May-1996 91-10D-FD (Field Duplicate)	91-10D 26-Sep-1996	91-10D 28-Nov-1996	91-10D 06-May-1997	91-10D 23-Sep-1997	91-10D 06-May-1998	91-10D 17-Sep-1998	91-10D 27-Apr-1999	91-10D 23-Sep-1999
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	--	250	--	151	250	180	230	180	249
Ammonia Nitrogen	mg/l	--	--	--	--	<0.06	--	<0.1	0.18	<0.1	0.18	0.11	0.14
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	<2	--	<2	<2	<2	<2	<2	2
Bromide	mg/l	--	--	--	--	0.14	--	0.12	<0.1	<0.1	<0.1	<0.1	<0.35
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	--	6	15	<5	29	<5	25
Chloride	mg/l	--	250	--	--	7.9	--	4.8	6.7	4.5	5.4	4.6	4.4
Conductivity	uS/cm	--	--	--	--	390	--	270	560	380	480	400	335
Cyanide	mg/l	0.2	--	--	--	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02
Fluoride	mg/l	1.5	--	--	--	0.13	--	0.1	0.17	<0.1	0.11	<0.1	0.3
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*220*	--	*200*	*270*	*210*	*240*	*200*	*215.91*
Nitrate	mg/l	-- [7]	--	--	--	0.69	--	0.45	<0.05	0.17	<0.1	0.23	0.1
Nitrite	mg/l	-- [8]	--	--	--	<0.1	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	<0.79	--	<0.55	<0.15	<0.27	<0.2	<0.33	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.57	--	<0.21	*0.39*	<0.43	0.04	0.13	*0.26*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.57	--	0.21	0.57	0.43	0.22	0.24	0.4
pH	-	--	--	8.5	--	6.1	--	7.1	6.3	6.92	6.9	7	6.9
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	0.51	<0.2	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.06
Sulfate	mg/l	--	500 [9]	--	--	39	--	22	23	24	24	26	19.1
Temperature	deg c	--	15	--	--	5	--	7	9.5	10	3	9.5	4
Total Dissolved Solids	mg/l	--	500	--	--	310	--	190	330	240	250	200	378
Total Organic Carbon	mg/l	--	--	--	--	15	--	6.8	14	1.8	4.4	3.2	6.2
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.1	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.025
Arsenic, Dissolved	mg/l	0.025	--	--	--	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.06
Barium, Dissolved	mg/l	1	--	--	--	0.34	--	0.18	0.35	0.21	0.27	0.2	--
Beryllium, Dissolved	mg/l	--	--	--	--	<0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Dissolved	mg/l	5	--	--	--	0.2	--	<0.05	<0.05	<0.05	<0.05	<0.05	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.00008	--	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002
Calcium, Dissolved	mg/l	--	--	--	--	85	--	65	90	68	77	62	65.7
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.005
Cobalt, Dissolved	mg/l	--	--	--	--	<0.09	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.005
Copper, Dissolved	mg/l	--	1	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.003
Iron, Dissolved	mg/l	--	0.3	--	--	0.5	--	0.24	0.36	0.25	0.15	<0.05	0.298
Lead, Dissolved	mg/l	0.01	--	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.002
Magnesium, Dissolved	mg/l	--	--	--	--	12	--	8.5	11	10	11	10	12.6
Manganese, Dissolved	mg/l	--	0.05	--	--	1.1	--	0.43	2.3	0.6	1.3	0.43	1.76
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.04	--	<0.02	0.03	<0.02	<0.02	<0.02	<0.006
Nickel, Dissolved	mg/l	--	--	--	--	<0.03	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	--	1.2	--	1.3	1.7	1	1	<1	2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	<0.02	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007
Sodium, Dissolved	mg/l	--	200 [10]	--	--	7.5	--	4.3	7	5.2	6.3	6.3	8.28
Strontium, Dissolved	mg/l	--	--	--	--	0.11	--	0.08	0.12	0.09	0.12	0.09	0.133
Thallium, Dissolved	mg/l	--	--	--	--	<1	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
Titanium, Dissolved	mg/l	--	--	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.003
Vanadium, Dissolved	mg/l	--	--	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.006
Zinc, Dissolved	mg/l	--	5	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.173
Zirconium, Dissolved	mg/l	--	--	--	--	<0.01	--	<0.02	<0.02	<0.02	<0.02	<0.02	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-10D 23-May-2000	91-10D 09-May-2001	91-10D 09-May-2001 91-10D-FD (Field Duplicate)
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	191	196	195
Ammonia Nitrogen	mg/l	--	--	--	0.03	0.07	0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	1	<1
Bromide	mg/l	--	--	--	<0.05	<0.05	<0.05
Chemical Oxygen Demand	mg/l	--	--	--	10	11	8
Chloride	mg/l	--	250	--	7	9	9
Conductivity	uS/cm	--	--	--	350	430	--
Cyanide	mg/l	0.2	--	--	<0.02	<0.005	<0.005
Fluoride	mg/l	1.5	--	--	0.15	0.14	0.14
Hardness, Calcium Carbonate	mg/l	--	--	100	49	*222*	*215*
Nitrate	mg/l	-- [7]	--	--	0.35	0.23	0.24
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.47*	0.12	0.13
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.5	0.19	0.19
pH	-	--	--	8.5	6.8	6.7	--
Phosphate	mg/l	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	<0.01	0.03
Sulfate	mg/l	--	500 [9]	--	30	31	31
Temperature	deg c	--	15	--	12	10	--
Total Dissolved Solids	mg/l	--	500	--	272	272	280
Total Organic Carbon	mg/l	--	--	--	4	4.5	4.7
Metals							
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	<0.001	<0.001
Barium, Dissolved	mg/l	1	--	--	0.21	0.24	0.23
Beryllium, Dissolved	mg/l	--	--	--	<0.002	<0.002	<0.002
Boron, Dissolved	mg/l	5	--	--	0.04	0.03	0.03
Cadmium, Dissolved	mg/l	0.005	--	--	<0.005	<0.0001	<0.0001
Calcium, Dissolved	mg/l	--	--	--	--	69	68
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	0.004	0.004
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.0002	<0.0002
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.001	<0.001
Iron, Dissolved	mg/l	--	0.3	--	0.04	0.06	0.09
Lead, Dissolved	mg/l	0.01	--	--	<0.002	<0.001	<0.001
Magnesium, Dissolved	mg/l	--	--	--	12	12	11
Manganese, Dissolved	mg/l	--	0.05	--	0.35	0.72	0.66
Molybdenum, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	<1	<1	<1
Silicon, Dissolved	mg/l	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.01	<0.0001	<0.0001
Sodium, Dissolved	mg/l	--	200 [10]	--	6	6	6
Strontium, Dissolved	mg/l	--	--	--	0.114	0.108	0.104
Thallium, Dissolved	mg/l	--	--	--	<0.2	<0.001	<0.001
Titanium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.01	<0.001	<0.001
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.004	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-10M 20-May-1993	91-10M 31-Aug-1993	91-10M 25-Nov-1993	91-10M 12-May-1994	91-10M 16-Sep-1994	91-10M 20-Apr-1995	91-10M 18-Sep-1995	91-10M 09-May-1996	91-10M 09-May-1996 91-10M-FD (Field Duplicate)
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	190	280	220	210	240	210	230	190	--
Ammonia Nitrogen	mg/l	--	--	--	0.12	0.26	0.26	<0.1	<0.1	<0.1	0.33	<0.06	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	4	<3	<3	<3	<3	<3	<3	<2	--
Bromide	mg/l	--	--	--	<0.1	0.11	<0.1	<0.1	0.15	<0.1	0.16	<0.1	--
Chemical Oxygen Demand	mg/l	--	--	--	12	36	13	23	10	18	10	10	--
Chloride	mg/l	--	250	--	12	11	13	12	7.9	11	4.7	6.9	--
Conductivity	uS/cm	--	--	--	430	600	420	450	550	550	550	530	--
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	--
Fluoride	mg/l	1.5	--	--	<0.1	0.11	0.14	0.11	0.16	<0.1	<0.1	<0.07	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*250*	*310*	*285*	*260*	*300*	*300*	*280*	*230*	--
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.05	--
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.105	<0.2	<0.2	<0.2	<0.21	<0.2	<0.2	<0.15	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.31*	*0.5*	<0.1	<0.17	<0.48	<0.16	*0.77*	<0.47	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.43	0.76	0.16	0.17	0.48	0.16	1.1	0.47	--
pH	-	--	--	8.5	7.3	6.5	7	6.6	6.5	6.7	6.7	6.9	--
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	0.17	<0.1	--	--	<1	<1
Sulfate	mg/l	--	500 [9]	--	36	35	37	34	28	20	20	23	--
Temperature	deg c	--	15	--	8	11	7.5	8.5	10	9	9	6.5	--
Total Dissolved Solids	mg/l	--	500	--	280	350	270	310	320	240	280	270	--
Total Organic Carbon	mg/l	--	--	--	5.8	11	4.8	11	13	7.8	12	25	--
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.09	<0.05	<0.05	<0.05	0.06	*0.13*	<0.1	--
Arsenic, Dissolved	mg/l	0.025	--	--	0.0011	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	--
Barium, Dissolved	mg/l	1	--	--	0.47	0.71	0.47	0.45	0.68	0.65	0.64	0.35	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.07	0.05	0.09	<0.05	<0.05	0.09	<0.05	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.005	0.0004	0.0003	0.0003	<0.005	<0.005	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	83	99	95	82	95	110	90	77	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	4.8	11	4.15	3.66	11	8.3	11	2.8	--
Lead, Dissolved	mg/l	0.01	--	--	<0.01	<0.01	<0.001	<0.001	0.005	0.004	0.005	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	11	15	12	12.6	14	14	13	9.5	--
Manganese, Dissolved	mg/l	--	0.05	--	1.8	3.7	1.9	1.67	3.9	3.1	3.7	1.8	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	<2	<2	<2	<2	<2	<2	<2	1.4	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	7.4	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	--
Sodium, Dissolved	mg/l	--	200 [10]	--	7	12	7	7.4	12	12	10	5.5	--
Strontium, Dissolved	mg/l	--	--	--	0.1	0.12	0.1	0.1	0.13	0.12	0.12	0.08	--
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-10M 26-Sep-1996	91-10M 29-Nov-1996	91-10M 06-May-1997	91-10M 23-Sep-1997	91-10M 06-May-1998	91-10M 17-Sep-1998	91-10M 27-Apr-1999	91-10M 23-Sep-1999	91-10M 23-Sep-1999 91-10M-FD (Field Duplicate)
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	270	--	194	240	200	240	220	242	--
Ammonia Nitrogen	mg/l	--	--	--	0.2	--	<0.1	0.38	0.36	0.68	0.31	0.6	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	*<2*	--	*<2*	*<2*	*<2*	*<2*	*<2*	5	--
Bromide	mg/l	--	--	--	0.16	--	0.66	<0.1	<0.1	<0.1	<0.1	<0.35	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	18	27	14	47	<5	41	--
Chloride	mg/l	--	250	--	11	--	6.1	6.4	4.2	5.8	4.1	5.1	--
Conductivity	uS/cm	--	--	--	440	--	390	530	430	465	520	355	--
Cyanide	mg/l	0.2	--	--	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	--
Fluoride	mg/l	1.5	--	--	0.15	--	0.12	0.17	0.21	<0.1	<0.1	0.3	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*400*	--	*240*	*260*	*190*	*260*	*230*	*266.16*	--
Nitrate	mg/l	-- [7]	--	--	0.21	--	<0.05	<0.05	<0.1	<0.1	<0.1	0.1	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.31	--	<0.15	<0.15	<0.1	<0.2	<0.2	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.69*	--	<0.61	*0.62*	*0.33*	*0.32*	*0.3*	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.89	--	0.61	1	0.69	1	0.61	0.3	--
pH	-	--	--	8.5	6.2	--	7.3	5.9	6.87	6.8	6.97	6.6	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.2	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.06	<0.06
Sulfate	mg/l	--	500 [9]	--	48	--	28	23	22	27	21	19.9	--
Temperature	deg c	--	15	--	6.5	--	7	9.5	9	6	9.5	4.5	--
Total Dissolved Solids	mg/l	--	500	--	360	--	290	340	280	270	260	441	--
Total Organic Carbon	mg/l	--	--	--	17	--	11	27	5.2	9.2	8.1	4.1	--
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	*0.11*	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.025	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.06	--
Barium, Dissolved	mg/l	1	--	--	0.57	--	0.41	0.63	0.49	0.6	0.51	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Boron, Dissolved	mg/l	5	--	--	0.24	--	<0.05	<0.05	<0.05	0.05	<0.05	--	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	<0.00008	0.00091	<0.00008	<0.00008	<0.00008	<0.0002	--
Calcium, Dissolved	mg/l	--	--	--	92	--	79	86	77	81	75	85.8	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.005	--
Cobalt, Dissolved	mg/l	--	--	--	<0.09	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.005	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.003	--
Iron, Dissolved	mg/l	--	0.3	--	4.9	--	4.5	12	7.4	9.5	7.9	14.1	--
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.002	--
Magnesium, Dissolved	mg/l	--	--	--	14	--	11	11	9.8	13	11	12.6	--
Manganese, Dissolved	mg/l	--	0.05	--	2.6	--	2.2	3.5	2.3	3.4	2.4	3.37	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.006	--
Nickel, Dissolved	mg/l	--	--	--	<0.03	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Potassium, Dissolved	mg/l	--	--	--	1.6	--	1.3	1.1	1.5	1.1	1.2	1	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007	--
Sodium, Dissolved	mg/l	--	200 [10]	--	9.7	--	6.5	7.8	6.1	8.8	6.8	10.1	--
Strontium, Dissolved	mg/l	--	--	--	0.12	--	0.09	0.1	0.09	0.12	0.1	0.118	--
Thallium, Dissolved	mg/l	--	--	--	<1	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.003	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.003	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	<0.01	<0.01	<0.01	0.02	<0.01	0.164	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-10M 23-May-2000	91-10M 09-May-2001
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	201	227
Ammonia Nitrogen	mg/l	--	--	--	0.29	0.35
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	<1
Bromide	mg/l	--	--	--	<0.05	<0.05
Chemical Oxygen Demand	mg/l	--	--	--	49	17
Chloride	mg/l	--	250	--	4	11
Conductivity	uS/cm	--	--	--	350	410
Cyanide	mg/l	0.2	--	--	<0.02	<0.005
Fluoride	mg/l	1.5	--	--	0.14	0.11
Hardness, Calcium Carbonate	mg/l	--	--	100	41	*235*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.55*	*0.18*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.84	0.53
pH	-	--	--	8.5	6.6	6.5
Phosphate	mg/l	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	0.02
Sulfate	mg/l	--	500 [9]	--	22	22
Temperature	deg c	--	15	--	12	10
Total Dissolved Solids	mg/l	--	500	--	308	304
Total Organic Carbon	mg/l	--	--	--	6.6	7.9
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	<0.001
Barium, Dissolved	mg/l	1	--	--	0.39	0.47
Beryllium, Dissolved	mg/l	--	--	--	<0.002	<0.002
Boron, Dissolved	mg/l	5	--	--	0.04	0.03
Cadmium, Dissolved	mg/l	0.005	--	--	<0.005	<0.0001
Calcium, Dissolved	mg/l	--	--	--	--	76
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	0.004
Cobalt, Dissolved	mg/l	--	--	--	<0.01	0.0003
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.001
Iron, Dissolved	mg/l	--	0.3	--	5.46	6.26
Lead, Dissolved	mg/l	0.01	--	--	<0.002	<0.001
Magnesium, Dissolved	mg/l	--	--	--	10	11
Manganese, Dissolved	mg/l	--	0.05	--	1.72	2.39
Molybdenum, Dissolved	mg/l	--	--	--	<0.01	<0.01
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	1	1
Silicon, Dissolved	mg/l	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.01	<0.0001
Sodium, Dissolved	mg/l	--	200 [10]	--	6	6
Strontium, Dissolved	mg/l	--	--	--	0.092	0.109
Thallium, Dissolved	mg/l	--	--	--	<0.2	<0.001
Titanium, Dissolved	mg/l	--	--	--	<0.01	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.01	0.001
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.004	<0.01

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-10S 28-Nov-1996

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-11D 20-May-1993	91-11D 31-Aug-1993	91-11D 31-Aug-1993 91-11D-FD (Field Duplicate)	91-11D 25-Nov-1993	91-11D 12-May-1994	91-11D 16-Sep-1994	91-11D 20-Apr-1995	91-11D 18-Sep-1995	91-11D 08-May-1996
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	250	290	280	290	300	360	270	260	260
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	<0.1	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3	<2
Bromide	mg/l	--	--	--	<0.1	0.1	0.1	0.12	<0.1	0.15	<0.1	0.17	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	<5	18	22	<5	22	<5	9	<5	11
Chloride	mg/l	--	250	--	13	10	10	16	13	12	12	5.7	11
Conductivity	uS/cm	--	--	--	625	675	675	800	650	600	650	700	650
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	<0.1	0.28	0.28	0.38	0.32	0.28	0.15	0.19	0.26
Hardness, Calcium Carbonate	mg/l	--	--	100	*380*	*390*	*390*	*360*	*360*	*360*	*400*	*340*	*345*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
Nitrite	mg/l	-- [8]	--	--	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.15	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.15
Nitrogen, Organic	mg/l	--	--	0.15	<0.39	<0.25	<1.1	<0.1	--	<0.34	<0.1	<0.7	<0.25
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.39	0.25	1.1	<0.1	<0.1	0.34	<0.1	0.7	0.25
pH	-	--	--	8.5	6.7	7	7	7.2	6.9	6.9	7.1	7	6.9
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	<1
Sulfate	mg/l	--	500 [9]	--	63	71	71	68	70	54	38	43	74
Temperature	deg c	--	15	--	7.5	12	12	6	9	9.5	9	9	6
Total Dissolved Solids	mg/l	--	500	--	410	380	370	400	420	130	330	350	400
Total Organic Carbon	mg/l	--	--	--	5	4.4	4.8	4.5	4.7	4.7	4.5	4.8	15
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	0.06	<0.05	<0.05	<0.05	<0.05	0.07	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	0.0014	<0.002	0.004	<0.002	0.003	<0.002	<0.002	0.002	<0.005
Barium, Dissolved	mg/l	1	--	--	0.6	0.63	0.63	0.56	0.66	0.67	0.67	0.66	0.73
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	<0.05	0.09	0.09	0.06	0.07	<0.05	<0.05	0.11	0.1
Cadmium, Dissolved	mg/l	0.005	--	--	0.0003	<0.005	<0.005	0.0004	0.0003	0.0003	<0.005	<0.005	<0.00008
Calcium, Dissolved	mg/l	--	--	--	121	120	120	110	112	117	130	110	111
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	7.7	7.8	7.6	6.7	5.7	6.8	6.3	6.9	5.9
Lead, Dissolved	mg/l	0.01	--	--	<0.01	<0.01	<0.01	0.002	<0.001	0.005	0.005	0.0035	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	19	20	20	18	18.4	18	18	16	17
Manganese, Dissolved	mg/l	--	0.05	--	0.96	1	0.99	0.76	0.77	0.8	0.78	0.96	0.86
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	2	2.1	2.6	<2	<2	<2	<2	<2	2.2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	8.3	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	14	16	16	11	10.7	16	<0.01	13	11
Strontium, Dissolved	mg/l	--	--	--	0.81	0.75	0.74	0.78	0.69	0.8	0.73	0.54	0.66
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-11D 25-Sep-1996	91-11D 28-Nov-1996	91-11D 06-May-1997	91-11D 23-Sep-1997	91-11D 06-May-1998	91-11D 17-Sep-1998	91-11D 27-Apr-1999	91-11D 23-Sep-1999	91-11D 23-Sep-1999 91-11D-FD (Field Duplicate)
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	280	--	269	270	270	290	270	284	--
Ammonia Nitrogen	mg/l	--	--	--	<0.06	--	<0.1	<0.1	0.11	0.23	0.16	0.14	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<2	--	<2	<2	<2	<2	<2	<2	--
Bromide	mg/l	--	--	--	0.18	--	0.22	<0.1	0.1	0.1	0.1	<0.35	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	13	<5	<5	29	17	21	--
Chloride	mg/l	--	250	--	12	--	11	12	11	10	9.3	8.44	--
Conductivity	uS/cm	--	--	--	780	--	500	590	530	580	400	440	--
Cyanide	mg/l	0.2	--	--	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	--
Fluoride	mg/l	1.5	--	--	0.31	--	0.35	0.26	0.31	0.36	0.33	0.4	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*340*	--	*360*	*350*	*350*	*340*	*320*	*337.65*	--
Nitrate	mg/l	-- [7]	--	--	0.21	--	0.27	<0.05	<0.1	<0.1	<0.1	<0.1	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.31	--	<0.37	<0.15	<0.2	<0.2	<0.2	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.42	--	<0.6	<0.46	*0.35*	0.15	0.14	*0.46*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.42	--	0.6	0.46	0.46	0.38	0.3	0.6	--
pH	-	--	--	8.5	7.5	--	7.6	6.2	7.12	7	7.34	6.7	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.2	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.06	<0.06
Sulfate	mg/l	--	500 [9]	--	64	--	65	64	64	58	57	44	--
Temperature	deg c	--	15	--	6	--	6	9	9	5	8.5	1.5	--
Total Dissolved Solids	mg/l	--	500	--	560	--	450	450	400	380	350	423	--
Total Organic Carbon	mg/l	--	--	--	9	--	12	7	11	3.5	4.4	3.9	--
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	*0.12*	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.025	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	--
Barium, Dissolved	mg/l	1	--	--	0.61	--	0.63	0.66	0.56	0.59	0.58	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Boron, Dissolved	mg/l	5	--	--	0.29	--	<0.05	0.06	0.05	0.07	0.05	--	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	--
Calcium, Dissolved	mg/l	--	--	--	110	--	120	110	110	110	100	108	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.02	<0.02	0.006	--
Cobalt, Dissolved	mg/l	--	--	--	<0.09	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.005	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.003	--
Iron, Dissolved	mg/l	--	0.3	--	6.7	--	5.6	6.7	9	8.5	7.9	7.83	--
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	<0.0006	0.0017	<0.0006	0.003	<0.0006	<0.002	--
Magnesium, Dissolved	mg/l	--	--	--	15	--	15	15	15	15	16	16.5	--
Manganese, Dissolved	mg/l	--	0.05	--	1.1	--	0.78	1	0.91	1	0.79	1.02	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.006	--
Nickel, Dissolved	mg/l	--	--	--	<0.03	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Potassium, Dissolved	mg/l	--	--	--	2.9	--	1.7	2	1.9	1.5	1.8	1	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007	--
Sodium, Dissolved	mg/l	--	200 [10]	--	11	--	9.3	9.7	11	12	10	15.9	--
Strontium, Dissolved	mg/l	--	--	--	0.4	--	0.63	0.46	0.56	0.51	0.57	0.452	--
Thallium, Dissolved	mg/l	--	--	--	<1	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.003	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.008	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.147	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.003	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-11S 25-May-1993	91-11S 01-Sep-1993	91-11S 25-Nov-1993	91-11S 24-May-1994	91-11S 23-Sep-1994	91-11S 26-Apr-1995	91-11S 20-Sep-1995	91-11S 09-May-1996	91-11S 09-May-1996 91-11S-FD (Field Duplicate)
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	280	290	290	260	680	300	490	290	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<2	--
Bromide	mg/l	--	--	--	<0.1	<0.1	0.1	<0.1	0.16	<0.1	0.15	<0.1	--
Chemical Oxygen Demand	mg/l	--	--	--	13	14	13	10	29	20	34	16	--
Chloride	mg/l	--	250	--	21	11	14	9	11	12	20	11	--
Conductivity	uS/cm	--	--	--	900	850	875	800	900	925	1000	880	--
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.005	--
Fluoride	mg/l	1.5	--	--	0.27	0.63	0.38	0.37	0.52	0.23	0.44	0.39	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*470*	*450*	*460*	*440*	*410*	*450*	*210*	*475*	--
Nitrate	mg/l	-- [7]	--	--	0.11	<0.1	0.22	0.12	0.27	0.51	<0.1	0.54	--
Nitrite	mg/l	-- [8]	--	--	0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	0.12	<0.2	<0.32	<0.22	<0.37	<0.61	<0.2	<0.64	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.35	<0.21	<0.1	<0.1	<0.57	<0.85	<1.1	<0.73	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.35	0.21	<0.1	<0.1	0.57	0.85	1.1	0.73	--
pH	-	--	--	8.5	7	7.2	7.7	7	7	7	7.3	7.4	--
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	0.13	<0.1	<0.1	<0.1	0.19	--	--	<1	<1
Sulfate	mg/l	--	500 [9]	--	240	240	160	98	150	120	130	210	--
Temperature	deg c	--	15	--	9	11	8	10	10.5	7	10	3.5	--
Total Dissolved Solids	mg/l	--	500	--	580	560	570	500	560	500	610	630	--
Total Organic Carbon	mg/l	--	--	--	4.2	5.8	6.2	6.7	5.4	3.9	4.4	50	--
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.1	--
Arsenic, Dissolved	mg/l	0.025	--	--	0.0005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	--
Barium, Dissolved	mg/l	1	--	--	0.13	0.19	0.21	0.17	0.14	0.1	0.12	0.1	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	--
Cadmium, Dissolved	mg/l	0.005	--	--	0.0002	<0.005	0.00044	0.0005	0.0005	<0.005	<0.005	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	160	150	150	146	140	150	140	160	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	0.3	<0.05	<0.05	<0.05	<0.05	--
Lead, Dissolved	mg/l	0.01	--	--	**0.012**	<0.01	0.003	<0.001	**0.018**	**0.011**	**0.032**	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	18	19	19	18	17	17	18	18	--
Manganese, Dissolved	mg/l	--	0.05	--	0.032	0.026	0.05	0.08	0.005	<0.005	0.024	<0.01	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	2.2	3.2	<2	<2	<2	<2	<2	2.5	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	5.7	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	--
Sodium, Dissolved	mg/l	--	200 [10]	--	41	27	24	15	58	38	45	36	--
Strontium, Dissolved	mg/l	--	--	--	0.71	0.68	0.62	0.57	0.63	0.55	0.58	0.5	--
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-11S 25-Sep-1996	91-11S 28-Nov-1996	91-11S 06-May-1997	91-11S 23-Sep-1997	91-11S 06-May-1998	91-11S 17-Sep-1998	91-11S 28-Apr-1999	91-11S 23-Sep-1999
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	290	--	286	--	270	280	240	--
Ammonia Nitrogen	mg/l	--	--	--	<0.06	--	0.32	<0.1	<0.1	<0.1	0.51	<0.05
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	2.2	--	*<2*	3	*<2*	*<2*	*<2*	--
Bromide	mg/l	--	--	--	0.15	--	0.12	--	<0.1	<0.1	<0.1	--
Chemical Oxygen Demand	mg/l	--	--	--	12	--	17	8	<5	30	<5	10
Chloride	mg/l	--	250	--	11	--	10	--	9.4	11	10	--
Conductivity	uS/cm	--	--	--	790	--	630	--	810	800	600	--
Cyanide	mg/l	0.2	--	--	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02
Fluoride	mg/l	1.5	--	--	0.59	--	0.56	--	0.53	0.79	0.79	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*330*	--	*420*	*410*	*380*	*370*	*370*	--
Nitrate	mg/l	-- [7]	--	--	0.71	--	0.46	--	0.4	0.51	0.37	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--	<0.1	--	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.81	--	<0.56	--	<0.5	<0.61	<0.47	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.61	--	*0.88*	<0.41	<0.47	<0.31	*0.37*	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.61	--	1.2	0.41	0.47	0.31	0.88	0.1
pH	-	--	--	8.5	7.3	--	7.6	--	7.65	6.9	7.2	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.2	--	<0.2	<0.2	<0.2	<0.2	<0.2	--
Sulfate	mg/l	--	500 [9]	--	200	--	180	--	180	180	180	--
Temperature	deg c	--	15	--	9	--	5	9	8	7	4	--
Total Dissolved Solids	mg/l	--	500	--	380	--	620	--	570	570	330	--
Total Organic Carbon	mg/l	--	--	--	10	--	16	6	7.7	2.9	4	3.1
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	*0.12*	--	<0.05	0.08	<0.05	<0.05	<0.05	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	--
Barium, Dissolved	mg/l	1	--	--	0.12	--	0.11	0.1	0.08	0.09	0.09	--
Beryllium, Dissolved	mg/l	--	--	--	<0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	--
Boron, Dissolved	mg/l	5	--	--	0.24	--	0.1	<0.05	<0.05	<0.05	<0.05	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	130	--	130	140	120	120	120	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.02	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.09	--	<0.05	<0.05	<0.05	<0.05	<0.05	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	<0.02	<0.02	<0.02	<0.02	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	0.37	<0.05	0.05	<0.05	<0.05	--
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	18	--	23	17	16	16	18	--
Manganese, Dissolved	mg/l	--	0.05	--	0.02	--	0.2	<0.01	0.03	0.06	<0.01	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	0.03	0.03	0.06	0.05	<0.02	--
Nickel, Dissolved	mg/l	--	--	--	<0.03	--	<0.01	<0.01	<0.01	<0.01	<0.01	--
Potassium, Dissolved	mg/l	--	--	--	2.2	--	2.1	1.8	1.5	1.9	1.6	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	<0.01	<0.01	<0.01	<0.01	<0.01	--
Sodium, Dissolved	mg/l	--	200 [10]	--	36	--	60	36	61	58	46	--
Strontium, Dissolved	mg/l	--	--	--	0.54	--	1.9	0.53	0.49	0.51	0.5	--
Thallium, Dissolved	mg/l	--	--	--	<1	--	<0.1	<0.1	<0.1	<0.1	<0.1	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	<0.01	<0.01	0.02	0.03	0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	--	<0.02	<0.02	<0.02	<0.02	<0.02	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-2D 20-May-1993	91-2D 30-Aug-1993	91-2D 24-Nov-1993	91-2D 24-Nov-1993 91-2D-FD (Field Duplicate)	91-2D 11-May-1994	91-2D 16-Sep-1994	91-2D 24-Apr-1995	91-2D 24-Apr-1995 91-2D-FD (Field Duplicate)
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	570	670	620	610	490	620	440	450
Ammonia Nitrogen	mg/l	--	--	--	0.72	1.4	1.6	1.6	0.5	<0.1	0.32	0.31
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	4	4	4	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.41	0.58	0.48	0.49	0.53	0.3	0.21	0.24
Chemical Oxygen Demand	mg/l	--	--	--	94	58	33	39	51	<5	26	36
Chloride	mg/l	--	250	--	150	140	180	170	73	79	71	80
Conductivity	uS/cm	--	--	--	1300	1100	1600	1600	900	1025	1225	1225
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	0.003	<0.002	<0.002	<0.002
Fluoride	mg/l	1.5	--	--	0.22	0.44	0.33	0.33	0.49	0.34	0.18	0.18
Hardness, Calcium Carbonate	mg/l	--	--	100	*630*	*840*	*840*	*840*	*480*	*490*	*590*	*520*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.105	<0.2	<0.2	<0.2	<0.2	<1.1	<0.2	<0.2
Nitrogen, Organic	mg/l	--	--	0.15	*0.48*	*0.3*	<0.1	<0.1	*0.41*	<0.27	*0.23*	*0.24*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.2	1.7	1.7	1.6	0.91	0.27	0.55	0.55
pH	-	--	--	8.5	7	6.9	7.2	7.2	7	7.2	7	7
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	--
Phosphorus	mg/l	--	--	--	<0.1	0.31	<0.1	<0.1	<0.1	<0.1	--	--
Sulfate	mg/l	--	500 [9]	--	54	37	42	41	32	27	25	28
Temperature	deg c	--	15	--	8.5	12	8	8	10	11.5	9	9
Total Dissolved Solids	mg/l	--	500	--	830	880	900	860	600	620	640	650
Total Organic Carbon	mg/l	--	--	--	8.1	15	13	12	11	6.5	5.2	5.5
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.07	<0.05	0.05	<0.05	<0.05	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	0.0007	<0.002	<0.002	<0.002	0.003	<0.002	<0.002	<0.002
Barium, Dissolved	mg/l	1	--	--	0.28	0.3	0.29	0.28	0.2	0.2	0.23	0.2
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.25	0.42	0.4	0.39	0.21	0.13	0.2	0.16
Cadmium, Dissolved	mg/l	0.005	--	--	0.0007	<0.005	0.00044	0.00065	<0.0002	0.0003	<0.005	<0.005
Calcium, Dissolved	mg/l	--	--	--	152	200	210	210	116	120	150	130
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	3.6	3.5	4.3	4.07	2.9	3.2	3.5	3.2
Lead, Dissolved	mg/l	0.01	--	--	**0.021**	**0.017**	0.007	**0.012**	0.001	**0.015**	**0.017**	**0.017**
Magnesium, Dissolved	mg/l	--	--	--	62	82	75	74	46	46	52	46
Manganese, Dissolved	mg/l	--	0.05	--	0.93	0.82	0.97	0.97	0.7	0.71	0.84	0.76
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	6	6.3	6.1	6	3.9	4.7	6.2	4.7
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	12	12
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	54	71	67	65	40	57	61	55
Strontium, Dissolved	mg/l	--	--	--	7.7	9.1	8.3	8.2	5.32	5.7	6.2	5.5
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-2D 18-Sep-1995	91-2D 08-May-1996	91-2D 26-Sep-1996	91-2D 28-Nov-1996	91-2D 05-May-1997	91-2D 30-Sep-1997	91-2D 11-May-1998	91-2D 12-May-1998	91-2D 21-Sep-1998
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	480	490	500	--	520	500	480	--	500
Ammonia Nitrogen	mg/l	--	--	--	0.41	0.61	0.41	--	0.46	0.55	0.73	--	0.52
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<2	<2	--	--	--	--	--	--
Bromide	mg/l	--	--	--	<0.1	<0.1	0.38	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	<10	9	--	28	8	7	--	<5
Chloride	mg/l	--	250	--	66	82	88	--	110	110	110	--	120
Conductivity	uS/cm	--	--	--	1150	1000	840	--	1000	1100	1100	--	1200
Cyanide	mg/l	0.2	--	--	<0.002	<0.005	<0.005	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.28	0.51	0.43	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*540*	*630*	*460*	--	*530*	*530*	*560*	--	*560*
Nitrate	mg/l	-- [7]	--	--	<1	<0.05	<0.05	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<1.1	<0.15	<0.15	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.89*	0.08	*0.52*	--	*0.47*	*0.65*	*0.97*	--	*0.44*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.3	0.69	0.93	--	1.2	1.2	1.7	--	0.96
pH	-	--	--	8.5	7.2	6.6	7	--	7.3	6.8	7.34	--	7.4
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	<1	<0.2	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	29	38	48	--	--	--	--	--	--
Temperature	deg c	--	15	--	10	7	6	--	8.5	10	9.5	--	4
Total Dissolved Solids	mg/l	--	500	--	670	740	670	--	770	840	740	--	740
Total Organic Carbon	mg/l	--	--	--	6.1	37	15	--	8.7	2.6	7.7	--	8.9
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	0.07	<0.1	<0.1	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	0.003	<0.005	<0.005	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.22	0.2	0.22	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.01	<0.01	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.37	0.45	0.48	--	0.32	0.31	0.33	--	0.37
Cadmium, Dissolved	mg/l	0.005	--	--	<0.005	<0.00008	<0.00008	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	130	142	120	--	130	130	130	--	130
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.02	<0.02	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.09	<0.09	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.02	<0.02	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	3.6	3.7	3.2	--	2.9	2.2	1.9	--	1.8
Lead, Dissolved	mg/l	0.01	--	--	**0.022**	<0.0006	<0.0006	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	51	51	46	--	49	50	56	--	57
Manganese, Dissolved	mg/l	--	0.05	--	0.83	1	0.84	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.04	<0.04	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.03	<0.03	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	5.5	5	4.8	--	4.7	4.5	5.5	--	5.2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.02	<0.02	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	62	49	53	--	46	44	51	--	51
Strontium, Dissolved	mg/l	--	--	--	6.1	6	5.6	--	6.6	6.9	7.6	--	8.3
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.002	<1	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.01	<0.01	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.01	<0.01	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.01	<0.01	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-2D 21-Sep-1998 91-2D-FD (Field Duplicate)	91-2D 04-May-1999	91-2D 29-Sep-1999	91-2D 30-May-2000	91-2D 14-May-2001	91-2D 14-May-2001 91-2D-FD (Field Duplicate)	91-2D 07-Sep-2001
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	--	480	492	507	490	488	--
Ammonia Nitrogen	mg/l	--	--	--	--	0.95	0.5	1.14	1.13	1.12	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	35	22	30	30	--
Chloride	mg/l	--	250	--	--	110	173	138	128	124	--
Conductivity	uS/cm	--	--	--	--	1350	920	1050	1000	--	--
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*580*	*542.06*	*561*	*514*	*520*	--
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.25*	*0.5*	*0.61*	*0.35*	*0.43*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	1.2	1	1.75	1.48	1.55	--
pH	-	--	--	8.5	--	7.3	7.11	7	6.9	--	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	--	6.8	13	9	9.5	--	--
Total Dissolved Solids	mg/l	--	500	--	--	720	787	720	772	780	--
Total Organic Carbon	mg/l	--	--	--	--	7.4	6.7	9.6	8.8	9.3	--
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	0.39	--	0.34	0.32	0.32	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--	130	124	129	115	116	--
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	--	1.7	1.21	2.33	1.83	1.85	--
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	--	63	56.6	58	55	56	--
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	--	5.7	7	6	6	6	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	56	51.1	59	59	55	--
Strontium, Dissolved	mg/l	--	--	--	--	8.4	7.73	6.64	4.56	4.56	--
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-2M 20-May-1993	91-2M 30-Aug-1993	91-2M 24-Nov-1993	91-2M 11-May-1994	91-2M 16-Sep-1994	91-2M 16-Sep-1994 91-2M-FD (Field Duplicate)	91-2M 24-Apr-1995	91-2M 13-Sep-1995	91-2M 08-May-1996
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	300	730	450	230	640	620	440	490	260
Ammonia Nitrogen	mg/l	--	--	--	<0.1	2	0.83	<0.1	<0.1	<0.1	<0.1	0.69	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	4	<3	<3	<3	<3	<3	3	2
Bromide	mg/l	--	--	--	<0.1	0.75	0.2	<0.1	<0.1	0.29	0.12	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	81	66	43	17	14	15	32	43	<10
Chloride	mg/l	--	250	--	20	160	63	8.5	66	66	57	110	6.8
Conductivity	uS/cm	--	--	--	625	1200	1050	500	1000	1000	1100	1300	790
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	<0.1	0.42	0.24	0.17	0.18	0.18	<0.1	<0.1	0.16
Hardness, Calcium Carbonate	mg/l	--	--	100	*340*	*890*	*660*	*300*	*610*	*610*	*510*	*660*	*330*
Nitrate	mg/l	-- [7]	--	--	2.9	<0.1	0.29	2.5	<0.1	<0.1	<0.1	<0.1	4.2
Nitrite	mg/l	-- [8]	--	--	0.026	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	2.926	<0.2	<0.39	<2.6	<1.1	<1.1	<0.2	<0.2	<4.3
Nitrogen, Organic	mg/l	--	--	0.15	<0.35	<0.1	<0.1	<0.12	<0.76	<0.57	<0.17	*0.71*	<0.08
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.35	1.8	0.68	0.12	0.76	0.57	0.17	1.4	0.08
pH	-	--	--	8.5	7.2	6.8	7.2	6.9	6.9	6.9	6.9	7	6.6
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	0.28	<0.1	<0.1	<0.1	<0.1	--	--	<1
Sulfate	mg/l	--	500 [9]	--	27	32	36	18	41	41	23	44	39
Temperature	deg c	--	15	--	7	11	7	10.5	10.5	10.5	9.5	10	6.5
Total Dissolved Solids	mg/l	--	500	--	410	970	600	320	750	660	540	790	380
Total Organic Carbon	mg/l	--	--	--	2.6	13	6.9	5.6	7.5	8	4.9	7.6	22
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	0.09	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Barium, Dissolved	mg/l	1	--	--	0.21	0.31	0.29	0.17	0.34	0.34	0.26	0.36	0.12
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	<0.05	0.41	0.32	<0.05	0.26	0.26	0.15	0.43	0.15
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.005	0.00173	0.0005	0.0004	0.0004	<0.005	<0.005	<0.00008
Calcium, Dissolved	mg/l	--	--	--	93	220	190	80	166	165	140	180	91
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	1.4	<0.05	<0.05	0.2	0.09	<0.05	0.17	<0.05
Lead, Dissolved	mg/l	0.01	--	--	**0.016**	**0.017**	0.002	<0.01	**0.014**	**0.015**	**0.013**	**0.018**	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	26	81	45	23	47	47	38	52	25
Manganese, Dissolved	mg/l	--	0.05	--	<0.05	1	2.05	<0.005	1.6	1.54	0.78	2.1	<0.1
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	7	6.2	2.7	5.9	4.4	5	2.9	5.2	5.6
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	10	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	13	71	30	6.96	49	49	37	48	7.7
Strontium, Dissolved	mg/l	--	--	--	1.1	8.4	2.8	0.62	3.03	3.02	2	3.5	0.99
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-2M 26-Sep-1996	91-2M 28-Nov-1996	91-2M 05-May-1997	91-2M 30-Sep-1997	91-2M 11-May-1998	91-2M 12-May-1998	91-2M 21-Sep-1998	91-2M 21-Sep-1998 91-2M-FD (Field Duplicate)	91-2M 04-May-1999
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	390	--	280	470	490	--	530	--	430
Ammonia Nitrogen	mg/l	--	--	--	0.32	--	<0.1	0.5	0.61	--	0.69	--	0.97
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<2	--	<2	<2	<2	--	3	--	<2
Bromide	mg/l	--	--	--	0.18	--	0.12	0.49	0.41	--	0.48	--	0.3
Chemical Oxygen Demand	mg/l	--	--	--	8	--	<5	14	25	--	26	--	<5
Chloride	mg/l	--	250	--	75	--	19	170	120	--	130	--	100
Conductivity	uS/cm	--	--	--	710	--	460	1200	1100	--	1150	--	1400
Cyanide	mg/l	0.2	--	--	<0.005	--	<0.005	<0.005	<0.005	--	<0.005	--	<0.005
Fluoride	mg/l	1.5	--	--	0.23	--	0.2	0.26	0.29	--	0.38	--	0.26
Hardness, Calcium Carbonate	mg/l	--	--	100	*410*	--	*310*	*610*	*580*	--	*580*	--	*520*
Nitrate	mg/l	-- [7]	--	--	2.7	--	2.5	0.34	0.12	--	<0.1	--	0.49
Nitrite	mg/l	-- [8]	--	--	<0.1	--	<0.1	<0.1	<0.1	--	<0.1	--	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<2.8	--	<2.6	<0.44	<0.22	--	<0.2	--	<0.59
Nitrogen, Organic	mg/l	--	--	0.15	*0.78*	--	<0.48	*0.6*	*0.59*	--	*0.71*	--	0.02
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.1	--	0.48	1.1	1.2	--	1.4	--	0.99
pH	-	--	--	8.5	8.2	--	7.4	6.6	7.03	--	7.3	--	7.15
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.2	--	<0.2	<0.2	<0.2	--	<0.2	--	<0.2
Sulfate	mg/l	--	500 [9]	--	42	--	24	62	42	--	41	--	37
Temperature	deg c	--	15	--	6.5	--	8	10	10	--	4	--	6
Total Dissolved Solids	mg/l	--	500	--	540	--	360	860	780	--	810	--	740
Total Organic Carbon	mg/l	--	--	--	14	--	0.7	1.7	5.2	--	8.6	--	6.8
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.1	--	<0.05	<0.05	<0.05	--	<0.05	--	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	<0.005	<0.005	<0.005	--	<0.005	--	<0.005
Barium, Dissolved	mg/l	1	--	--	0.25	--	0.17	0.29	0.29	--	0.28	--	0.28
Beryllium, Dissolved	mg/l	--	--	--	<0.01	--	<0.001	<0.001	<0.001	--	<0.001	--	<0.001
Boron, Dissolved	mg/l	5	--	--	0.38	--	0.08	0.32	0.29	--	0.32	--	0.28
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	<0.00008	<0.00008	<0.00008	--	<0.00008	--	<0.00008
Calcium, Dissolved	mg/l	--	--	--	120	--	86	170	150	--	150	--	130
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	<0.02	<0.02	<0.02	--	<0.02	--	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.09	--	<0.05	<0.05	<0.05	--	<0.05	--	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.02	--	<0.02	<0.02	<0.02	--	<0.02	--	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	<0.05	0.12	0.1	--	0.82	--	0.51
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	--	<0.0006	--	0.0018
Magnesium, Dissolved	mg/l	--	--	--	34	--	24	46	49	--	49	--	48
Manganese, Dissolved	mg/l	--	0.05	--	0.57	--	0.07	0.88	0.79	--	0.96	--	0.57
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	<0.02	<0.02	<0.02	--	<0.02	--	<0.02
Nickel, Dissolved	mg/l	--	--	--	<0.03	--	<0.01	<0.01	<0.01	--	<0.01	--	<0.01
Potassium, Dissolved	mg/l	--	--	--	4.7	--	5.7	5.6	4.5	--	5	--	7
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	<0.01	<0.01	<0.01	--	<0.01	--	<0.01
Sodium, Dissolved	mg/l	--	200 [10]	--	30	--	12	52	54	--	55	--	54
Strontium, Dissolved	mg/l	--	--	--	1.9	--	1.1	3.3	4.4	--	4.8	--	4.2
Thallium, Dissolved	mg/l	--	--	--	<1	--	<0.1	<0.1	<0.1	--	<0.1	--	<0.1
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.01	<0.01	--	<0.01	--	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.01	<0.01	--	<0.01	--	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	<0.01	<0.01	<0.01	--	<0.01	--	0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	--	<0.02	<0.02	<0.02	--	<0.02	--	<0.02

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-2M 29-Sep-1999	91-2M 29-Sep-1999 91-2M-FD (Field Duplicate)	91-2M 29-May-2000	91-2M 14-May-2001
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	462	--	291	365
Ammonia Nitrogen	mg/l	--	--	--	0.96	--	0.09	0.27
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<4	--	2	<1
Bromide	mg/l	--	--	--	2.3	--	<0.05	<0.05
Chemical Oxygen Demand	mg/l	--	--	--	31	--	10	11
Chloride	mg/l	--	250	--	417	--	17	74
Conductivity	uS/cm	--	--	--	980	--	450	800
Cyanide	mg/l	0.2	--	--	<0.02	--	<0.02	<0.005
Fluoride	mg/l	1.5	--	--	0.5	--	0.24	0.3
Hardness, Calcium Carbonate	mg/l	--	--	100	*569.71*	--	*327*	*390*
Nitrate	mg/l	-- [7]	--	--	0.2	--	4.32	1.55
Nitrite	mg/l	-- [8]	--	--	0.7	--	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.24*	--	*0.35*	*0.27*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.2	--	0.44	0.54
pH	-	--	--	8.5	6.94	--	7	7.3
Phosphate	mg/l	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	0.07	0.07	--	<0.01
Sulfate	mg/l	--	500 [9]	--	54.1	--	25	32
Temperature	deg c	--	15	--	13	--	11	9
Total Dissolved Solids	mg/l	--	500	--	904	--	376	560
Total Organic Carbon	mg/l	--	--	--	4.8	--	3.3	4.3
Metals								
Aluminum, Dissolved	mg/l	--	--	0.1	<0.025	--	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	--	<0.001	<0.001
Barium, Dissolved	mg/l	1	--	--	--	--	0.16	0.21
Beryllium, Dissolved	mg/l	--	--	--	<0.001	--	<0.002	<0.002
Boron, Dissolved	mg/l	5	--	--	--	--	0.07	0.18
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	--	<0.005	<0.0001
Calcium, Dissolved	mg/l	--	--	--	149	--	88	100
Chromium, Dissolved	mg/l	0.05	--	--	0.005	--	<0.01	0.004
Cobalt, Dissolved	mg/l	--	--	--	0.007	--	<0.01	<0.0002
Copper, Dissolved	mg/l	--	1	--	<0.003	--	0.008	0.001
Iron, Dissolved	mg/l	--	0.3	--	0.507	--	0.03	0.03
Lead, Dissolved	mg/l	0.01	--	--	<0.002	--	<0.001	<0.001
Magnesium, Dissolved	mg/l	--	--	--	48.1	--	26	34
Manganese, Dissolved	mg/l	--	0.05	--	1.65	--	0.02	0.2
Molybdenum, Dissolved	mg/l	--	--	--	<0.006	--	<0.01	<0.01
Nickel, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	5	--	6	6
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.007	--	<0.01	<0.0001
Sodium, Dissolved	mg/l	--	200 [10]	--	67.5	--	11	29
Strontium, Dissolved	mg/l	--	--	--	3.88	--	1.03	2.47
Thallium, Dissolved	mg/l	--	--	--	<0.05	--	<0.2	<0.001
Titanium, Dissolved	mg/l	--	--	--	<0.003	--	<0.01	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.003	--	<0.01	<0.001
Zinc, Dissolved	mg/l	--	5	--	0.169	--	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.003	--	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-2S 25-May-1993	91-2S 01-Sep-1993	91-2S 24-Nov-1993	91-2S 24-May-1994	91-2S 23-Sep-1994	91-2S 25-Apr-1995	91-2S 20-Sep-1995	91-2S 09-May-1996	91-2S 09-May-1996 91-2S-FD (Field Duplicate)
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	330	380	420	400	450	430	560	400	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	0.34	<0.1	<0.1	<0.1	<0.06	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<2	--
Bromide	mg/l	--	--	--	0.31	0.43	0.45	0.31	0.36	0.22	0.31	<0.1	--
Chemical Oxygen Demand	mg/l	--	--	--	11	13	31	17	12	31	27	<10	--
Chloride	mg/l	--	250	--	140	91	110	72	60	76	60	65	--
Conductivity	uS/cm	--	--	--	1100	1100	1450	1050	1050	1150	1000	850	--
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	--
Fluoride	mg/l	1.5	--	--	0.36	0.5	0.49	0.42	0.3	0.26	0.32	0.08	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*490*	*450*	*600*	*540*	*480*	*560*	*420*	*448*	--
Nitrate	mg/l	-- [7]	--	--	0.31	0.31	0.45	0.15	0.25	0.3	<0.1	<0.05	--
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.315	<0.41	<0.55	<1.15	<0.35	<0.4	<0.2	<0.15	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.27	<0.22	<0.42	*0.25*	<0.93	<0.1	<0.96	<0.47	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.27	0.22	0.42	0.59	0.93	<0.1	0.96	0.47	--
pH	-	--	--	8.5	7.3	7.3	7.7	7	7.5	7.5	7.3	7.3	--
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	0.34	<0.1	<0.1	0.69	<0.1	--	--	<1	<1
Sulfate	mg/l	--	500 [9]	--	150	170	110	40	66	54	67	71	--
Temperature	deg c	--	15	--	9	11	7	10	10.5	7	10	7.5	--
Total Dissolved Solids	mg/l	--	500	--	610	740	710	630	910	740	1000	670	--
Total Organic Carbon	mg/l	--	--	--	3.8	9.8	5.2	5.1	4.5	3.6	4.3	21	--
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	*0.3*	<0.1	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.005	--
Barium, Dissolved	mg/l	1	--	--	0.13	0.089	0.14	0.14	0.13	0.14	0.11	0.13	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.12	0.13	<0.05	<0.05	<0.05	0.14	0.14	--
Cadmium, Dissolved	mg/l	0.005	--	--	0.0004	<0.005	0.00042	0.0005	0.0006	<0.005	<0.005	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	112	100	150	122	110	130	95	110	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.21	<0.05	--
Lead, Dissolved	mg/l	0.01	--	--	**0.012**	<0.01	<0.001	0.006	**0.021**	**0.015**	<0.001	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	51	49	58	57	52	56	45	42	--
Manganese, Dissolved	mg/l	--	0.05	--	<0.005	0.33	0.025	0.02	<0.005	0.009	0.067	<0.01	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<2	<0.3	<0.3	<0.3	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	3.5	4.6	2.6	3.2	4.2	3	4.1	3.9	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	7.4	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	--
Sodium, Dissolved	mg/l	--	200 [10]	--	47	110	63	45	72	90	92	50	--
Strontium, Dissolved	mg/l	--	--	--	4.9	4	4.7	5.2	5.12	5.5	4.3	4.3	--
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-2S 26-Sep-1996	91-2S 30-Sep-1996	91-2S 28-Nov-1996	91-2S 07-May-1997	91-2S 30-Sep-1997	91-2S 11-May-1998	91-2S 21-Sep-1998	91-2S 04-May-1999	91-2S 29-Sep-1999
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	460	--	--	460	450	430	450	440	440
Ammonia Nitrogen	mg/l	--	--	--	<0.06	--	--	<0.1	<0.1	0.11	<0.1	0.29	<0.05
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<2	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.37	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	--	7	11	<5	30	<5	21
Chloride	mg/l	--	250	--	75	--	--	77	83	76	82	82	123
Conductivity	uS/cm	--	--	--	820	--	--	870	900	1100	980	1100	870
Cyanide	mg/l	0.2	--	--	<0.005	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.46	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*420*	--	--	*480*	*460*	*400*	*480*	*460*	*486.11*
Nitrate	mg/l	-- [7]	--	--	0.49	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.59	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.34	--	--	<0.37	<0.46	*0.32*	<0.48	*0.41*	<0.2
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.34	--	--	0.37	0.46	0.43	0.48	0.7	0.2
pH	-	--	--	8.5	8.2	--	--	7.5	6	7.71	7.6	7.5	7.32
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.2	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	110	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	6.5	--	--	7.5	9.5	9	6	6	14
Total Dissolved Solids	mg/l	--	500	--	680	--	--	650	680	660	670	680	781
Total Organic Carbon	mg/l	--	--	--	8	--	--	2.9	0.82	4.3	3	2.6	2.4
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	*0.11*	--	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.12	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.33	--	--	0.12	0.12	0.12	0.14	0.14	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	98	--	--	110	110	110	110	100	109
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.09	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	0.007
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	45	--	--	51	46	50	50	52	52.1
Manganese, Dissolved	mg/l	--	0.05	--	0.02	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.03	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	4.6	--	--	3.6	3.8	4	4.1	5.1	4
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	78	--	--	65	52	73	70	93	103
Strontium, Dissolved	mg/l	--	--	--	4.4	--	--	5.3	4.9	5.1	5.6	5.4	5.44
Thallium, Dissolved	mg/l	--	--	--	<1	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-2S 29-May-2000	91-2S 14-May-2001
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	425	434
Ammonia Nitrogen	mg/l	--	--	--	0.06	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	20	19
Chloride	mg/l	--	250	--	84	93
Conductivity	uS/cm	--	--	--	900	1000
Cyanide	mg/l	0.2	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*452*	*437*
Nitrate	mg/l	-- [7]	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.37*	*0.16*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.43	0.16
pH	-	--	--	8.5	7.2	7.1
Phosphate	mg/l	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--
Temperature	deg c	--	15	--	12	10
Total Dissolved Solids	mg/l	--	500	--	660	712
Total Organic Carbon	mg/l	--	--	--	3.8	4.4
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.11	0.13
Cadmium, Dissolved	mg/l	0.005	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	100	94
Chromium, Dissolved	mg/l	0.05	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.01	0.02
Lead, Dissolved	mg/l	0.01	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	49	49
Manganese, Dissolved	mg/l	--	0.05	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	5	4
Silicon, Dissolved	mg/l	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	78	81
Strontium, Dissolved	mg/l	--	--	--	3.63	4.56
Thallium, Dissolved	mg/l	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3D 18-May-1993	91-3D 01-Sep-1993	91-3D 25-Nov-1993	91-3D 12-Apr-1994	91-3D 23-Sep-1994	91-3D 23-Sep-1994 91-3D-FD (Field Duplicate)	91-3D 07-Dec-1994	91-3D 24-Apr-1995	91-3D 19-Sep-1995
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	360	480	450	350	370	360	350	440	400
Ammonia Nitrogen	mg/l	--	--	--	0.1	0.35	0.33	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	<0.1	0.27	0.19	0.11	0.16	0.17	0.14	0.11	0.16
Chemical Oxygen Demand	mg/l	--	--	--	21	18	20	14	12	12	6	13	<5
Chloride	mg/l	--	250	--	33	64	63	32	15	16	14	52	19
Conductivity	uS/cm	--	--	--	800	900	1000	850	750	750	750	1150	900
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Fluoride	mg/l	1.5	--	--	<0.1	0.26	0.23	0.3	0.15	0.16	0.17	0.12	0.16
Hardness, Calcium Carbonate	mg/l	--	--	100	*460*	*560*	*580*	*450*	*410*	*420*	*420*	*470*	*410*
Nitrate	mg/l	-- [7]	--	--	4.9	2	3.7	3.5	2.8	2.8	2.3	1.6	2.7
Nitrite	mg/l	-- [8]	--	--	0.06	0.24	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	4.96	2.24	<3.8	<3.6	<2.9	<2.9	<2.4	<1.7	<3.7
Nitrogen, Organic	mg/l	--	--	0.15	*0.63*	*0.8*	*2.67*	<0.36	<0.93	<0.54	<0.53	<0.1	<1.2
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.73	1.1	3	0.36	0.93	0.54	0.53	0.1	1.2
pH	-	--	--	8.5	6.8	7.2	7.2	6.8	7	7	6.9	7	7.2
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	--
Sulfate	mg/l	--	500 [9]	--	33	34	37	28	24	26	21	23	24
Temperature	deg c	--	15	--	9.5	11.5	7	10	10.5	10.5	7	9.5	10
Total Dissolved Solids	mg/l	--	500	--	500	660	620	460	420	460	440	480	490
Total Organic Carbon	mg/l	--	--	--	4	7.1	3.3	2.5	3.3	5.1	2.9	3.6	4
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002
Barium, Dissolved	mg/l	1	--	--	0.24	0.32	0.29	0.27	0.23	0.23	0.22	0.25	0.22
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.05	0.22	0.16	0.23	<0.05	<0.05	<0.05	<0.05	0.12
Cadmium, Dissolved	mg/l	0.005	--	--	0.0002	<0.005	<0.00015	0.0004	0.0004	0.0005	<0.0002	<0.005	<0.00065
Calcium, Dissolved	mg/l	--	--	--	120	140	160	110	110	110	110	130	110
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.17
Lead, Dissolved	mg/l	0.01	--	--	**0.016**	<0.01	0.008	0.005	0.01	0.01	**0.014**	0.01	**0.011**
Magnesium, Dissolved	mg/l	--	--	--	38	50	47	38	34	34	34	38	34
Manganese, Dissolved	mg/l	--	0.05	--	0.38	0.89	0.64	0.22	0.11	0.11	0.13	0.27	0.53
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	5.3	5.4	4.7	7	10	10	8.4	4.8	9.9
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	8.1	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	17	40	28	18	19	20	18	34	19
Strontium, Dissolved	mg/l	--	--	--	2.3	3.7	2.7	2.1	1.6	1.6	1.8	2.3	1.5
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3D 19-Sep-1995 91-3D-FD (Field Duplicate)	91-3D 22-Nov-1995	91-3D 22-Nov-1995 91-3D-FD (Field Duplicate)	91-3D 08-May-1996	91-3D 24-Sep-1996	91-3D 28-Nov-1996	91-3D 06-May-1997	91-3D 25-Sep-1997
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	380	590	460	415	490	410	410	370
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.06	0.1	<0.06	0.12	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<2	<2	2.3	<2	<2
Bromide	mg/l	--	--	--	0.16	0.15	0.15	<0.1	0.23	0.19	0.26	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	<5	20	31	39	<5	<5	20	<5
Chloride	mg/l	--	250	--	17	20	16	36	46	39	72	34
Conductivity	uS/cm	--	--	--	900	775	775	810	700	360	790	680
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	--	0.17	<0.1	<0.1	0.22	0.24	0.28	0.26	0.26
Hardness, Calcium Carbonate	mg/l	--	--	100	*410*	*410*	*415*	*440*	*430*	*400*	*570*	*410*
Nitrate	mg/l	-- [7]	--	--	2.9	4.8	4.5	2.4	3	2.6	1.4	2.1
Nitrite	mg/l	-- [8]	--	--	<1.5	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<3.9	<5.8	<5.5	<2.5	<3.1	<2.7	<1.5	<2.2
Nitrogen, Organic	mg/l	--	--	0.15	<0.93	<0.14	<0.18	<0.69	*0.77*	<0.59	*0.64*	<0.55
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.93	0.14	0.18	0.69	0.87	0.59	0.76	0.55
pH	-	--	--	8.5	7.2	7.1	7.1	7.2	5	7.1	7.5	7.2
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	<0.2	<0.2	<0.02	<0.2	<0.2
Sulfate	mg/l	--	500 [9]	--	24	24	23	37	50	42	38	36
Temperature	deg c	--	15	--	10	8	8	7.5	5	5.5	7	10
Total Dissolved Solids	mg/l	--	500	--	460	440	460	540	600	550	610	440
Total Organic Carbon	mg/l	--	--	--	3	6.8	6.4	25	8	11	9.2	2.6
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	0.06	<0.05	<0.05	<0.1	<0.1	0.06	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium, Dissolved	mg/l	1	--	--	0.22	0.22	0.22	0.24	0.25	0.2	0.26	0.23
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.01	<0.001	<0.001	<0.001
Boron, Dissolved	mg/l	5	--	--	0.11	0.11	0.12	0.15	0.24	0.14	0.19	0.08
Cadmium, Dissolved	mg/l	0.005	--	--	0.0007	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Calcium, Dissolved	mg/l	--	--	--	110	110	110	117	130	110	140	110
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.09	<0.09	<0.05	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02
Iron, Dissolved	mg/l	--	0.3	--	0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.24
Lead, Dissolved	mg/l	0.01	--	--	0.008	0.0085	0.008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	34	33	34	37	37	31	39	33
Manganese, Dissolved	mg/l	--	0.05	--	0.53	0.078	0.079	0.1	0.13	0.02	0.69	0.51
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.04	<0.04	<0.02	<0.02	<0.02
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.03	<0.03	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	9.6	7.5	7.2	7.3	8.6	8.4	5.5	10
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.02	<0.02	<0.01	<0.01	<0.01
Sodium, Dissolved	mg/l	--	200 [10]	--	19	20	21	28	30	14	33	20
Strontium, Dissolved	mg/l	--	--	--	1.5	1.6	1.6	2.2	2	1.6	3.4	1.7
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.002	<1	<0.1	<0.1	<0.1
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.01	<0.01	<0.02	<0.02	<0.02

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3D 12-May-1998	91-3D 16-Sep-1998	91-3D 29-Apr-1999	91-3D 03-May-1999	91-3D 28-Sep-1999	91-3D 25-May-2000	91-3D 25-May-2000 91-3D-FD (Field Duplicate)	91-3D 08-May-2001
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	460	430	--	410	514	344	351	323
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	--	0.72	<0.05	0.09	0.26	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<2	<2	--	<2	3	2	<1	<1
Bromide	mg/l	--	--	--	0.3	0.14	--	0.2	<0.35	<0.05	0.14	<0.05
Chemical Oxygen Demand	mg/l	--	--	--	<5	9	--	<5	10	5	12	8
Chloride	mg/l	--	250	--	110	40	--	78	38.7	41	46	26
Conductivity	uS/cm	--	--	--	900	620	--	920	790	520	--	430
Cyanide	mg/l	0.2	--	--	<0.005	0.008	--	<0.005	<0.02	<0.02	<0.02	<0.005
Fluoride	mg/l	1.5	--	--	0.33	0.24	--	0.27	0.4	0.33	0.33	0.3
Hardness, Calcium Carbonate	mg/l	--	--	100	*490*	*460*	--	*440*	*539.63*	*395*	*411*	*356*
Nitrate	mg/l	-- [7]	--	--	0.13	2.9	--	0.74	0.5	3.45	3.19	3.81
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	--	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.23	<3	--	<0.84	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.87	<0.72	--	0.13	<0.4	*0.27*	*0.19*	*0.33*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.87	0.72	--	0.85	0.4	0.36	0.45	0.33
pH	-	--	--	8.5	7.3	6.45	--	7.25	7	6.7	--	7.4
Phosphate	mg/l	--	--	--	--	--	--	--	--	<0.01	<0.01	--
Phosphorus	mg/l	--	--	--	<0.2	<0.2	--	<0.2	<0.06	--	--	<0.01
Sulfate	mg/l	--	500 [9]	--	48	52	--	37	47.2	30	31	27
Temperature	deg c	--	15	--	9.5	8	--	6.5	15	13	--	9.5
Total Dissolved Solids	mg/l	--	500	--	760	570	--	170	713	476	484	428
Total Organic Carbon	mg/l	--	--	--	5.2	2.4	--	3.7	2.3	3.5	5.2	3.8
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	--	<0.05	0.045	<0.05	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	<0.005	--	<0.005	<0.002	<0.001	<0.001	<0.001
Barium, Dissolved	mg/l	1	--	--	0.26	0.24	--	0.24	--	0.19	0.19	0.22
Beryllium, Dissolved	mg/l	--	--	--	<0.001	<0.001	--	<0.001	<0.001	<0.002	<0.002	<0.002
Boron, Dissolved	mg/l	5	--	--	0.14	0.12	--	0.15	--	0.11	0.11	0.12
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	<0.00008	--	<0.00008	<0.0002	<0.005	<0.005	<0.0001
Calcium, Dissolved	mg/l	--	--	--	130	120	--	110	135	102	105	93
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	<0.02	--	<0.02	<0.005	<0.01	<0.01	0.007
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	--	<0.05	<0.005	<0.01	<0.01	0.0003
Copper, Dissolved	mg/l	--	1	--	<0.022	<0.02	--	<0.02	<0.003	<0.01	<0.01	0.001
Iron, Dissolved	mg/l	--	0.3	--	0.1	0.07	--	<0.05	0.317	0.02	0.01	0.03
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	<0.0006	--	<0.0006	<0.002	<0.001	<0.001	<0.001
Magnesium, Dissolved	mg/l	--	--	--	40	38	--	40	49.3	34	36	30
Manganese, Dissolved	mg/l	--	0.05	--	1.1	0.49	--	0.81	0.212	0.15	0.22	0.15
Molybdenum, Dissolved	mg/l	--	--	--	<0.02	<0.02	--	<0.02	<0.006	<0.01	<0.01	<0.01
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	6.9	8.4	--	7.5	7	7	7	8
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.01	<0.01	--	<0.01	<0.007	<0.01	<0.01	<0.0001
Sodium, Dissolved	mg/l	--	200 [10]	--	32	26	--	36	41	21	--	13
Strontium, Dissolved	mg/l	--	--	--	3.1	2.1	--	3.2	2.61	2.31	2.42	2.59
Thallium, Dissolved	mg/l	--	--	--	<0.1	<0.1	--	<0.1	<0.05	<0.2	<0.2	<0.001
Titanium, Dissolved	mg/l	--	--	--	<0.01	<0.01	--	<0.01	<0.003	<0.01	<0.01	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.01	<0.01	--	<0.01	0.004	<0.01	<0.01	0.001
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	--	<0.01	0.177	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.02	<0.02	--	<0.02	0.018	<0.002	<0.002	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3D 08-May-2001
					91-3D-FD (Field Duplicate)
General Chemistry					
Alkalinity as CaCO3	mg/l	--	--	--	324
Ammonia Nitrogen	mg/l	--	--	--	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	1
Bromide	mg/l	--	--	--	<0.05
Chemical Oxygen Demand	mg/l	--	--	--	5
Chloride	mg/l	--	250	--	27
Conductivity	uS/cm	--	--	--	--
Cyanide	mg/l	0.2	--	--	<0.005
Fluoride	mg/l	1.5	--	--	0.28
Hardness, Calcium Carbonate	mg/l	--	--	100	*361*
Nitrate	mg/l	-- [7]	--	--	3.81
Nitrite	mg/l	-- [8]	--	--	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.32*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.32
pH	-	--	--	8.5	--
Phosphate	mg/l	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.01
Sulfate	mg/l	--	500 [9]	--	28
Temperature	deg c	--	15	--	--
Total Dissolved Solids	mg/l	--	500	--	408
Total Organic Carbon	mg/l	--	--	--	4.6
Metals					
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001
Barium, Dissolved	mg/l	1	--	--	0.21
Beryllium, Dissolved	mg/l	--	--	--	<0.002
Boron, Dissolved	mg/l	5	--	--	0.12
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0001
Calcium, Dissolved	mg/l	--	--	--	95
Chromium, Dissolved	mg/l	0.05	--	--	0.006
Cobalt, Dissolved	mg/l	--	--	--	0.0003
Copper, Dissolved	mg/l	--	1	--	0.001
Iron, Dissolved	mg/l	--	0.3	--	<0.01
Lead, Dissolved	mg/l	0.01	--	--	<0.001
Magnesium, Dissolved	mg/l	--	--	--	30
Manganese, Dissolved	mg/l	--	0.05	--	0.15
Molybdenum, Dissolved	mg/l	--	--	--	<0.01
Nickel, Dissolved	mg/l	--	--	--	<0.01
Potassium, Dissolved	mg/l	--	--	--	9
Silicon, Dissolved	mg/l	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.0001
Sodium, Dissolved	mg/l	--	200 [10]	--	14
Strontium, Dissolved	mg/l	--	--	--	2.56
Thallium, Dissolved	mg/l	--	--	--	<0.001
Titanium, Dissolved	mg/l	--	--	--	<0.01
Vanadium, Dissolved	mg/l	--	--	--	0.001
Zinc, Dissolved	mg/l	--	5	--	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3M 18-May-1993	91-3M 01-Sep-1993	91-3M 25-Nov-1993	91-3M 23-Sep-1994	91-3M 07-Dec-1994	91-3M 25-Apr-1995	91-3M 19-Sep-1995	91-3M 22-Nov-1995	91-3M 08-May-1996	91-3M 24-Sep-1996
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	510	630	560	570	480	520	530	650	530	580
Ammonia Nitrogen	mg/l	--	--	--	0.9	1.1	1.2	0.69	0.69	0.57	0.55	0.74	0.82	0.9
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	4	<3	<3	<3	<2	2.9
Bromide	mg/l	--	--	--	0.33	0.43	0.3	0.37	0.34	0.25	<0.1	0.41	0.1	0.44
Chemical Oxygen Demand	mg/l	--	--	--	77	29	51	26	23	34	19	42	<10	31
Chloride	mg/l	--	250	--	120	120	120	69	49	100	83	120	115	120
Conductivity	uS/cm	--	--	--	1100	1000	1100	1050	1150	1450	1250	1125	1150	1000
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	0.004	<0.002	<0.002	<0.002	<0.005	<0.005
Fluoride	mg/l	1.5	--	--	0.17	0.44	0.39	0.23	0.28	0.21	0.28	<0.1	0.51	0.41
Hardness, Calcium Carbonate	mg/l	--	--	100	*660*	*680*	*710*	*630*	*580*	*680*	*560*	*622*	*660*	*530*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	0.21
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.1	<0.2	<1.1	<0.2	<0.2	<0.2	<1.1	<1.1	<0.15	<0.31
Nitrogen, Organic	mg/l	--	--	0.15	*0.2*	*0.8*	*2.9*	*0.51*	*0.61*	*0.18*	*1.05*	*0.23*	*0.56*	*0.7*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.1	1.9	4.1	1.2	1.3	0.75	1.6	0.97	1.38	1.6
pH	-	--	--	8.5	7.3	7.2	7.2	7	7	7.1	7.2	7.1	6.9	7.1
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	<0.2	<0.2
Sulfate	mg/l	--	500 [9]	--	42	47	47	32	28	28	29	32	42	52
Temperature	deg c	--	15	--	9.5	11.5	8.5	11	7	9	11	8	7.5	4.5
Total Dissolved Solids	mg/l	--	500	--	810	820	770	750	660	680	730	770	830	830
Total Organic Carbon	mg/l	--	--	--	11	30	6.9	7.9	6.1	6.7	7	13	36	12
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.1	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	0.0021	0.002	0.004	0.003	<0.002	<0.002	0.002	<0.005	<0.005	<0.005
Barium, Dissolved	mg/l	1	--	--	0.35	0.37	0.31	0.34	0.3	0.31	0.29	0.31	0.34	0.3
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01
Boron, Dissolved	mg/l	5	--	--	0.21	0.34	0.28	0.12	0.19	0.19	0.28	0.35	0.37	0.41
Cadmium, Dissolved	mg/l	0.005	--	--	0.0007	<0.005	<0.00015	0.0004	<0.0002	<0.005	0.00075	<0.0002	<0.00008	<0.00008
Calcium, Dissolved	mg/l	--	--	--	170	170	180	160	150	180	140	160	167	160
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
Iron, Dissolved	mg/l	--	0.3	--	0.7	4.1	0.53	2.1	1.6	1.2	2.7	0.74	1.6	2
Lead, Dissolved	mg/l	0.01	--	--	**0.027**	<0.01	**0.013**	**0.021**	**0.028**	**0.016**	<0.016	**0.016**	<0.0006	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	58	62	60	57	51	57	51	54	61	52
Manganese, Dissolved	mg/l	--	0.05	--	0.71	1.1	0.85	1.08	0.91	0.86	0.82	0.87	1	0.9
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03
Potassium, Dissolved	mg/l	--	--	--	4.8	4.4	3.8	5.2	3.4	2	3.8	4.3	5.2	3.8
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	11	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	54	66	47	64	48	70	54	60	69	60
Strontium, Dissolved	mg/l	--	--	--	6	7.2	5.9	6.4	5.8	6.6	6	6	7.3	6
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	<1
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	0.09	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3M 28-Nov-1996	91-3M 06-May-1997	91-3M 25-Sep-1997	91-3M 12-May-1998	91-3M 16-Sep-1998	91-3M 29-Apr-1999	91-3M 04-May-1999	91-3M 27-Sep-1999	91-3M 25-May-2000
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	540	500	490	470	500	--	490	495	492
Ammonia Nitrogen	mg/l	--	--	--	0.62	0.58	0.9	<0.1	0.92	--	1.4	1.32	1.46
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	3.8	<2	<2	<2	<2	--	<2	2	3
Bromide	mg/l	--	--	--	0.4	0.42	<0.1	0.34	0.36	--	0.35	1.07	0.31
Chemical Oxygen Demand	mg/l	--	--	--	11	22	10	18	<5	--	<5	17	18
Chloride	mg/l	--	250	--	130	74	120	120	130	--	130	149	140
Conductivity	uS/cm	--	--	--	825	1000	1200	1100	890	--	1250	1000	900
Cyanide	mg/l	0.2	--	--	<0.005	<0.005	<0.005	<0.005	0.006	--	<0.005	<0.02	<0.02
Fluoride	mg/l	1.5	--	--	0.45	0.39	0.39	0.38	0.48	--	0.4	0.7	0.54
Hardness, Calcium Carbonate	mg/l	--	--	100	*580*	*600*	*550*	*620*	*550*	--	*570*	*586.48*	*577*
Nitrate	mg/l	-- [7]	--	--	<0.05	0.22	<0.05	<0.1	<0.1	--	<0.1	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	2.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.15	<0.32	<0.15	<0.2	<0.2	--	<0.2	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*1.08*	*0.82*	*0.6*	<1.8	*0.68*	--	*0.4*	*0.18*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.7	1.4	1.5	1.8	1.6	--	1.8	1.5	0.71
pH	-	--	--	8.5	7	7.4	6.9	7.28	6.77	--	7.25	7	6.8
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	<0.01
Phosphorus	mg/l	--	--	--	<0.02	<0.2	<0.2	<0.2	<0.2	--	<0.2	0.11	--
Sulfate	mg/l	--	500 [9]	--	47	48	45	49	50	--	44	43.3	45
Temperature	deg c	--	15	--	6.5	6	10	9.5	8	--	6.5	7	11
Total Dissolved Solids	mg/l	--	500	--	810	780	750	760	790	--	460	8700	784
Total Organic Carbon	mg/l	--	--	--	19	12	4.3	8	6.1	--	8.3	5.8	8.3
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	0.08	<0.05	<0.05	<0.05	<0.05	--	<0.05	<0.025	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.002	0.003
Barium, Dissolved	mg/l	1	--	--	0.28	0.29	0.29	0.3	0.28	--	0.3	--	0.28
Beryllium, Dissolved	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.002
Boron, Dissolved	mg/l	5	--	--	0.4	0.29	0.27	0.28	0.28	--	0.28	--	0.27
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	--	<0.00008	<0.0002	<0.005
Calcium, Dissolved	mg/l	--	--	--	150	160	140	160	140	--	140	148	147
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.005	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	--	<0.05	<0.005	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.003	<0.01
Iron, Dissolved	mg/l	--	0.3	--	1.6	2.7	2.7	2.6	2.3	--	2.3	4.2	1.96
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	<0.0006	<0.0006	<0.0006	0.002	--	0.0012	<0.002	<0.001
Magnesium, Dissolved	mg/l	--	--	--	50	48	48	53	48	--	53	52.8	51
Manganese, Dissolved	mg/l	--	0.05	--	0.89	1	0.91	1.1	0.91	--	0.95	1	0.85
Molybdenum, Dissolved	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.006	<0.01
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	4.3	3.5	4.5	4.2	4.3	--	5.6	3	4
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.007	<0.01
Sodium, Dissolved	mg/l	--	200 [10]	--	55	52	60	60	59	--	70	73.5	68
Strontium, Dissolved	mg/l	--	--	--	6	6	5.8	6.1	5.9	--	6.2	6.43	5.53
Thallium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05	<0.2
Titanium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.003	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.003	0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	0.153	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.003	<0.002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3M 25-May-2000 91-3M-FD (Field Duplicate)	91-3M 08-May-2001
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	493	475
Ammonia Nitrogen	mg/l	--	--	--	1.38	1.42
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	2
Bromide	mg/l	--	--	--	0.34	<0.05
Chemical Oxygen Demand	mg/l	--	--	--	20	25
Chloride	mg/l	--	250	--	140	144
Conductivity	uS/cm	--	--	--	--	950
Cyanide	mg/l	0.2	--	--	<0.02	<0.005
Fluoride	mg/l	1.5	--	--	0.56	0.58
Hardness, Calcium Carbonate	mg/l	--	--	100	*584*	*572*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	0.02	*0.42*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.4	1.84
pH	-	--	--	8.5	--	7.2
Phosphate	mg/l	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	0.01
Sulfate	mg/l	--	500 [9]	--	45	44
Temperature	deg c	--	15	--	--	9
Total Dissolved Solids	mg/l	--	500	--	816	784
Total Organic Carbon	mg/l	--	--	--	7.9	11.1
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	0.004
Barium, Dissolved	mg/l	1	--	--	0.27	0.29
Beryllium, Dissolved	mg/l	--	--	--	<0.002	<0.002
Boron, Dissolved	mg/l	5	--	--	0.28	0.28
Cadmium, Dissolved	mg/l	0.005	--	--	<0.005	<0.0001
Calcium, Dissolved	mg/l	--	--	--	148	145
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	0.008
Cobalt, Dissolved	mg/l	--	--	--	<0.01	0.0033
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.001
Iron, Dissolved	mg/l	--	0.3	--	1.92	3.33
Lead, Dissolved	mg/l	0.01	--	--	<0.001	<0.001
Magnesium, Dissolved	mg/l	--	--	--	52	51
Manganese, Dissolved	mg/l	--	0.05	--	0.85	0.98
Molybdenum, Dissolved	mg/l	--	--	--	<0.01	<0.01
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	4	5
Silicon, Dissolved	mg/l	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.01	<0.0001
Sodium, Dissolved	mg/l	--	200 [10]	--	--	65
Strontium, Dissolved	mg/l	--	--	--	5.49	4.81
Thallium, Dissolved	mg/l	--	--	--	<0.01	<0.001
Titanium, Dissolved	mg/l	--	--	--	<0.2	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.01	0.002
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.002	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3S 18-May-1993	91-3S 01-Sep-1993	91-3S 01-Sep-1993 91-3S-FD (Field Duplicate)	91-3S 25-Nov-1993	91-3S 25-Nov-1993 91-3S-FD (Field Duplicate)	91-3S 12-Apr-1994	91-3S 23-Sep-1994	91-3S 07-Dec-1994
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	420	550	560	560	590	480	530	480
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	3
Bromide	mg/l	--	--	--	0.2	0.22	0.19	0.2	0.21	0.26	0.21	0.18
Chemical Oxygen Demand	mg/l	--	--	--	28	13	11	31	33	37	37	26
Chloride	mg/l	--	250	--	77	68	67	77	82	93	34	25
Conductivity	uS/cm	--	--	--	1000	950	950	1000	1000	1050	1050	950
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Fluoride	mg/l	1.5	--	--	<0.1	0.21	0.19	0.24	0.24	0.35	0.12	0.15
Hardness, Calcium Carbonate	mg/l	--	--	100	*560*	*571*	*580*	*610*	*600*	*580*	*580*	*540*
Nitrate	mg/l	-- [7]	--	--	1.1	<0.1	<0.1	1.8	1.6	1.4	<0.1	1.4
Nitrite	mg/l	-- [8]	--	--	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<1.15	<0.2	<0.2	<1.9	<1.7	<1.5	<0.2	<1.5
Nitrogen, Organic	mg/l	--	--	0.15	<0.34	<0.43	<0.28	<3.2	<3.2	<0.49	<0.79	<0.11
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.34	0.43	0.28	3.2	3.2	0.59	0.79	0.11
pH	-	--	--	8.5	7	7.1	7.1	7.3	7.3	6.9	6.9	7
Phosphate	mg/l	--	--	--	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	0.27	<0.1	<0.1	0.64	0.7	0.28	0.38	0.53
Sulfate	mg/l	--	500 [9]	--	58	68	68	60	61	48	42	39
Temperature	deg c	--	15	--	8.5	12.5	12.5	8.5	8.5	8.5	13	7
Total Dissolved Solids	mg/l	--	500	--	790	700	680	670	650	650	1200	720
Total Organic Carbon	mg/l	--	--	--	4.3	7.1	5.3	3.5	3.8	3.8	4.3	4.7
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	0.06	*0.17*	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	0.0008	0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Barium, Dissolved	mg/l	1	--	--	0.15	0.17	0.17	0.14	0.14	0.18	0.18	0.17
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.05	0.16	0.16	0.12	0.13	0.05	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	0.0005	<0.005	<0.005	<0.00015	<0.00015	0.0004	0.0004	<0.0002
Calcium, Dissolved	mg/l	--	--	--	140	140	140	150	150	140	140	130
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.1	0.32	0.29	0.06	0.05	<0.05	0.56	0.1
Lead, Dissolved	mg/l	0.01	--	--	**0.017**	<0.01	<0.01	0.009	0.01	0.008	**0.02**	**0.022**
Magnesium, Dissolved	mg/l	--	--	--	51	54	55	54	53	56	53	50
Manganese, Dissolved	mg/l	--	0.05	--	0.11	0.18	0.17	0.13	0.15	0.11	0.18	0.14
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	7.7	9.1	9.1	8.2	8.2	9	9.3	10
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	44	59	56	30	35	37	51	34
Strontium, Dissolved	mg/l	--	--	--	3.5	3.2	3.2	2.7	2.7	3.8	2.9	2.7
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.00001	<0.00001	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3S 24-Apr-1995	91-3S 19-Sep-1995	91-3S 19-Sep-1995 91-3S-FD (Field Duplicate)	91-3S 22-Nov-1995	91-3S 08-May-1996	91-3S 24-Sep-1996	91-3S 28-Nov-1996	91-3S 06-May-1997	91-3S 25-Sep-1997
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	490	560	590	560	475	570	490	490	380
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.06	<0.06	<0.06	<0.1	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	3	<3	<2	<2	3.3	<2	<2
Bromide	mg/l	--	--	--	0.15	0.24	<0.1	0.24	<0.1	0.21	0.23	0.33	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	21	32	33	20	<10	14	11	18	<5
Chloride	mg/l	--	250	--	57	42	44	44	54	34	43	45	16
Conductivity	uS/cm	--	--	--	1150	1150	1150	1000	900	790	700	800	880
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	0.002	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	--	<0.1	<0.1	<0.1	<0.1	0.27	0.23	0.32	0.22	0.77
Hardness, Calcium Carbonate	mg/l	--	--	100	*590*	*560*	*560*	*555*	*570*	*450*	*510*	*550*	*570*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	1.7	1.2	1.6	2.1	1.4	1.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<1	<1	<1	<0.1	<0.1	<0.1	<0.1	7.7
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.2	<1.1	<1.1	<2.7	<1.3	<1.7	<2.2	<1.5	8.8
Nitrogen, Organic	mg/l	--	--	0.15	<0.1	<1	<0.86	<0.21	<0.72	<0.66	<0.63	<0.47	<0.56
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.1	1	0.86	0.21	0.72	0.66	0.63	0.47	0.56
pH	-	--	--	8.5	6.9	7.2	7.2	7.2	7	7.2	7.1	7.6	6.7
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	<0.2	<0.2	0.19	<0.2	<0.2
Sulfate	mg/l	--	500 [9]	--	33	37	40	37	45	72	57	57	71
Temperature	deg c	--	15	--	8.5	12	12	10	6	6.5	7	7	11
Total Dissolved Solids	mg/l	--	500	--	730	800	770	680	680	670	640	650	450
Total Organic Carbon	mg/l	--	--	--	3.5	3.5	3.5	10	37	8	15	5.2	<0.5
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	*0.16*	0.08	*0.13*	<0.1	<0.1	0.09	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005
Barium, Dissolved	mg/l	1	--	--	0.17	0.18	0.18	0.18	0.19	0.19	0.17	0.15	0.19
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.001	<0.001	<0.001
Boron, Dissolved	mg/l	5	--	--	<0.05	0.16	0.17	0.16	0.19	0.24	0.21	0.13	0.13
Cadmium, Dissolved	mg/l	0.005	--	--	<0.005	0.00065	0.0007	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Calcium, Dissolved	mg/l	--	--	--	150	140	140	140	144	140	130	140	150
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.09	<0.09	<0.05	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.16	0.12	0.16	0.05	0.42	<0.05	0.05	0.2
Lead, Dissolved	mg/l	0.01	--	--	**0.012**	**0.015**	<0.014	**0.014**	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	53	51	50	50	55	47	45	46	48
Manganese, Dissolved	mg/l	--	0.05	--	0.12	0.12	0.12	0.14	0.11	0.26	0.09	0.1	0.14
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	<0.02	<0.02	<0.02
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	7.5	7.4	7.7	7.8	9.1	7.7	8.9	7.5	8.5
Silicon, Dissolved	mg/l	--	--	--	8.6	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.02	<0.02	<0.01	<0.01	<0.01
Sodium, Dissolved	mg/l	--	200 [10]	--	45	41	40	38	43	40	31	41	40
Strontium, Dissolved	mg/l	--	--	--	3.2	2.7	2.7	3	3.4	2.9	2.6	2.7	2.5
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.002	<1	<0.1	<0.1	<0.1
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	<0.02	<0.02	<0.02

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-3S 12-May-1998	91-3S 16-Sep-1998	91-3S 03-May-1999	91-3S 27-Sep-1999	91-3S 27-Sep-1999 91-3S-FD (Field Duplicate)	91-3S 25-May-2000	91-3S 08-May-2001
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	460	510	470	370	--	465	442
Ammonia Nitrogen	mg/l	--	--	--	0.11	<0.1	0.4	0.2	--	0.07	0.03
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<2	<2	3	<2	--	1	<1
Bromide	mg/l	--	--	--	0.17	0.17	0.17	<0.35	--	0.09	<0.05
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	21	4	--	5	30
Chloride	mg/l	--	250	--	47	39	59	63.8	--	48	41
Conductivity	uS/cm	--	--	--	950	780	920	690	--	700	725
Cyanide	mg/l	0.2	--	--	<0.005	0.007	<0.005	<0.02	--	<0.02	0.005
Fluoride	mg/l	1.5	--	--	0.21	0.27	0.22	0.4	--	0.29	0.27
Hardness, Calcium Carbonate	mg/l	--	--	100	*550*	*510*	*510*	*423.83*	--	*536*	*523*
Nitrate	mg/l	-- [7]	--	--	0.93	0.89	0.91	0.9	--	2.96	4.16
Nitrite	mg/l	-- [8]	--	--	<0.1	0.12	<0.1	0.5	--	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<1.03	**101**	<1.01	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.4*	<0.37	*0.35*	*0.3*	--	*0.38*	*0.34*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.51	0.37	0.75	0.5	--	0.45	0.37
pH	-	--	--	8.5	7.34	6.75	7.35	7.2	--	6.6	7.3
Phosphate	mg/l	--	--	--	--	--	--	--	--	<0.01	--
Phosphorus	mg/l	--	--	--	<0.2	<0.2	<0.2	0.1	0.1	--	0.14
Sulfate	mg/l	--	500 [9]	--	58	67	53	30.3	--	59	69
Temperature	deg c	--	15	--	8.5	10	7	6	--	14	8.5
Total Dissolved Solids	mg/l	--	500	--	620	630	320	470	--	612	616
Total Organic Carbon	mg/l	--	--	--	2.6	2.4	3.5	2.5	--	3.5	13.8
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.025	--	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	<0.005	<0.005	0.014	--	<0.001	<0.001
Barium, Dissolved	mg/l	1	--	--	0.17	0.18	0.19	--	--	0.16	0.15
Beryllium, Dissolved	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.002	<0.002
Boron, Dissolved	mg/l	5	--	--	0.12	0.14	0.14	--	--	0.12	0.1
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	<0.00008	<0.00008	<0.0002	--	<0.005	<0.0001
Calcium, Dissolved	mg/l	--	--	--	140	130	120	110	--	132	135
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	<0.02	<0.02	<0.005	--	<0.01	0.007
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.005	--	<0.01	0.0012
Copper, Dissolved	mg/l	--	1	--	<0.02	<0.02	<0.02	<0.003	--	<0.01	0.001
Iron, Dissolved	mg/l	--	0.3	--	0.23	0.12	0.14	0.601	--	0.05	0.06
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	<0.0006	0.0013	<0.002	--	<0.001	<0.001
Magnesium, Dissolved	mg/l	--	--	--	49	46	50	36.3	--	50	45
Manganese, Dissolved	mg/l	--	0.05	--	0.14	0.14	0.19	0.907	--	0.1	0.06
Molybdenum, Dissolved	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.006	--	<0.01	<0.01
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	7.7	7.1	8.5	6	--	7	9
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.007	--	<0.01	<0.0001
Sodium, Dissolved	mg/l	--	200 [10]	--	37	33	42	24.8	--	40	26
Strontium, Dissolved	mg/l	--	--	--	2.8	2.9	3.2	2.27	--	2.74	2.08
Thallium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.05	--	<0.2	<0.001
Titanium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.003	--	<0.01	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.003	--	<0.01	0.002
Zinc, Dissolved	mg/l	--	5	--	0.01	<0.01	0.01	0.15	--	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.003	--	<0.002	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-5D 25-May-1993	91-5D 31-Aug-1993	91-5D 25-Nov-1993	91-5D 13-Apr-1994	91-5D 23-Sep-1994	91-5D 06-Dec-1994	91-5D 26-Apr-1995	91-5D 19-Sep-1995	91-5D 19-Sep-1995
													91-5D-FD (Field Duplicate)
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	260	300	300	360	310	390	340	410	350
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	0.12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.13	0.14	0.17	0.17	0.2	0.17	0.17	0.23	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	<5	5	<5	11	12	8	17	<5	24
Chloride	mg/l	--	250	--	15	12	19	29	12	9.6	19	13	33
Conductivity	uS/cm	--	--	--	600	700	400	800	650	650	850	750	750
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Fluoride	mg/l	1.5	--	--	0.2	0.23	0.25	0.35	0.13	0.15	0.1	0.16	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	76	*270*	75	*250*	*150*	*120*	*160*	*160*	*170*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	0.03	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.13	<0.2	<0.21	<0.2	<0.2	<0.2	<0.2	<1.1	<1.1
Nitrogen, Organic	mg/l	--	--	0.15	<0.25	<0.2	<0.1	<0.28	<0.54	<0.38	<1.2	<1.1	<0.6
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.25	0.2	<0.1	0.28	0.54	0.38	1.2	1.1	0.6
pH	-	--	--	8.5	7	7.1	8.3	6.9	7.6	7.4	7.4	7.6	7.6
Phosphate	mg/l	--	--	--	0.11	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--
Sulfate	mg/l	--	500 [9]	--	33	33	36	32	21	20	22	19	25
Temperature	deg c	--	15	--	8.5	12	7	9.5	11	7	9	10	10
Total Dissolved Solids	mg/l	--	500	--	390	540	440	480	560	450	420	540	500
Total Organic Carbon	mg/l	--	--	--	3.5	2.9	5.2	4.3	4.1	3.3	3.7	4.7	3.8
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.06	0.06	<0.05	<0.05	<0.05	<0.05	0.08	0.07
Arsenic, Dissolved	mg/l	0.025	--	--	0.0007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.002
Barium, Dissolved	mg/l	1	--	--	0.035	0.024	0.028	0.018	0.02	0.017	0.011	0.014	0.013
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.38	0.45	0.46	0.46	0.56	0.48	0.5	0.62	0.66
Cadmium, Dissolved	mg/l	0.005	--	--	0.0009	<0.005	0.00054	0.0003	0.0004	<0.0002	<0.005	<0.005	0.00035
Calcium, Dissolved	mg/l	--	--	--	22	20	22	67	41	35	46	43	46
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05
Lead, Dissolved	mg/l	0.01	--	--	**0.013**	<0.01	**0.017**	**0.021**	**0.021**	**0.022**	**0.017**	**0.019**	0.01
Magnesium, Dissolved	mg/l	--	--	--	5.3	53	5.1	20	11	9.7	12	12	13
Manganese, Dissolved	mg/l	--	0.05	--	0.015	0.45	0.022	0.1	0.05	0.046	0.069	0.068	0.075
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	<2	2.1	<2	<2	<2	<2	<2	<2	<2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	11	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	94	59	100	91	100	100	120	100	100
Strontium, Dissolved	mg/l	--	--	--	0.57	0.55	0.5	1.9	1.2	1	1.1	1.2	1.3
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-5D 22-Nov-1995	91-5D 08-May-1996	91-5D 25-Sep-1996	91-5D 27-Nov-1996	91-5D 05-May-1997	91-5D 24-Sep-1997	91-5D 06-May-1998	91-5D 17-Sep-1998	91-5D 27-Apr-1999	91-5D 22-Sep-1999
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	570	410	420	420	350	390	370	390	390	408
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.06	<0.06	<0.1	<0.1	<0.1	<0.1	<0.1	0.11	0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<2	<2	<2	<2	2	<2	<2	<2	2
Bromide	mg/l	--	--	--	0.37	<0.1	0.17	0.28	0.22	<0.1	0.3	0.26	0.3	<0.35
Chemical Oxygen Demand	mg/l	--	--	--	<5	11	<5	9	27	<5	<5	16	12	14
Chloride	mg/l	--	250	--	24	22	28	19	17	19	19	17	21	23.7
Conductivity	uS/cm	--	--	--	900	840	560	550	560	690	760	560	580	590
Cyanide	mg/l	0.2	--	--	<0.002	<0.005	<0.005	<0.005	0.008	<0.005	<0.005	<0.005	<0.005	<0.02
Fluoride	mg/l	1.5	--	--	<0.1	0.17	0.6	0.23	0.15	0.26	0.13	0.15	0.19	0.3
Hardness, Calcium Carbonate	mg/l	--	--	100	*248*	*155*	*250*	*160*	90	*140*	*120*	*150*	90	*119.336*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.05	0.22	<0.05	<0.05	0.28	<0.1	<0.1	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<1.1	<0.15	<0.32	<0.15	<0.15	<0.38	<0.2	<0.2	<0.2	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.11	<0.24	<0.64	<0.47	<0.65	<0.43	<0.45	<0.27	*0.19*	*0.26*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.11	0.24	0.64	0.47	0.65	0.43	0.45	0.27	0.3	0.32
pH	-	--	--	8.5	7.4	7.2	7	7.4	7.7	7.5	7.82	7.38	7.66	6.8
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	<1	<0.2	0.03	<0.2	<0.2	<0.2	<0.2	<0.2	<0.06
Sulfate	mg/l	--	500 [9]	--	27	31	51	34	33	100	33	30	57	28.4
Temperature	deg c	--	15	--	9	7	6.5	6.5	7.5	10.5	12	9	5	5
Total Dissolved Solids	mg/l	--	500	--	580	560	380	360	480	620	510	460	470	420
Total Organic Carbon	mg/l	--	--	--	8.7	29	7	8	4.3	5.2	4.3	4.1	5.2	4.3
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	0.06	<0.1	*0.12*	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.025
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
Barium, Dissolved	mg/l	1	--	--	0.015	0.01	0.13	0.02	<0.01	0.02	0.01	0.01	<0.01	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Dissolved	mg/l	5	--	--	1	1	0.26	0.86	1	0.91	1.1	1	1.2	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002
Calcium, Dissolved	mg/l	--	--	--	68	43	84	43	26	39	35	39	25	31.4
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.005
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.09	<0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.005
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.003
Iron, Dissolved	mg/l	--	0.3	--	0.09	0.15	0.13	0.27	0.09	0.28	0.16	0.14	0.08	0.144
Lead, Dissolved	mg/l	0.01	--	--	**0.021**	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.002
Magnesium, Dissolved	mg/l	--	--	--	19	12	33	12	7.1	10	9.1	12	7.4	9.96
Manganese, Dissolved	mg/l	--	0.05	--	0.14	0.1	0.51	0.09	0.06	0.09	0.1	0.16	0.07	0.081
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.006
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.03	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	3.3	2.5	2.1	1.5	1	2.1	1.8	2	1.7	<1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007
Sodium, Dissolved	mg/l	--	200 [10]	--	130	162	10	120	130	150	140	140	160	140
Strontium, Dissolved	mg/l	--	--	--	1.9	1.2	3	1.2	0.73	1.1	0.97	1.1	0.73	0.909
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.002	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.003
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.003
Zinc, Dissolved	mg/l	--	5	--	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.033
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.003

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-5D 23-May-2000	91-5D 14-May-2001
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	388	439
Ammonia Nitrogen	mg/l	--	--	--	0.09	0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	1	2
Bromide	mg/l	--	--	--	0.21	0.38
Chemical Oxygen Demand	mg/l	--	--	--	15	16
Chloride	mg/l	--	250	--	24	29
Conductivity	uS/cm	--	--	--	515	800
Cyanide	mg/l	0.2	--	--	<0.02	<0.005
Fluoride	mg/l	1.5	--	--	0.23	0.15
Hardness, Calcium Carbonate	mg/l	--	--	100	33	*177*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.2*	*0.16*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.29	0.26
pH	-	--	--	8.5	7.5	7.3
Phosphate	mg/l	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	<0.01
Sulfate	mg/l	--	500 [9]	--	32	32
Temperature	deg c	--	15	--	9	9.5
Total Dissolved Solids	mg/l	--	500	--	508	552
Total Organic Carbon	mg/l	--	--	--	5.4	6.2
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.001	<0.001
Barium, Dissolved	mg/l	1	--	--	<0.01	0.01
Beryllium, Dissolved	mg/l	--	--	--	<0.002	<0.002
Boron, Dissolved	mg/l	5	--	--	1.2	1.03
Cadmium, Dissolved	mg/l	0.005	--	--	<0.005	<0.0001
Calcium, Dissolved	mg/l	--	--	--	--	46
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	0.004
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.0002
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.001
Iron, Dissolved	mg/l	--	0.3	--	0.13	0.46
Lead, Dissolved	mg/l	0.01	--	--	<0.002	<0.001
Magnesium, Dissolved	mg/l	--	--	--	8	15
Manganese, Dissolved	mg/l	--	0.05	--	0.08	0.15
Molybdenum, Dissolved	mg/l	--	--	--	<0.01	<0.01
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	2	2
Silicon, Dissolved	mg/l	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.01	0.0018
Sodium, Dissolved	mg/l	--	200 [10]	--	163	142
Strontium, Dissolved	mg/l	--	--	--	0.777	1.48
Thallium, Dissolved	mg/l	--	--	--	<0.2	<0.001
Titanium, Dissolved	mg/l	--	--	--	<0.01	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.01	<0.001
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.004	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-5S 25-May-1993	91-5S 01-Sep-1993	91-5S 25-Nov-1993	91-5S 13-Apr-1994	91-5S 20-Sep-1994	91-5S 07-Dec-1994	91-5S 26-Apr-1995	91-5S 19-Sep-1995	91-5S 23-Nov-1995	91-5S 09-May-1996
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	380	510	460	410	610	520	410	460	500	380
Ammonia Nitrogen	mg/l	--	--	--	1	0.57	1.1	0.85	0.41	0.62	<0.1	0.52	0.8	0.41
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	7	<3	<3	<3	4	5	<3	<3	<2
Bromide	mg/l	--	--	--	0.26	0.33	0.39	0.19	0.29	0.38	0.18	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	13	11	15	25	21	27	16	27	32	<10
Chloride	mg/l	--	250	--	62	43	43	41	27	24	30	26	25	6
Conductivity	uS/cm	--	--	--	900	900	700	975	925	950	1000	1000	825	830
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	0.12	<0.1	<0.1	0.27	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*460*	*460*	*580*	*470*	*470*	*470*	*340*	*490*	*510*	*408*
Nitrate	mg/l	-- [7]	--	--	0.8	0.51	0.62	0.95	0.14	0.18	0.26	<0.1	1.8	0.83
Nitrite	mg/l	-- [8]	--	--	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	0.9	<0.61	<0.72	<1.05	<0.24	<0.28	<0.36	<1.1	<2.8	<0.93
Nitrogen, Organic	mg/l	--	--	0.15	*0.3*	*0.8*	<0.1	0.15	*0.43*	0.02	<1.7	*0.58*	0.08	*0.56*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.3	1.4	0.96	1	0.84	0.64	1.7	1.1	0.88	0.97
pH	-	--	--	8.5	6.9	7	7	6.4	7	6.8	7	7.1	6.9	6.8
Phosphate	mg/l	--	--	--	0.11	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	0.15	<0.1	<0.1	<0.1	<0.1	0.13	--	--	--	<1
Sulfate	mg/l	--	500 [9]	--	54	49	48	40	35	34	24	29	33	48
Temperature	deg c	--	15	--	9	11	9	8	11	7	8	12	9	5
Total Dissolved Solids	mg/l	--	500	--	530	600	610	550	780	740	990	600	550	530
Total Organic Carbon	mg/l	--	--	--	5.6	7.2	6.4	13	5	5.1	4.1	5	8.3	48
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.16	<0.05	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005
Barium, Dissolved	mg/l	1	--	--	0.14	0.15	0.17	0.15	0.16	0.15	0.061	0.14	0.1	0.1
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	0.12	0.23	0.18	0.08	<0.05	0.12	0.2	0.23	0.2	0.19
Cadmium, Dissolved	mg/l	0.005	--	--	0.0006	<0.005	0.00042	0.0004	0.0002	<0.0002	<0.005	0.00065	<0.0002	<0.00008
Calcium, Dissolved	mg/l	--	--	--	130	130	170	130	130	130	95	140	130	122
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	0.2	0.12	0.25	0.05	0.4	1.1	0.15	0.31	<0.05	0.07
Lead, Dissolved	mg/l	0.01	--	--	**0.013**	<0.01	0.006	**0.015**	**0.014**	**0.023**	**0.013**	0.008	**0.012**	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	32	33	39	33	34	35	24	34	32	25
Manganese, Dissolved	mg/l	--	0.05	--	<0.005	1.8	2.8	2.2	2.2	2.3	1.2	2.4	2.5	1.7
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	4.5	3.9	3.3	4.3	3.5	3.7	2.1	3.4	5	3.3
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	7.2	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	50	47	31	37	43	49	67	39	31	23
Strontium, Dissolved	mg/l	--	--	--	0.94	0.89	0.93	0.83	0.1	0.91	0.78	0.9	0.7	0.75
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	0.015	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-5S 09-May-1996 91-5S-FD (Field Duplicate)	91-5S 25-Sep-1996	91-5S 27-Nov-1996	91-5S 05-May-1997	91-5S 24-Sep-1997	91-5S 06-May-1998	91-5S 17-Sep-1998	91-5S 27-Apr-1999	91-5S 22-Sep-1999
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	--	460	400	360	450	360	420	380	423
Ammonia Nitrogen	mg/l	--	--	--	--	0.56	0.27	0.11	0.41	0.55	0.6	0.51	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	2.4	2.8	<2	<2	<2	<2	<2	<2
Bromide	mg/l	--	--	--	--	0.32	0.25	0.22	<0.1	0.14	<0.1	0.22	<0.35
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	14	<5	<5	<5	29	<5	7
Chloride	mg/l	--	250	--	--	27	23	53	26	39	22	68	30.2
Conductivity	uS/cm	--	--	--	--	670	600	645	820	810	590	630	610
Cyanide	mg/l	0.2	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02
Fluoride	mg/l	1.5	--	--	--	0.14	0.18	0.07	0.46	<0.1	<0.1	<0.1	0.3
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*350*	*160*	*390*	*470*	*390*	*420*	*320*	*369.88*
Nitrate	mg/l	-- [7]	--	--	--	1	1.1	0.48	0.33	0.41	0.45	0.29	<0.1
Nitrite	mg/l	-- [8]	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	<1.1	<1.1	<0.58	<0.43	<0.51	<0.55	<0.39	--
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.44*	*0.49*	*0.53*	*0.53*	*0.36*	*0.5*	0.09	<0.9
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	1	0.76	0.64	0.94	0.91	1.1	0.6	0.9
pH	-	--	--	8.5	--	7.5	6.9	7.2	7.2	7.25	6.68	7.2	6.5
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<1	<0.2	0.12	<0.2	<0.2	<0.2	<0.2	<0.2	<0.06
Sulfate	mg/l	--	500 [9]	--	--	50	37	45	41	39	38	44	32.7
Temperature	deg c	--	15	--	--	6.5	7.5	6.5	10	9.5	10	5	5
Total Dissolved Solids	mg/l	--	500	--	--	530	420	590	560	480	470	490	553
Total Organic Carbon	mg/l	--	--	--	--	18	7	6	4.3	3.5	4	4.4	3.8
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.1	0.07	<0.05	*0.8*	0.08	0.09	<0.05	<0.025
Arsenic, Dissolved	mg/l	0.025	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
Barium, Dissolved	mg/l	1	--	--	--	0.14	0.02	0.1	0.13	0.11	0.13	0.09	--
Beryllium, Dissolved	mg/l	--	--	--	--	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Dissolved	mg/l	5	--	--	--	0.35	0.88	0.3	0.18	0.26	0.16	0.55	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002
Calcium, Dissolved	mg/l	--	--	--	--	130	44	110	140	110	120	88	104
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.005
Cobalt, Dissolved	mg/l	--	--	--	--	<0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.005
Copper, Dissolved	mg/l	--	1	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.003
Iron, Dissolved	mg/l	--	0.3	--	--	0.15	0.22	0.09	0.16	0.1	0.53	0.06	0.614
Lead, Dissolved	mg/l	0.01	--	--	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	0.002	<0.002
Magnesium, Dissolved	mg/l	--	--	--	--	30	12	27	30	26	29	24	26.8
Manganese, Dissolved	mg/l	--	0.05	--	--	2.6	0.1	1.4	2.6	1.9	2.5	1.7	1.95
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.008
Nickel, Dissolved	mg/l	--	--	--	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	--	3.8	1.8	2.8	3.4	2.8	2.8	3.2	2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007
Sodium, Dissolved	mg/l	--	200 [10]	--	--	28	120	35	25	29	25	79	30.8
Strontium, Dissolved	mg/l	--	--	--	--	0.77	1.2	0.84	0.81	0.72	0.73	0.7	0.669
Thallium, Dissolved	mg/l	--	--	--	--	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
Titanium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.003
Vanadium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.003
Zinc, Dissolved	mg/l	--	5	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.193
Zirconium, Dissolved	mg/l	--	--	--	--	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.003

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-5S 22-Sep-1999	91-5S 24-May-2000	91-5S 14-May-2001
					91-5S-FD (Field Duplicate)		
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	--	395	373
Ammonia Nitrogen	mg/l	--	--	--	--	0.85	0.8
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	<1	5
Bromide	mg/l	--	--	--	--	0.12	0.19
Chemical Oxygen Demand	mg/l	--	--	--	--	21	11
Chloride	mg/l	--	250	--	--	24	21
Conductivity	uS/cm	--	--	--	--	550	650
Cyanide	mg/l	0.2	--	--	--	<0.02	<0.005
Fluoride	mg/l	1.5	--	--	--	0.13	0.12
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*404*	*326*
Nitrate	mg/l	-- [7]	--	--	--	2.05	0.72
Nitrite	mg/l	-- [8]	--	--	--	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.44*	*0.45*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	1.29	1.25
pH	-	--	--	8.5	--	6.7	7.4
Phosphate	mg/l	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.06	--	0.03
Sulfate	mg/l	--	500 [9]	--	--	35	36
Temperature	deg c	--	15	--	--	10	9.5
Total Dissolved Solids	mg/l	--	500	--	--	504	480
Total Organic Carbon	mg/l	--	--	--	--	4.1	4.1
Metals							
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	--	<0.001	<0.001
Barium, Dissolved	mg/l	1	--	--	--	0.11	0.1
Beryllium, Dissolved	mg/l	--	--	--	--	<0.002	<0.002
Boron, Dissolved	mg/l	5	--	--	--	<0.01	0.21
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.005	<0.0001
Calcium, Dissolved	mg/l	--	--	--	--	114	91
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.01	0.005
Cobalt, Dissolved	mg/l	--	--	--	--	<0.01	<0.0002
Copper, Dissolved	mg/l	--	1	--	--	0.01	0.001
Iron, Dissolved	mg/l	--	0.3	--	--	0.06	0.09
Lead, Dissolved	mg/l	0.01	--	--	--	<0.001	<0.001
Magnesium, Dissolved	mg/l	--	--	--	--	29	24
Manganese, Dissolved	mg/l	--	0.05	--	--	<0.01	2.17
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.01	<0.01
Nickel, Dissolved	mg/l	--	--	--	--	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	--	3	3
Silicon, Dissolved	mg/l	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	<0.01	0.0019
Sodium, Dissolved	mg/l	--	200 [10]	--	--	27	25
Strontium, Dissolved	mg/l	--	--	--	--	0.273	0.517
Thallium, Dissolved	mg/l	--	--	--	--	<0.2	<0.001
Titanium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01
Vanadium, Dissolved	mg/l	--	--	--	--	<0.01	<0.001
Zinc, Dissolved	mg/l	--	5	--	--	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	--	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-6D 19-May-1993	91-6D 31-Aug-1993	91-6D 25-Nov-1993	91-6D 25-Nov-1993 91-6D-FD (Field Duplicate)	91-6D 12-Apr-1994	91-6D 27-Sep-1994	91-6D 24-Apr-1995	91-6D 19-Sep-1995	91-6D 08-May-1996
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	240	290	540	370	280	330	290	300	264
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3	<2
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	75	<5	19	<5	21	<5	7	7	<10
Chloride	mg/l	--	250	--	26	23	2.2	23	18	16	15	34	18
Conductivity	uS/cm	--	--	--	625	700	650	700	750	550	650	750	650
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	0.21	0.49	0.18	0.53	0.54	0.36	0.36	0.35	0.55
Hardness, Calcium Carbonate	mg/l	--	--	100	*360*	*360*	*410*	*390*	*340*	*370*	*320*	*380*	*350*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.105	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.1	<0.15
Nitrogen, Organic	mg/l	--	--	0.15	<0.14	<0.22	<0.05	<0.14	<0.27	<1	<0.1	<0.71	<0.11
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.14	0.22	0.15	0.14	0.27	1	<0.1	0.71	0.11
pH	-	--	--	8.5	7.3	7.4	7.5	7.7	7.4	7.6	7.8	7.6	7.2
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--
Phosphorus	mg/l	--	--	--	0.25	<0.1	1.1	0.66	<0.1	<0.1	--	--	<1
Sulfate	mg/l	--	500 [9]	--	43	43	54	43	39	31	25	29	52
Temperature	deg c	--	15	--	10	10.5	8	8	9	10	8.5	9	6
Total Dissolved Solids	mg/l	--	500	--	390	400	420	380	340	380	300	400	400
Total Organic Carbon	mg/l	--	--	--	1.3	0.83	0.71	1.4	1.5	1.2	1.1	2.7	19
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.07	0.05	0.08	<0.05	<0.05	<0.05	*0.22*	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Barium, Dissolved	mg/l	1	--	--	0.12	0.12	0.12	0.12	0.12	0.13	0.11	0.14	0.12
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	<0.05	0.08	<0.05	0.08	<0.05	<0.05	<0.05	0.09	0.1
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.005	0.00043	0.00047	0.0003	<0.0002	<0.005	<0.005	<0.00008
Calcium, Dissolved	mg/l	--	--	--	91	88	87	99	83	90	80	92	85
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	0.2	<0.05	0.34	0.28	0.24	<0.05	0.12	0.24	0.1
Lead, Dissolved	mg/l	0.01	--	--	**0.013**	<0.01	0.002	0.002	0.009	0.009	0.006	0.005	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	33	34	46	34	33	36	29	36	33
Manganese, Dissolved	mg/l	--	0.05	--	0.13	0.14	0.02	0.14	0.12	0.12	0.11	0.15	0.14
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	2.6	2	<2	<2	2	2	<2	2.3	2.1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	9.1	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	9.1	9.8	5	9	9	10	9	12	9.6
Strontium, Dissolved	mg/l	--	--	--	3	3.1	0.25	2.8	3	3.2	2.7	3.2	2.9
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-6D 25-Sep-1996	91-6D 07-May-1997	91-6D 25-Sep-1997	91-6D 11-May-1998	91-6D 16-Sep-1998	91-6D 29-Apr-1999	91-6D 16-Sep-1999	91-6D 27-Jan-2000	91-6D 24-May-2000	91-6D 15-Oct-2000
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	320	270	300	260	280	270	320	--	279	--
Ammonia Nitrogen	mg/l	--	--	--	<0.06	<0.1	<0.1	0.14	--	0.26	<0.01	--	0.05	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<2	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.11	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	10	<5	<5	<5	<5	<4	--	<4	--
Chloride	mg/l	--	250	--	3.7	11	54	14	23	18	540	--	20	--
Conductivity	uS/cm	--	--	--	460	440	650	560	410	580	650	--	500	--
Cyanide	mg/l	0.2	--	--	<0.005	--	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.25	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*280*	*340*	*400*	*320*	*340*	*320*	*430.07*	--	*338*	--
Nitrate	mg/l	-- [7]	--	--	0.22	--	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.32	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.47	<0.04	<0.24	0.13	*0.47*	0.06	--	--	0.12	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.47	0.04	0.24	0.27	0.13	0.32	--	--	0.17	--
pH	-	--	--	8.5	8	7.6	7.5	7.9	7	7.7	7.3	--	6.6	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.2	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	69	--	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	4.5	4	9.5	7.5	7	5	4	--	15	--
Total Dissolved Solids	mg/l	--	500	--	390	360	--	380	410	150	460	--	392	--
Total Organic Carbon	mg/l	--	--	--	7	<0.5	<0.5	1.8	0.6	1.2	1.6	--	1.4	--
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	<0.1	--	--	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.12	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.17	0.05	<0.05	<0.05	<0.05	0.05	--	--	0.06	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	80	88	100	79	82	75	102	--	81	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.09	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.26	0.14	0.26	0.1	0.21	0.2	0.182	--	0.24	--
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	44	29	39	31	33	33	42.7	--	33	--
Manganese, Dissolved	mg/l	--	0.05	--	0.02	--	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.03	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	1.7	1.8	2.8	1.8	2	2.7	2	--	2	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	6.5	6.7	12	8.3	8.5	9.4	17.7	--	9	--
Strontium, Dissolved	mg/l	--	--	--	0.35	2.7	3.5	2.8	3	2.9	3.42	--	2.94	--
Thallium, Dissolved	mg/l	--	--	--	<1	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-6D 08-May-2001
General Chemistry					
Alkalinity as CaCO3	mg/l	--	--	--	253
Ammonia Nitrogen	mg/l	--	--	--	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--
Bromide	mg/l	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	5
Chloride	mg/l	--	250	--	13
Conductivity	uS/cm	--	--	--	380
Cyanide	mg/l	0.2	--	--	--
Fluoride	mg/l	1.5	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*275*
Nitrate	mg/l	-- [7]	--	--	--
Nitrite	mg/l	-- [8]	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	0.09
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.09
pH	-	--	--	8.5	7.1
Phosphate	mg/l	--	--	--	--
Phosphorus	mg/l	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--
Temperature	deg c	--	15	--	8
Total Dissolved Solids	mg/l	--	500	--	352
Total Organic Carbon	mg/l	--	--	--	2.3
Metals					
Aluminum, Dissolved	mg/l	--	--	0.1	--
Arsenic, Dissolved	mg/l	0.025	--	--	--
Barium, Dissolved	mg/l	1	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.04
Cadmium, Dissolved	mg/l	0.005	--	--	--
Calcium, Dissolved	mg/l	--	--	--	67
Chromium, Dissolved	mg/l	0.05	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.15
Lead, Dissolved	mg/l	0.01	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	26
Manganese, Dissolved	mg/l	--	0.05	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	2
Silicon, Dissolved	mg/l	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	7
Strontium, Dissolved	mg/l	--	--	--	2.53
Thallium, Dissolved	mg/l	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--
Zirconium, Dissolved	mg/l	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-6S 20-May-1993	91-6S 31-Aug-1993	91-6S 25-Nov-1993	91-6S 25-Nov-1993 91-6S-FD (Field Duplicate)	91-6S 16-May-1994	91-6S 16-May-1994 91-6S-FD (Field Duplicate)	91-6S 23-Sep-1994	91-6S 26-Apr-1995
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	470	470	560	540	1000	610	360	420
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	82	20	10	19	5	20	<5	14
Chloride	mg/l	--	250	--	3.7	5	2.3	2.2	39	40	4.1	3.6
Conductivity	uS/cm	--	--	--	625	490	650	650	675	675	600	825
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	0.003	0.003	<0.002	<0.002
Fluoride	mg/l	1.5	--	--	0.15	0.14	0.16	0.18	0.13	0.13	0.1	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*400*	*380*	*430*	*410*	*410*	*410*	*360*	*420*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.13
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.105	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.23
Nitrogen, Organic	mg/l	--	--	0.15	<0.32	<0.16	<0.14	<0.15	<1.5	<1.5	<0.1	<2.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.32	0.16	0.14	0.15	1.5	1.5	<0.1	2.1
pH	-	--	--	8.5	7	7.2	7.5	7.5	6.8	6.8	7.4	7.4
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Phosphorus	mg/l	--	--	--	<0.1	1.5	1.4	1.1	<0.1	<0.1	0.12	--
Sulfate	mg/l	--	500 [9]	--	59	53	60	54	53	54	36	38
Temperature	deg c	--	15	--	7	12	8	8	7.5	7.5	11.5	7
Total Dissolved Solids	mg/l	--	500	--	430	400	390	420	450	420	440	350
Total Organic Carbon	mg/l	--	--	--	<0.35	5.6	0.71	0.71	1.4	2.7	1.3	0.8
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.06	<0.05	0.05	<0.05	<0.05	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	0.005	0.002	<0.002	0.002	<0.002	<0.002
Barium, Dissolved	mg/l	1	--	--	0.13	0.13	0.12	0.12	0.14	0.14	0.11	0.12
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.005	0.00046	0.00043	0.0004	0.0004	0.0005	<0.005
Calcium, Dissolved	mg/l	--	--	--	82	78	90	87	85	84	76	92
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	0.7	<0.05	0.29	0.34	0.33	0.37	<0.05	0.7
Lead, Dissolved	mg/l	0.01	--	--	**0.027**	<0.01	0.001	0.002	0.001	0.002	0.008	0.006
Magnesium, Dissolved	mg/l	--	--	--	47	46	48	46	48	48	42	47
Manganese, Dissolved	mg/l	--	0.05	--	0.05	0.018	0.02	0.02	0.03	<0.005	0.02	0.034
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	<2	2	<2	<2	<2	<2	2.2	<2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	17
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.085
Sodium, Dissolved	mg/l	--	200 [10]	--	7	6.9	6	5	6.9	6.8	7.2	7
Strontium, Dissolved	mg/l	--	--	--	0.29	0.2	0.25	0.25	0.25	0.25	0.3	0.24
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-6S 19-Sep-1995	91-6S 08-May-1996	91-6S 30-Sep-1996	91-6S 30-Sep-1996 91-6S-FD (Field Duplicate)	91-6S 07-May-1997	91-6S 25-Sep-1997	91-6S 07-May-1998	91-6S 16-Sep-1998	91-6S 03-May-1999
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	460	350	360	--	380	320	330	450	340
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.06	<0.06	--	<0.1	0.1	<0.1	<0.1	0.36
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<2	<2	--	<2	<2	<2	<2	<2
Bromide	mg/l	--	--	--	<0.1	<0.05	0.11	--	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	<5	<10	<5	--	<5	<5	<5	<5	<5
Chloride	mg/l	--	250	--	3.7	4.8	2.7	--	3.6	4.7	3.2	3.2	3
Conductivity	uS/cm	--	--	--	675	690	500	--	570	520	650	510	690
Cyanide	mg/l	0.2	--	--	<0.002	<0.005	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	--	0.15	0.14	0.17	--	0.1	0.2	<0.1	0.13	0.11
Hardness, Calcium Carbonate	mg/l	--	--	100	*360*	*420*	*410*	--	*180*	*380*	*400*	*390*	*390*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.05	0.21	--	0.23	<0.1	<0.1	<0.1	0.12
Nitrite	mg/l	-- [8]	--	--	<1	<0.1	<0.1	--	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<1.1	<0.15	<0.31	--	<0.33	<0.1	<0.1	<0.2	<0.22
Nitrogen, Organic	mg/l	--	--	0.15	<0.94	<0.04	<0.18	--	<0.05	<0.11	<0.12	<0.55	0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.94	<0.04	0.18	--	0.05	0.11	0.12	0.55	0.46
pH	-	--	--	8.5	7.8	7.4	7.6	--	7.5	6.9	*8.7*	6.98	7.7
Phosphate	mg/l	--	--	--	--	--	<0.3	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	<1	<0.02	0.63	<0.2	<0.2	<0.2	<0.2	<0.2
Sulfate	mg/l	--	500 [9]	--	38	53	80	--	59	59	56	69	59
Temperature	deg c	--	15	--	10	5	4.5	--	4	9	7.5	7.5	5
Total Dissolved Solids	mg/l	--	500	--	370	450	190	--	460	380	420	410	170
Total Organic Carbon	mg/l	--	--	--	1.3	17	12	--	5.6	<0.5	<0.5	<0.5	0.7
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	*0.28*	<0.1	0.019	--	0.07	<0.05	0.07	0.07	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.005	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005
Barium, Dissolved	mg/l	1	--	--	0.11	<0.01	0.11	--	0.11	0.12	0.12	0.11	0.12
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.01	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	0.019	--	<0.05	<0.05	<0.05	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	<0.005	<0.00008	<0.003	--	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Calcium, Dissolved	mg/l	--	--	--	76	88	74	--	110	81	87	83	77
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.02	<0.002	--	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt, Dissolved	mg/l	--	--	--	0.01	<0.09	<0.009	--	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.02	<0.002	--	<0.02	<0.02	<0.02	<0.02	<0.02
Iron, Dissolved	mg/l	--	0.3	--	0.21	1.6	0.06	--	1.7	1.1	2.2	0.76	0.98
Lead, Dissolved	mg/l	0.01	--	--	0.0055	<0.0006	<0.01	--	<0.0006	<0.0006	<0.0006	<0.0006	0.0011
Magnesium, Dissolved	mg/l	--	--	--	42	46	46	--	43	43	45	44	47
Manganese, Dissolved	mg/l	--	0.05	--	0.029	0.04	0.02	--	0.05	0.02	0.06	0.03	0.03
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.04	<0.004	--	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.03	<0.003	--	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	2.6	1.1	1.9	--	<1	2	1.6	1.5	2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.02	<0.002	--	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium, Dissolved	mg/l	--	200 [10]	--	6.6	6.7	5.4	--	5.1	5.5	5.8	6	5.9
Strontium, Dissolved	mg/l	--	--	--	0.34	0.28	0.29	--	0.25	0.38	0.29	0.32	0.37
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.002	<0.1	--	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium, Dissolved	mg/l	--	--	--	0.011	<0.01	<0.001	--	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.01	<0.001	--	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	0.003	--	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.01	<0.001	--	<0.02	<0.02	<0.02	<0.02	<0.02

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-6S 16-Sep-1999	91-6S 25-May-2000	91-6S 08-May-2001
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	304	358	353
Ammonia Nitrogen	mg/l	--	--	--	0.02	0.03	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<2	<1	--
Bromide	mg/l	--	--	--	<0.35	<0.05	--
Chemical Oxygen Demand	mg/l	--	--	--	6	<4	<5
Chloride	mg/l	--	250	--	58.5	5	5
Conductivity	uS/cm	--	--	--	550	500	455
Cyanide	mg/l	0.2	--	--	<0.02	<0.02	--
Fluoride	mg/l	1.5	--	--	<0.01	0.15	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*369.58*	*424*	*379*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	--
Nitrite	mg/l	-- [8]	--	--	<0.01	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.05	0.09
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.005	<0.05	0.09
pH	-	--	--	8.5	7.3	6.6	7.2
Phosphate	mg/l	--	--	--	--	<0.01	--
Phosphorus	mg/l	--	--	--	<0.06	--	--
Sulfate	mg/l	--	500 [9]	--	47.5	60	--
Temperature	deg c	--	15	--	3.5	11	6.5
Total Dissolved Solids	mg/l	--	500	--	403	420	424
Total Organic Carbon	mg/l	--	--	--	0.7	0.9	2
Metals							
Aluminum, Dissolved	mg/l	--	--	0.1	<0.025	<0.05	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.001	--
Barium, Dissolved	mg/l	1	--	--	--	0.11	--
Beryllium, Dissolved	mg/l	--	--	--	<0.001	<0.002	--
Boron, Dissolved	mg/l	5	--	--	--	<0.01	<0.01
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.005	--
Calcium, Dissolved	mg/l	--	--	--	76	89	81
Chromium, Dissolved	mg/l	0.05	--	--	<0.005	<0.01	--
Cobalt, Dissolved	mg/l	--	--	--	<0.005	<0.01	--
Copper, Dissolved	mg/l	--	1	--	<0.003	<0.01	--
Iron, Dissolved	mg/l	--	0.3	--	0.57	1.1	1.5
Lead, Dissolved	mg/l	0.01	--	--	0.002	<0.001	--
Magnesium, Dissolved	mg/l	--	--	--	43.8	49	43
Manganese, Dissolved	mg/l	--	0.05	--	0.024	0.05	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.006	<0.01	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	--
Potassium, Dissolved	mg/l	--	--	--	1	2	2
Silicon, Dissolved	mg/l	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.007	<0.01	--
Sodium, Dissolved	mg/l	--	200 [10]	--	13.5	--	5
Strontium, Dissolved	mg/l	--	--	--	0.396	0.309	0.275
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.2	--
Titanium, Dissolved	mg/l	--	--	--	<0.003	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	0.003	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	0.088	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.003	<0.002	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-7D 19-May-1993	91-7D 31-Aug-1993	91-7D 25-Nov-1993	91-7D 12-Apr-1994	91-7D 16-Sep-1994	91-7D 07-Dec-1994	91-7D 26-Apr-1995	91-7D 19-Sep-1995	91-7D 22-Nov-1995	91-7D 09-May-1996
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	290	310	390	330	330	340	320	320	430	332
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3	<3	<2
Bromide	mg/l	--	--	--	<0.1	0.14	0.18	0.2	<0.1	0.23	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	78	18	<5	17	<5	15	18	<5	40	<10
Chloride	mg/l	--	250	--	280	300	140	210	220	260	290	210	290	250
Conductivity	uS/cm	--	--	--	1400	1100	850	1275	1300	1650	1650	1600	1300	1250
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	0.21	<0.1	0.22	0.28	0.2	<0.1	<0.1	<0.1	<0.1	0.2
Hardness, Calcium Carbonate	mg/l	--	--	100	*590*	*600*	*530*	*590*	*560*	*620*	*530*	*570*	*568*	*540*
Nitrate	mg/l	-- [7]	--	--	0.7	0.61	2.4	0.25	<0.1	<0.1	0.36	<0.1	0.38	0.37
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<1	<1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.705	<0.61	<2.5	<0.35	<1.1	<0.2	<0.46	<1.1	<1.38	<0.46
Nitrogen, Organic	mg/l	--	--	0.15	<0.17	<0.1	<0.24	<0.35	<0.1	<0.24	<1.6	<0.94	<0.31	<0.54
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.17	<0.1	0.24	0.35	<0.1	0.24	1.6	0.94	0.31	0.54
pH	-	--	--	8.5	6.9	6.9	7.2	6.8	7	6.9	7	7.1	7.2	6.9
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.19	<0.1	--	--	--	<1
Sulfate	mg/l	--	500 [9]	--	40	67	45	38	43	55	35	42	38	43
Temperature	deg c	--	15	--	10.5	11	7	9.5	9	7	9	9	7	5.5
Total Dissolved Solids	mg/l	--	500	--	940	980	680	730	780	1000	730	980	830	840
Total Organic Carbon	mg/l	--	--	--	1.3	3.9	2.9	2.8	2.8	3	1.9	2.5	6.5	22
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.05	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005
Barium, Dissolved	mg/l	1	--	--	0.2	0.21	0.15	0.25	0.22	0.24	0.19	0.22	0.21	0.16
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	<0.05	0.14	0.13	0.05	0.08	0.13	<0.05	0.2	0.19	0.21
Cadmium, Dissolved	mg/l	0.005	--	--	0.0008	<0.005	0.00045	0.0004	0.0004	0.0002	<0.005	<0.005	<0.005	<0.00008
Calcium, Dissolved	mg/l	--	--	--	160	160	140	150	146	160	140	150	150	151
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.11	<0.05	<0.05	<0.05	0.06	<0.05	0.17	<0.05	<0.05
Lead, Dissolved	mg/l	0.01	--	--	**0.026**	**0.018**	0.01	**0.012**	**0.02**	**0.044**	**0.02**	**0.018**	**0.023**	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	46	51	43	51	48	52	43	47	47	39
Manganese, Dissolved	mg/l	--	0.05	--	0.11	0.66	0.74	0.86	0.1	1.3	0.39	0.88	0.84	0.22
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	2.4	3.1	2.1	3	2.6	3.7	<2	3.3	3.6	2.9
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	7.6	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	67	85	45	67	106	120	96	96	96	78
Strontium, Dissolved	mg/l	--	--	--	2.1	2.3	1.9	2.7	2.9	2.6	2.4	2.6	2.6	1.8
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-7D 09-May-1996 91-7D-FD (Field Duplicate)	91-7D 24-Sep-1996	91-7D 27-Nov-1996	91-7D 05-May-1997	91-7D 25-Sep-1997	91-7D 06-May-1998	91-7D 17-Sep-1998	91-7D 29-Apr-1999	91-7D 16-Sep-1999
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	--	440	420	340	310	320	390	360	340
Ammonia Nitrogen	mg/l	--	--	--	--	<0.06	<0.1	<0.1	<0.1	<0.1	0.14	0.41	<0.01
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	<2	2.2	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	0.26	0.24	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	6	<5	22	<5	<5	23	<5	<4
Chloride	mg/l	--	250	--	--	100	120	220	250	210	130	190	200
Conductivity	uS/cm	--	--	--	--	1000	800	1150	1400	1200	840	1600	1050
Cyanide	mg/l	0.2	--	--	--	<0.005	<0.005	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	0.25	0.28	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*400*	*200*	*490*	*500*	*470*	*460*	*480*	*509.95*
Nitrate	mg/l	-- [7]	--	--	--	0.75	0.47	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	<0.1	<0.1	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	<0.85	<0.57	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.48	<0.42	<0.38	<0.31	<0.39	0.03	0.08	<0.05
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.48	0.42	0.38	0.31	0.39	0.17	0.49	<0.05
pH	-	--	--	8.5	--	7.4	7	7.5	7.1	7.1	6.73	7.2	7
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<1	<0.2	<0.02	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	48	44	--	--	--	--	--	--
Temperature	deg c	--	15	--	--	4.5	6	7	9.5	9.5	7	6	4.5
Total Dissolved Solids	mg/l	--	500	--	--	690	1100	800	850	790	650	620	800
Total Organic Carbon	mg/l	--	--	--	--	10	12	4.3	9.5	1.8	1.9	2.5	2.2
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.1	*0.31*	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	<0.005	<0.005	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	0.18	0.11	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	<0.01	<0.001	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	0.24	0.06	0.1	0.2	0.07	0.13	0.12	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.00008	<0.00008	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--	130	62	130	130	130	120	120	131
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.02	<0.02	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	<0.09	<0.05	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	<0.02	<0.02	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	--	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	<0.05	0.042
Lead, Dissolved	mg/l	0.01	--	--	--	<0.0006	<0.0006	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	--	42	11	40	44	37	40	44	44.5
Manganese, Dissolved	mg/l	--	0.05	--	--	0.7	0.09	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.04	0.03	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	<0.03	<0.01	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	--	2.3	1.9	2.4	3.4	2.2	2.7	2.7	4
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	<0.02	<0.02	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	46	64	96	100	95	57	99	110
Strontium, Dissolved	mg/l	--	--	--	--	2.5	0.41	1.9	2.9	1.8	2.5	2.3	2.1
Thallium, Dissolved	mg/l	--	--	--	--	<1	<0.1	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	<0.01	<0.01	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	<0.01	<0.02	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-7D 25-May-2000	91-7D 08-May-2001
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	347	342
Ammonia Nitrogen	mg/l	--	--	--	0.05	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	10	11
Chloride	mg/l	--	250	--	228	248
Conductivity	uS/cm	--	--	--	1000	1000
Cyanide	mg/l	0.2	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*495*	*514*
Nitrate	mg/l	-- [7]	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.32*	*0.29*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.37	0.29
pH	-	--	--	8.5	6.6	7.4
Phosphate	mg/l	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--
Temperature	deg c	--	15	--	12	10
Total Dissolved Solids	mg/l	--	500	--	--	816
Total Organic Carbon	mg/l	--	--	--	3	2.3
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.1	0.09
Cadmium, Dissolved	mg/l	0.005	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	129	135
Chromium, Dissolved	mg/l	0.05	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.11	<0.01
Lead, Dissolved	mg/l	0.01	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	42	43
Manganese, Dissolved	mg/l	--	0.05	--	0.25	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	3	3
Silicon, Dissolved	mg/l	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	90
Strontium, Dissolved	mg/l	--	--	--	2.12	2.08
Thallium, Dissolved	mg/l	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-7S 19-May-1993	91-7S 31-Aug-1993	91-7S 25-Nov-1993	91-7S 12-Apr-1994	91-7S 16-Sep-1994	91-7S 07-Dec-1994	91-7S 26-Apr-1995	91-7S 19-Sep-1995	91-7S 22-Nov-1995	91-7S 09-May-1996
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	320	400	370	430	380	330	410	360	380	440
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.17	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3	<3	<2
Bromide	mg/l	--	--	--	<0.1	0.16	0.14	0.28	0.2	0.22	0.11	<0.1	0.23	0.1
Chemical Oxygen Demand	mg/l	--	--	--	88	36	52	13	26	26	11	8	54	13
Chloride	mg/l	--	250	--	110	230	320	140	180	180	150	21	240	110
Conductivity	uS/cm	--	--	--	950	1100	750	1100	1200	1450	1350	1500	1200	1100
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.003	<0.005
Fluoride	mg/l	1.5	--	--	0.25	<0.1	<0.1	0.33	0.21	0.14	0.11	<0.1	<0.1	0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*530*	*610*	*660*	*600*	*590*	*610*	*540*	*580*	*576*	*540*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	0.26	<0.1	<0.1	<0.1	<0.1	0.21	<0.05
Nitrite	mg/l	-- [8]	--	--	0.008	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<1	<1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.108	<0.2	<0.2	<0.36	<1.1	<0.2	<0.2	<1.1	<1.21	<0.15
Nitrogen, Organic	mg/l	--	--	0.15	<0.18	<0.17	<0.27	<0.25	<0.1	<0.27	<1.1	<0.75	*0.29*	<0.44
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.18	0.17	0.27	0.25	<0.1	0.27	1.1	0.75	0.46	0.44
pH	-	--	--	8.5	7.2	7	7.3	6.9	7.1	7.1	7.1	7.3	7.2	6.9
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	0.15	<0.1	<0.1	<0.1	0.42	<0.1	--	--	--	<1
Sulfate	mg/l	--	500 [9]	--	30	52	57	35	35	39	31	39	39	57
Temperature	deg c	--	15	--	10	12	7	9	10	7	8.5	9	8	6
Total Dissolved Solids	mg/l	--	500	--	630	850	950	670	640	820	570	900	790	690
Total Organic Carbon	mg/l	--	--	--	3.3	3.3	2.5	4.7	3.4	3.2	4.1	3.7	6	65
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	0.05	0.06	0.06	<0.05	<0.05	<0.05	<0.05	0.07	0.06	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	0.003	0.003	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005
Barium, Dissolved	mg/l	1	--	--	0.25	0.34	0.34	0.3	0.31	0.33	0.25	0.32	0.3	0.21
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	0.06	0.16	0.16	0.08	0.12	0.15	<0.05	0.21	0.21	0.29
Cadmium, Dissolved	mg/l	0.005	--	--	0.0003	<0.005	0.00045	0.0004	0.0003	0.0002	<0.005	<0.005	<0.005	<0.00008
Calcium, Dissolved	mg/l	--	--	--	142	160	180	150	152	160	150	150	150	148
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	0.72	0.95	1.1	0.36	0.65	0.65	0.54	0.65	0.43	0.29
Lead, Dissolved	mg/l	0.01	--	--	**0.019**	<0.01	**0.014**	**0.014**	**0.015**	**0.036**	**0.014**	**0.019**	**0.018**	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	42	53	54	54	50	52	42	50	49	41
Manganese, Dissolved	mg/l	--	0.05	--	0.41	0.45	0.48	0.67	0.66	0.72	0.54	0.72	0.72	0.73
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	1.8	3.3	<2	3	2.8	2.7	<2	3.3	3.9	3.6
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	8.9	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	25	59	62	41	70	87	45	81	81	38
Strontium, Dissolved	mg/l	--	--	--	3	3.6	3.5	4	4	4	3.1	3.7	3.5	3.6
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-7S 09-May-1996 91-7S-FD (Field Duplicate)	91-7S 24-Sep-1996	91-7S 27-Nov-1996	91-7S 05-May-1997	91-7S 25-Sep-1997	91-7S 07-May-1998	91-7S 11-May-1998	91-7S 17-Sep-1998	91-7S 29-Apr-1999
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	--	420	460	430	340	--	340	380	370
Ammonia Nitrogen	mg/l	--	--	--	--	<0.06	<0.1	<0.1	<0.1	--	<0.1	<0.1	0.3
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	<2	3.6	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	0.23	0.28	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	<5	27	<5	--	15	26	18
Chloride	mg/l	--	250	--	--	140	110	120	210	--	130	150	130
Conductivity	uS/cm	--	--	--	--	1000	800	860	1300	--	1000	850	1550
Cyanide	mg/l	0.2	--	--	--	<0.005	<0.005	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	0.26	0.3	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*480*	*500*	*530*	*540*	--	*500*	*500*	*480*
Nitrate	mg/l	-- [7]	--	--	--	<0.05	<0.05	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	<0.1	<0.1	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	<0.15	<0.15	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.46	<0.49	<0.47	<0.35	--	<0.59	<0.31	*0.42*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.46	0.49	0.47	0.35	--	0.59	0.31	0.72
pH	-	--	--	8.5	--	7.8	7	7.4	7.2	--	7.6	6.79	7.4
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<1	<0.2	<0.02	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	51	43	--	--	--	--	--	--
Temperature	deg c	--	15	--	--	5	5.5	7.5	8	--	8.5	7	6
Total Dissolved Solids	mg/l	--	500	--	--	710	1100	720	760	--	700	670	710
Total Organic Carbon	mg/l	--	--	--	--	10	19	5.2	2.6	--	15	2.1	3.2
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.1	0.08	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	<0.005	<0.005	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	0.26	0.18	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	<0.01	<0.001	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	0.26	0.25	0.2	0.18	--	0.12	0.14	0.16
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.00008	<0.00008	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--	140	130	140	140	--	130	130	120
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.02	<0.02	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	<0.09	<0.05	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	<0.02	<0.02	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	--	0.53	<0.05	0.16	0.44	--	0.62	0.81	0.4
Lead, Dissolved	mg/l	0.01	--	--	--	<0.0006	<0.0006	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	--	43	43	44	47	--	42	42	44
Manganese, Dissolved	mg/l	--	0.05	--	--	0.71	0.81	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.04	<0.04	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	<0.03	<0.01	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	--	2.7	3	3.1	2.8	--	2.7	3	3.2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	<0.02	<0.02	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	54	55	50	74	--	47	55	52
Strontium, Dissolved	mg/l	--	--	--	--	3.4	2.7	4	4	--	3.7	3.5	3.9
Thallium, Dissolved	mg/l	--	--	--	--	<1	<0.1	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	0.02	<0.01	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	<0.01	<0.02	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-7S 16-Sep-1999	91-7S 25-May-2000
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	360	405
Ammonia Nitrogen	mg/l	--	--	--	0.09	0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<4	10
Chloride	mg/l	--	250	--	5	127
Conductivity	uS/cm	--	--	--	1250	800
Cyanide	mg/l	0.2	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*540.53*	*484*
Nitrate	mg/l	-- [7]	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	0.04	0.03
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.13	0.09
pH	-	--	--	8.5	7.1	6.6
Phosphate	mg/l	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--
Temperature	deg c	--	15	--	2	11
Total Dissolved Solids	mg/l	--	500	--	860	--
Total Organic Carbon	mg/l	--	--	--	1.9	4.2
Metals						
Aluminum, Dissolved	mg/l	--	--	0.1	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	0.17
Cadmium, Dissolved	mg/l	0.005	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	137	123
Chromium, Dissolved	mg/l	0.05	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.0793	0.12
Lead, Dissolved	mg/l	0.01	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	48.3	43
Manganese, Dissolved	mg/l	--	0.05	--	--	0.76
Molybdenum, Dissolved	mg/l	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	4	4
Silicon, Dissolved	mg/l	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	92.5	--
Strontium, Dissolved	mg/l	--	--	--	3.87	3.12
Thallium, Dissolved	mg/l	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-8 19-May-1993	91-8 25-Nov-1993	91-8 16-May-1994	91-8 25-Apr-1995	91-8 08-May-1996	91-8 07-May-1997	91-8 12-May-1998	91-8 21-Sep-1998	91-8 04-May-1999
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	600	350	470	380	445	390	320	310	340
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.5	<0.1	<0.06	<0.1	<0.1	<0.1	0.5
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<2	<2	<2	4	<2
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	87	<5	<3	19	<10	<5	<5	25	<5
Chloride	mg/l	--	250	--	4.4	16	38	4.3	7	4.4	2.8	3.4	2.4
Conductivity	uS/cm	--	--	--	700	750	700	850	755	470	640	390	460
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	--	<0.1	0.16	0.12	<0.1	<0.07	0.16	0.1	0.2	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*470*	*450*	*440*	*480*	*480*	*490*	*400*	*310*	*380*
Nitrate	mg/l	-- [7]	--	--	2	<0.1	2.7	2.2	8.6	7.9	2.3	<0.1	3.6
Nitrite	mg/l	-- [8]	--	--	0.016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	2.016	<0.2	<2.8	<2.3	<8.7	<8	<2.4	<0.2	<0.46
Nitrogen, Organic	mg/l	--	--	0.15	<0.49	<2.6	<2.9	<0.1	<0.56	<0.95	<0.47	<2.5	0.05
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.49	2.6	2.9	<0.1	0.56	0.95	0.47	2.5	0.55
pH	-	--	--	8.5	7	7.4	6.8	7.2	7.6	7.6	7.48	--	7.4
Phosphate	mg/l	--	--	--	1.1	<0.1	<0.1	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	2.1	0.3	<0.1	--	<0.2	<0.2	<0.2	<0.2	<0.2
Sulfate	mg/l	--	500 [9]	--	40	50	36	23	13	25	31	36	27
Temperature	deg c	--	15	--	9.5	8	7.5	6	5	5	8	--	3
Total Dissolved Solids	mg/l	--	500	--	560	420	440	460	510	490	410	320	420
Total Organic Carbon	mg/l	--	--	--	2.5	0.48	1.9	2.3	31	4.7	5.2	1.1	2.3
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	0.06	0.05	<0.05	<0.05	0.1	0.08	*0.21*	0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005
Barium, Dissolved	mg/l	1	--	--	0.05	0.06	0.05	0.05	0.05	0.04	0.06	0.07	0.05
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	<0.001	<0.0001	<0.001	<0.001
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	0.0006	<0.00015	0.0005	<0.005	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Calcium, Dissolved	mg/l	--	--	--	120	120	108	120	116	130	100	76	89
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.09	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	<0.05	0.1	0.09	0.26	0.06	<0.05
Lead, Dissolved	mg/l	0.01	--	--	**0.015**	0.002	0.002	0.006	<0.0006	<0.0006	<0.0006	<0.0006	0.0012
Magnesium, Dissolved	mg/l	--	--	--	42	39	41	42	43	39	36	30	37
Manganese, Dissolved	mg/l	--	0.05	--	<0.005	0.007	<0.005	<0.005	0.01	<0.01	<0.01	0.04	<0.01
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.04	<0.02	<0.02	<0.02	<0.02
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	1.3	<2	<2	<2	1	<1	1.1	2.8	<1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	7	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	0.019	<0.02	<0.01	<0.01	<0.01	<0.01
Sodium, Dissolved	mg/l	--	200 [10]	--	5.5	5	5.2	6.4	5.7	3.9	4.8	5.5	5.4
Strontium, Dissolved	mg/l	--	--	--	0.19	0.31	0.17	0.16	0.16	0.15	0.18	0.45	0.14
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.002	<0.1	<0.1	<0.1	<0.1
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.1	<0.1	<0.01	<0.02	<0.02	<0.02	<0.02

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-9D 20-May-1993	91-9D 31-Aug-1993	91-9D 25-Nov-1993	91-9D 12-May-1994	91-9D 20-Sep-1994	91-9D 20-Apr-1995	91-9D 20-Sep-1995	91-9D 08-May-1996	91-9D 25-Sep-1996	91-9D 28-Nov-1996
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	180	240	140	140	330	89	250	140	190	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06	<0.06	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<2	<2	--
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.13	<0.1	0.14	<0.1	0.11	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	15	6	15	38	14	26	<10	<5	--
Chloride	mg/l	--	250	--	5	4.1	2.1	3.5	4.2	4.8	11	4	3.1	--
Conductivity	uS/cm	--	--	--	340	450	325	290	500	225	525	290	300	--
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--
Fluoride	mg/l	1.5	--	--	<0.1	0.11	0.1	0.11	<0.1	<0.1	--	0.09	0.17	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*200*	*310*	*170*	*150*	*310*	*140*	*320*	60	*210*	--
Nitrate	mg/l	-- [7]	--	--	1.5	0.35	0.11	0.64	<0.1	0.35	0.12	0.45	0.62	--
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<1.5	<0.45	<0.21	<0.74	<0.2	<0.45	<0.22	<0.55	<0.72	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.34	<0.39	<0.1	<0.1	<0.1	<0.1	<0.25	<0.08	<0.23	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.34	0.39	<0.1	<0.1	<0.1	<0.1	0.25	0.08	0.23	--
pH	-	--	--	8.5	6.9	6.7	6.9	6.6	6.8	7	7.1	7.4	7.3	--
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	<1	<0.2	--
Sulfate	mg/l	--	500 [9]	--	25	54	27	19	33	16	39	18	23	--
Temperature	deg c	--	15	--	8	10.5	7.5	7.5	10	7.5	9	4.5	5.5	--
Total Dissolved Solids	mg/l	--	500	--	250	300	200	180	330	120	330	210	210	--
Total Organic Carbon	mg/l	--	--	--	4.7	0.54	3.3	3.4	5.8	2.9	4.2	14	8	--
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	0.06	0.07	<0.05	<0.05	<0.05	<0.05	0.07	<0.1	<0.1	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.005	<0.005	--
Barium, Dissolved	mg/l	1	--	--	0.22	0.11	0.041	0.12	0.12	0.03	0.11	0.14	0.12	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	0.12	<0.05	0.21	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.005	0.00044	0.0003	0.0003	<0.005	<0.005	<0.00008	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	55	90	45	41	90	37	94	45	53	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	0.05	<0.05	<0.05	<0.05	0.15	<0.05	0.11	<0.05	<0.05	--
Lead, Dissolved	mg/l	0.01	--	--	**0.012**	<0.01	<0.001	<0.001	0.004	<0.001	0.0075	<0.0006	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	16	20	13	13	21	11	20	13	14	--
Manganese, Dissolved	mg/l	--	0.05	--	<0.05	0.006	0.04	0.01	0.05	0.009	0.04	0.02	0.03	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	<2	<2	<2	<2	<2	<2	2.1	1.5	1.8	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	3	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.02	<0.02	--
Sodium, Dissolved	mg/l	--	200 [10]	--	12	11	6.1	8.2	11	5.8	13	8.4	7.7	--
Strontium, Dissolved	mg/l	--	--	--	0.13	0.15	0.07	0.08	0.15	0.04	0.16	0.1	0.1	--
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	<1	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-9D 06-May-1997	91-9D 23-Sep-1997	91-9D 06-May-1998	91-9D 17-Sep-1998	91-9D 27-Apr-1999	91-9D 23-Sep-1999
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	158	240	120	220	130	202
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	0.13	0.18	<0.05
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	20	<5	20	<5	16
Chloride	mg/l	--	250	--	3.5	5.2	3	5.1	2.9	6.7
Conductivity	uS/cm	--	--	--	230	590	280	460	380	330
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*180*	*290*	*150*	*260*	*180*	*276.34*
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.33	<0.45	<0.35	0.1	0.01	<0.4
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.33	0.45	0.35	0.23	0.19	0.4
pH	-	--	--	8.5	6.8	6.9	6.95	6.8	7.06	6.7
Phosphate	mg/l	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	5	9	7.5	5	7.5	4
Total Dissolved Solids	mg/l	--	500	--	240	320	160	280	470	364
Total Organic Carbon	mg/l	--	--	--	8.4	7.8	<0.5	2.6	2.5	2.6
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.06	<0.05	<0.05	<0.05	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	52	90	43	75	52	82
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.35	0.11	0.34	<0.05	0.59	0.033
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	11	17	11	18	12	17.4
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	1.1	1.5	<1	1.5	<1	1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	5.4	5.8	4.8	7.1	5.7	8.99
Strontium, Dissolved	mg/l	--	--	--	0.17	0.13	0.13	0.18	0.2	0.144
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-9S 20-May-1993	91-9S 20-May-1993 91-9S-FD (Field Duplicate)	91-9S 01-Sep-1993	91-9S 25-Nov-1993	91-9S 25-Nov-1993 91-9S-FD (Field Duplicate)	91-9S 12-May-1994	91-9S 20-Sep-1994	91-9S 20-Apr-1995
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	110	110	220	100	130	140	290	160
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	8	12	13	27	<5	12	21	14
Chloride	mg/l	--	250	--	4.1	4.2	4.3	2.1	1.9	3	5.1	3.7
Conductivity	uS/cm	--	--	--	250	250	450	200	200	215	500	205
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002
Fluoride	mg/l	1.5	--	--	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*150*	*140*	*311*	98	100	*120*	*300*	*120*
Nitrate	mg/l	-- [7]	--	--	0.89	0.77	<0.1	<0.1	<0.1	0.41	<0.1	0.28
Nitrite	mg/l	-- [8]	--	--	0.01	0.013	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	0.9	0.783	<0.2	<0.2	<0.2	<0.51	<0.2	<0.38
Nitrogen, Organic	mg/l	--	--	0.15	<0.43	<0.29	<0.1	<0.22	<0.12	<0.31	<0.23	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.43	0.29	<0.1	0.22	0.12	0.31	0.23	<0.1
pH	-	--	--	8.5	7	7	6.6	6.3	6.3	6.4	6.9	6.6
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Phosphorus	mg/l	--	--	--	<0.1	0.17	<0.1	0.17	<0.1	<0.1	<0.1	--
Sulfate	mg/l	--	500 [9]	--	27	28	54	27	27	24	31	17
Temperature	deg c	--	15	--	5.5	5.5	11	7	7	7	11	6.5
Total Dissolved Solids	mg/l	--	500	--	200	200	340	140	140	160	380	200
Total Organic Carbon	mg/l	--	--	--	2.9	3.2	4	3	3	3.4	4.1	2.7
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	0.05	0.07	0.05	0.08	0.1	0.06	<0.05	<0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Barium, Dissolved	mg/l	1	--	--	0.04	0.04	0.088	0.03	0.03	0.03	0.08	0.026
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	0.08	<0.05	0.06	<0.05	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.0002	<0.005	0.00055	0.00053	<0.0002	0.0003	<0.005
Calcium, Dissolved	mg/l	--	--	--	37	36	90	25	26	29	84	33
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	0.06	0.06	<0.05	<0.05	0.05
Lead, Dissolved	mg/l	0.01	--	--	**0.012**	**0.011**	<0.01	<0.001	<0.001	<0.001	0.003	0.002
Magnesium, Dissolved	mg/l	--	--	--	13	13	21	8.8	8.9	11	22	12
Manganese, Dissolved	mg/l	--	0.05	--	<0.05	<0.05	0.006	0.013	0.013	<0.005	0.04	<0.005
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	<2	<2	<2	<2	<2	<2	<2	<2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	2
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	9	8	11	4.9	5.1	6.4	11	5.6
Strontium, Dissolved	mg/l	--	--	--	0.06	0.06	0.15	0.05	0.05	0.05	0.15	0.04
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	91-9S 20-Sep-1995	91-9S 08-May-1996	91-9S 25-Sep-1996	91-9S 28-Nov-1996	91-9S 06-May-1997	91-9S 23-Sep-1997	91-9S 06-May-1998	91-9S 17-Sep-1998	91-9S 27-Apr-1999	91-9S 23-Sep-1999
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	240	130	160	--	76	240	83	230	88	195
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.06	<0.06	--	<0.1	<0.1	<0.1	<0.1	0.1	<0.05
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<2	<2	--	--	--	--	<2	--	--
Bromide	mg/l	--	--	--	0.14	<0.1	0.11	--	--	--	--	<0.1	--	--
Chemical Oxygen Demand	mg/l	--	--	--	40	<10	<5	--	<5	7	<5	29	<5	21
Chloride	mg/l	--	250	--	10	4	3	--	2.7	5.1	3	4.9	2.8	12
Conductivity	uS/cm	--	--	--	550	230	290	--	155	560	240	410	200	320
Cyanide	mg/l	0.2	--	--	0.005	<0.005	<0.005	--	--	--	--	<0.005	--	--
Fluoride	mg/l	1.5	--	--	0.12	0.08	0.15	--	--	--	--	<0.1	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*310*	*125*	*170*	--	100	*260*	*110*	*260*	100	*259.39*
Nitrate	mg/l	-- [7]	--	--	0.12	0.44	0.62	--	--	--	--	0.1	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	--	--	--	--	<0.1	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.22	<0.54	<0.72	--	--	--	--	<0.2	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.28	<0.37	<0.39	--	<0.39	<0.5	<0.36	<0.25	0.08	<0.5
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.28	0.37	0.39	--	0.39	0.5	0.36	0.25	0.18	0.5
pH	-	--	--	8.5	7.2	7.1	7.6	--	7	6.7	6.66	6.6	6.9	6.9
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	<0.3	--	--
Phosphorus	mg/l	--	--	--	--	<0.2	<0.2	--	--	--	--	<0.2	--	--
Sulfate	mg/l	--	500 [9]	--	38	18	29	--	--	--	--	47	--	--
Temperature	deg c	--	15	--	10	3.5	5	--	5	9.5	7	7	7	3
Total Dissolved Solids	mg/l	--	500	--	320	180	200	--	170	300	130	270	470	345
Total Organic Carbon	mg/l	--	--	--	4.2	9.5	9	--	6.8	7.8	<0.5	2.7	2.4	3
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	*0.22*	<0.1	<0.1	--	--	--	--	0.09	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.005	<0.005	--	--	--	--	<0.005	--	--
Barium, Dissolved	mg/l	1	--	--	0.078	0.03	0.06	--	--	--	--	0.06	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.01	<0.01	--	--	--	--	<0.001	--	--
Boron, Dissolved	mg/l	5	--	--	0.12	<0.05	0.22	--	<0.05	0.05	<0.05	<0.05	<0.05	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.005	0.00018	<0.00008	--	--	--	--	<0.00008	--	--
Calcium, Dissolved	mg/l	--	--	--	89	32	46	--	26	75	27	70	24	74.4
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.02	<0.02	--	--	--	--	<0.02	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.09	<0.09	--	--	--	--	<0.05	--	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.02	<0.02	--	--	--	--	<0.02	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.18	<0.05	<0.05	--	0.06	<0.05	<0.05	0.08	<0.05	0.099
Lead, Dissolved	mg/l	0.01	--	--	<0.001	<0.0006	<0.0006	--	--	--	--	<0.0006	--	--
Magnesium, Dissolved	mg/l	--	--	--	21	11	13	--	8.5	17	9.7	20	9.2	17.9
Manganese, Dissolved	mg/l	--	0.05	--	0.028	<0.01	<0.01	--	--	--	--	0.07	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.01	<0.04	--	--	--	--	<0.02	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.03	<0.03	--	--	--	--	<0.01	--	--
Potassium, Dissolved	mg/l	--	--	--	<2	<1	1.8	--	<1	<1	<1	<1	<1	<1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.02	<0.02	--	--	--	--	<0.01	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	12	7	7.2	--	4.3	5.8	3.8	7.2	3.9	9.38
Strontium, Dissolved	mg/l	--	--	--	0.16	0.05	0.08	--	0.04	0.12	0.04	0.12	--	0.136
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.002	<1	--	--	--	--	<0.1	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.01	<0.01	--	--	--	--	<0.01	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.01	<0.01	--	--	--	--	<0.01	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	--	--	--	--	<0.01	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.01	<0.01	--	--	--	--	<0.02	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-1D 20-May-1993	93-1D 01-Sep-1993	93-1D 25-Nov-1993	93-1D 13-Apr-1994	93-1D 23-Sep-1994	93-1D 26-Apr-1995	93-1D 20-Sep-1995	93-1D 09-May-1996	93-1D 09-May-1996 93-1D-FD (Field Duplicate)
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	250	240	230	350	210	230	260	220	--
Ammonia Nitrogen	mg/l	--	--	--	0.24	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	7	<3	<3	<3	<3	<3	<3	<2	--
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.14	<0.1	0.13	<0.1	--
Chemical Oxygen Demand	mg/l	--	--	--	17	5	47	9	10	13	22	<10	--
Chloride	mg/l	--	250	--	7	5.6	6.4	5.6	5.2	6	5.8	6	--
Conductivity	uS/cm	--	--	--	650	650	650	470	440	525	440	560	--
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	--
Fluoride	mg/l	1.5	--	--	0.37	**1.9**	**2**	**2.2**	**1.83**	**2**	**1.9**	**2.9**	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*270*	100	95	80	73	68	66	60	--
Nitrate	mg/l	-- [7]	--	--	6.5	0.31	0.1	<0.1	<0.1	0.17	0.13	<0.05	--
Nitrite	mg/l	-- [8]	--	--	0.43	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	6.93	<0.41	<0.2	<0.2	<0.2	<0.27	<0.23	<0.15	--
Nitrogen, Organic	mg/l	--	--	0.15	0.12	<0.18	<2.5	<0.37	<0.9	<0.27	<0.69	<0.53	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.36	0.18	2.5	0.37	0.9	0.27	0.69	0.53	--
pH	-	--	--	8.5	7.1	7.5	7.8	7.2	7.4	8	8.2	7.9	--
Phosphate	mg/l	--	--	--	0.66	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	0.98	<0.1	<0.1	<0.1	0.16	--	--	<1	<1
Sulfate	mg/l	--	500 [9]	--	37	20	18	15	15	11	12	18	--
Temperature	deg c	--	15	--	8	10	9	9	10.5	7	11	5	--
Total Dissolved Solids	mg/l	--	500	--	980	540	290	300	760	590	670	340	--
Total Organic Carbon	mg/l	--	--	--	2.1	2.9	1.9	3	3	2.1	2.2	23	--
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	*0.11*	0.09	*0.12*	<0.05	0.07	<0.05	*0.77*	*0.35*	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.005	--
Barium, Dissolved	mg/l	1	--	--	0.17	0.082	0.1	0.08	0.08	0.067	0.071	0.05	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	0.03	<0.005	<0.005	<0.005	<0.005	<0.01	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.36	0.42	0.3	0.31	0.32	0.47	0.44	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.005	<0.00015	0.0003	0.0004	<0.005	<0.005	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	67	26	25	21	19	17	17	16	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	0.09	<0.05	0.1	<0.05	<0.05	<0.05	0.21	0.11	--
Lead, Dissolved	mg/l	0.01	--	--	**0.012**	<0.01	0.01	**0.017**	**0.017**	**0.011**	<0.001	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	24	8.7	8	7.1	6.5	6.1	5.9	4.6	--
Manganese, Dissolved	mg/l	--	0.05	--	0.15	0.049	0.08	0.043	0.02	0.015	0.035	0.02	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	5	3.1	<2	2.1	2.4	<2	<2	2.6	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	5.4	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.02	--
Sodium, Dissolved	mg/l	--	200 [10]	--	46	68	60	72	81	90	79	69	--
Strontium, Dissolved	mg/l	--	--	--	0.66	0.84	0.8	0.99	1.2	1.1	1.2	1	--
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	0.03	<0.005	<0.005	<0.005	0.007	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-1D 25-Sep-1996	93-1D 27-Nov-1996	93-1D 06-May-1997	93-1D 24-Sep-1997	93-1D 11-May-1998	93-1D 17-Sep-1998	93-1D 04-May-1999	93-1D 23-Sep-1999
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	230	--	210	230	210	230	220	225
Ammonia Nitrogen	mg/l	--	--	--	<0.06	--	<0.1	<0.1	0.13	0.1	<0.1	<0.05
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<2	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.13	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	<5	<5	25	11	16
Chloride	mg/l	--	250	--	6.2	--	5.7	7	6.4	6.9	6.2	6.17
Conductivity	uS/cm	--	--	--	330	--	360	480	460	300	360	320
Cyanide	mg/l	0.2	--	--	<0.005	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	**3**	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	80	--	60	23	35	50	50	54.463
Nitrate	mg/l	-- [7]	--	--	0.24	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.34	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.64	--	<0.37	<0.95	0.14	0.14	<1.5	<0.7
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.64	--	0.37	0.95	0.27	0.24	1.5	0.7
pH	-	--	--	8.5	*8.8*	--	7.6	7.6	8.5	7.1	7.94	7.7
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.2	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	19	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	5	--	6	10	8	9	4	4.5
Total Dissolved Solids	mg/l	--	500	--	290	--	290	620	360	450	310	717
Total Organic Carbon	mg/l	--	--	--	5	--	6	2.6	4.3	1.4	2.2	11.6
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	*0.22*	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.07	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.82	--	0.46	0.49	0.45	0.46	0.49	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	15	--	16	6	9.3	12	12	13.7
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.09	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	0.12	0.27	0.07	0.4	<0.05	1.06
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	5.1	--	5	1.9	3	3.9	4.4	4.93
Manganese, Dissolved	mg/l	--	0.05	--	<0.01	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.03	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	2.4	--	1.4	1.3	1.7	1.5	1.6	2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	86	--	78	110	100	96	100	97.4
Strontium, Dissolved	mg/l	--	--	--	1.2	--	1.2	0.45	0.72	0.82	1	1.08
Thallium, Dissolved	mg/l	--	--	--	<1	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-1M 19-May-1993	93-1M 01-Sep-1993	93-1M 25-Nov-1993	93-1M 13-Apr-1994	93-1M 20-Sep-1994	93-1M 25-Apr-1995	93-1M 20-Sep-1995	93-1M 08-May-1996	93-1M 25-Sep-1996	93-1M 27-Nov-1996
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	320	290	330	320	390	320	310	650	360	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06	<0.06	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<2	<2	--
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	0.12	--
Chemical Oxygen Demand	mg/l	--	--	--	96	8	20	22	15	7	26	<10	<5	--
Chloride	mg/l	--	250	--	8.7	8.5	13	17	6.6	13	9.3	9.5	8.9	--
Conductivity	uS/cm	--	--	--	800	750	800	700	625	825	700	670	480	--
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--
Fluoride	mg/l	1.5	--	--	0.28	0.42	0.44	0.61	0.36	0.32	0.38	0.18	0.61	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*250*	*350*	*350*	*320*	*300*	*360*	*280*	*270*	*280*	--
Nitrate	mg/l	-- [7]	--	--	4.9	3.2	0.53	0.19	<0.1	0.38	<0.1	<0.05	0.26	--
Nitrite	mg/l	-- [8]	--	--	2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	7.4	<3.3	<0.63	<0.29	<0.2	<0.48	<0.2	<0.15	<0.36	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.19	<0.46	<2.3	<0.35	<0.29	<0.1	<0.85	<0.26	<0.46	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.19	0.46	2.3	0.35	0.29	<0.1	0.85	0.26	0.46	--
pH	-	--	--	8.5	6.9	7.4	7.5	7	7.7	7.5	7.8	7.5	8.1	--
Phosphate	mg/l	--	--	--	0.3	<0.1	<0.1	<0.1	<0.1	--	--	--	--	--
Phosphorus	mg/l	--	--	--	1.2	<0.1	<0.1	<0.1	<0.1	--	--	<1	<0.2	--
Sulfate	mg/l	--	500 [9]	--	53	26	31	31	19	18	22	36	39	--
Temperature	deg c	--	15	--	10.5	10.5	8	8.5	10	9	10	7	5	--
Total Dissolved Solids	mg/l	--	500	--	1000	380	360	370	1200	550	800	430	380	--
Total Organic Carbon	mg/l	--	--	--	1.7	1.8	1.4	10	3.4	1.5	2.3	19	8	--
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	0.08	0.06	0.06	<0.05	*0.12*	<0.05	*0.84*	*0.2*	*0.15*	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--
Barium, Dissolved	mg/l	1	--	--	0.18	0.14	0.14	0.15	0.14	0.14	0.11	0.13	0.12	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.08	0.09	<0.05	<0.05	<0.05	0.09	0.11	0.31	--
Cadmium, Dissolved	mg/l	0.005	--	--	0.0007	<0.005	0.00025	0.0004	0.0002	<0.005	<0.005	<0.00008	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	67	87	89	78	72	92	68	62	66	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.27	0.07	0.16	--
Lead, Dissolved	mg/l	0.01	--	--	**0.02**	<0.01	0.005	**0.014**	**0.011**	0.01	0.0045	<0.0006	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	20	33	30	31	28	32	26	24	25	--
Manganese, Dissolved	mg/l	--	0.05	--	0.097	0.051	0.04	0.097	0.06	0.038	0.04	0.06	0.07	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	4.7	3.1	2.1	2.6	2.2	<2	<2	2.4	2.5	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	6.6	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	0.022	<0.005	<0.02	<0.02	--
Sodium, Dissolved	mg/l	--	200 [10]	--	72	16	24	31	42	43	43	74	44	--
Strontium, Dissolved	mg/l	--	--	--	1.7	2.9	2.9	3.5	3.4	3.7	3.1	3.3	3.3	--
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	<1	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-1M 06-May-1997	93-1M 24-Sep-1997	93-1M 11-May-1998	93-1M 17-Sep-1998	93-1M 27-Apr-1999	93-1M 23-Sep-1999
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	310	330	310	320	300	307
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	0.18	0.14	0.1	<0.05
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	9	<5	<5	12	<5	<4
Chloride	mg/l	--	250	--	8.5	9.6	9	9.5	3.6	6.09
Conductivity	uS/cm	--	--	--	500	610	645	390	550	390
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*270*	*240*	*260*	*250*	*300*	52.184
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.28	<0.48	*0.19*	*0.28*	0.06	<0.2
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.28	0.48	0.37	0.42	0.16	0.2
pH	-	--	--	8.5	7.8	7.4	7.59	7.16	7.68	7.3
Phosphate	mg/l	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	6	9.5	8	8	10	3
Total Dissolved Solids	mg/l	--	500	--	420	390	380	370	290	431
Total Organic Carbon	mg/l	--	--	--	2.8	11	8.6	<0.5	1	0.9
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.06	0.06	<0.05	0.06	<0.05	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	69	59	65	61	73	13.1
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.18	<0.05	0.07	0.06	<0.05	1.02
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	23	22	25	24	29	4.74
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	2.3	2.2	1.8	2	1.7	3
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	49	58	52	54	5.6	93.3
Strontium, Dissolved	mg/l	--	--	--	3.2	2.9	3.3	3.3	1.4	1.04
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-1S 19-May-1993	93-1S 19-May-1993 93-1S-FD (Field Duplicate)	93-1S 01-Sep-1993	93-1S 25-Nov-1993	93-1S 12-Apr-1994	93-1S 20-Sep-1994	93-1S 25-Apr-1995	93-1S 20-Sep-1995	93-1S 08-May-1996
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	290	280	310	310	290	380	290	310	300
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3	<2
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	86	90	<5	8	<5	15	7	12	<10
Chloride	mg/l	--	250	--	3	3.3	3.8	2.9	4.1	3.9	3.4	3.5	4
Conductivity	uS/cm	--	--	--	650	650	700	750	650	550	750	600	550
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	<0.1	<0.1	0.15	0.19	0.21	0.13	0.11	0.7	0.18
Hardness, Calcium Carbonate	mg/l	--	--	100	*330*	*320*	*360*	*380*	*360*	*350*	*400*	*340*	*330*
Nitrate	mg/l	-- [7]	--	--	5.5	5.6	5.6	4.6	3.5	1.5	1.8	0.65	2.4
Nitrite	mg/l	-- [8]	--	--	0.35	0.59	0.57	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	5.85	6.19	6.2	<4.7	<3.6	<1.6	<1.9	0.75	<2.5
Nitrogen, Organic	mg/l	--	--	0.15	<0.37	<0.31	<0.38	<2.6	<0.42	<0.31	<0.1	<0.66	<0.34
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.37	0.31	0.38	2.6	0.42	0.31	<0.1	0.66	0.34
pH	-	--	--	8.5	7.1	7.1	7.3	7.4	6.6	7.5	7.3	7.8	7
Phosphate	mg/l	--	--	--	0.25	0.21	<0.1	<0.1	<0.1	<0.1	--	--	--
Phosphorus	mg/l	--	--	--	0.6	0.63	<0.1	<0.1	<0.1	<0.1	--	--	<1
Sulfate	mg/l	--	500 [9]	--	18	22	20	21	16	13	12	21	26
Temperature	deg c	--	15	--	9	9	10.5	8	8	11.5	7.5	10	7
Total Dissolved Solids	mg/l	--	500	--	590	770	370	360	330	470	400	370	360
Total Organic Carbon	mg/l	--	--	--	1.5	1.1	1.8	1.1	2.2	2.3	1.5	1.3	59
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	0.05	0.07	0.06	0.05	<0.05	<0.05	<0.05	0.05	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Barium, Dissolved	mg/l	1	--	--	0.15	0.15	0.13	0.11	0.1	0.09	0.094	0.082	0.1
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	0.07	0.05	<0.05	<0.05	<0.05	0.06	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	0.0002	0.0003	<0.005	<0.00015	0.0004	0.0002	<0.005	<0.005	<0.00008
Calcium, Dissolved	mg/l	--	--	--	87	83	91	100	90	85	100	83	84
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.13
Lead, Dissolved	mg/l	0.01	--	--	**0.012**	**0.015**	<0.01	0.002	**0.038**	0.005	0.005	0.0025	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	28	27	32	32	33	32	35	32	32
Manganese, Dissolved	mg/l	--	0.05	--	0.057	0.066	0.029	0.022	0.01	<0.005	0.021	0.021	0.04
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	3.8	4	4.2	2.3	4	2.3	<2	2.3	3.5
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	5	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.019	<0.005	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	16	24	9.8	6	6	8.2	8	8.1	6.5
Strontium, Dissolved	mg/l	--	--	--	0.91	0.97	0.58	0.62	0.86	1.1	1.2	1.3	1.1
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-1S 25-Sep-1996	93-1S 27-Nov-1996	93-1S 06-May-1997	93-1S 24-Sep-1997	93-1S 11-May-1998	93-1S 17-Sep-1998	93-1S 04-May-1999	93-1S 21-Sep-1999
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	320	--	280	300	280	300	290	298
Ammonia Nitrogen	mg/l	--	--	--	<0.06	--	<0.1	<0.1	0.12	0.46	0.17	<0.01
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<2	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.11	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	11	<5	<5	10	<5	<4
Chloride	mg/l	--	250	--	4.5	--	4	5	3.5	5	3.3	4.1
Conductivity	uS/cm	--	--	--	430	--	440	540	570	360	490	510
Cyanide	mg/l	0.2	--	--	<0.005	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.26	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*290*	--	*350*	*330*	*310*	*320*	*310*	*303.9*
Nitrate	mg/l	-- [7]	--	--	2.5	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	0.18	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	2.68	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.47	--	<0.24	<0.31	*0.23*	*0.45*	*0.49*	<0.05
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.47	--	0.24	0.31	0.35	0.91	0.66	<0.05
pH	-	--	--	8.5	8.1	--	7.6	7	7.75	7.1	7.4	7.3
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.2	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	22	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	5	--	6	8.5	9	8.5	7	4
Total Dissolved Solids	mg/l	--	500	--	310	--	340	340	380	320	340	360
Total Organic Carbon	mg/l	--	--	--	7	--	4.4	3.4	<0.5	2.4	1.1	<0.1
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.1	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.08	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.2	--	<0.05	<0.05	<0.05	<0.05	<0.05	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	78	--	90	81	76	80	74	74
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.09	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	<0.05	<0.05	<0.05	<0.05	<0.05	0.006
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	29	--	29	31	30	29	30	29
Manganese, Dissolved	mg/l	--	0.05	--	0.02	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.03	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	2.8	--	1.7	1.8	1.9	3.2	2.4	1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	6.6	--	4.8	5.8	5.6	6.6	5.4	7.5
Strontium, Dissolved	mg/l	--	--	--	1.1	--	1.4	1.3	1.5	1.1	1.4	1.3
Thallium, Dissolved	mg/l	--	--	--	<1	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-2D 12-Apr-1994	93-2D 20-Sep-1994	93-2D 20-Sep-1994 93-2D-FD (Field Duplicate)	93-2D 07-Dec-1994	93-2D 26-Apr-1995	93-2D 19-Sep-1995	93-2D 23-Nov-1995	93-2D 09-May-1996
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	250	230	220	210	250	210	290	260
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.19
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<2
Bromide	mg/l	--	--	--	0.19	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	21	13	13	32	40	27	35	<10
Chloride	mg/l	--	250	--	330	400	400	360	540	400	430	460
Conductivity	uS/cm	--	--	--	1800	1400	1400	1900	2300	1900	1650	1700
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	0.48	<0.1	0.21	0.14	<0.1	<0.1	0.15	0.27
Hardness, Calcium Carbonate	mg/l	--	--	100	*680*	*670*	*670*	*710*	*730*	*730*	*650*	*685*
Nitrate	mg/l	-- [7]	--	--	<0.1	0.12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
Nitrite	mg/l	-- [8]	--	--	<0.1	<1	<1	<0.1	<0.1	<1	<1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.2	<1.12	<1.1	<0.2	<0.2	<1.1	<1.1	<0.15
Nitrogen, Organic	mg/l	--	--	0.15	<0.22	<1.8	<1	<0.1	<0.91	<1	<0.11	*0.19*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.22	1.8	1	0.1	0.91	1	0.11	0.19
pH	-	--	--	8.5	7.1	7.5	7.5	7.4	7.3	7.5	7.5	7
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	--	--	--	<1
Sulfate	mg/l	--	500 [9]	--	60	57	53	52	58	51	53	84
Temperature	deg c	--	15	--	9	10	10	7	8.5	10	8	7
Total Dissolved Solids	mg/l	--	500	--	1000	1200	1200	1200	1300	1100	1200	1260
Total Organic Carbon	mg/l	--	--	--	2	4.6	1.3	1.8	1.5	1.5	5.8	13
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005
Barium, Dissolved	mg/l	1	--	--	0.28	0.3	0.3	0.28	0.27	0.29	0.24	0.22
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	0.22	0.2	0.2	0.23	0.14	0.33	0.38	0.35
Cadmium, Dissolved	mg/l	0.005	--	--	0.0004	0.0002	0.0002	<0.0002	<0.005	<0.005	<0.005	<0.00008
Calcium, Dissolved	mg/l	--	--	--	160	150	150	160	170	170	150	174
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead, Dissolved	mg/l	0.01	--	--	**0.019**	**0.032**	**0.034**	**0.042**	**0.026**	**0.02**	**0.023**	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	70	69	69	73	71	74	67	61
Manganese, Dissolved	mg/l	--	0.05	--	0.2	0.2	0.2	0.24	0.22	0.23	0.15	0.13
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	4	3.9	3.7	2.6	<2	3.9	4.8	3.9
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	8	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	110	110	110	110	120	100	110	111
Strontium, Dissolved	mg/l	--	--	--	4.8	5.1	5.1	5.3	4.9	5.2	4.9	4.1
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-2D 09-May-1996 93-2D-FD (Field Duplicate)	93-2D 24-Sep-1996	93-2D 27-Nov-1996	93-2D 05-May-1997	93-2D 24-Sep-1997	93-2D 02-Dec-1997	93-2D 07-May-1998	93-2D 17-Sep-1998	93-2D 29-Apr-1999
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	--	270	240	270	240	--	250	280	270
Ammonia Nitrogen	mg/l	--	--	--	--	<0.06	<0.1	<0.1	<0.1	--	0.11	0.15	0.35
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	<2	2.1	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	0.16	<0.1	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	8	7	<5	--	<5	<5	<5
Chloride	mg/l	--	250	--	--	440	480	450	400	--	390	420	400
Conductivity	uS/cm	--	--	--	--	1800	1400	1550	1800	--	1600	1000	1350
Cyanide	mg/l	0.2	--	--	--	<0.005	<0.005	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	0.27	0.21	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*660*	*690*	*650*	*680*	--	*670*	*610*	*810*
Nitrate	mg/l	-- [7]	--	--	--	<0.05	<0.05	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	<0.1	<0.5	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	<0.15	<0.55	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.33	<0.27	<0.37	<0.28	--	0.04	0.05	*0.59*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.33	0.27	0.37	0.28	--	0.15	0.2	0.94
pH	-	--	--	8.5	--	7.5	7.3	7.5	7.6	--	*8.72*	7.07	7.42
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<1	<0.2	<0.02	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	81	76	--	--	--	--	--	--
Temperature	deg c	--	15	--	--	4.5	6	6	9	--	10	7	4
Total Dissolved Solids	mg/l	--	500	--	--	1400	530	1200	1300	--	1200	1200	1300
Total Organic Carbon	mg/l	--	--	--	--	9	7	2.5	14	--	3.5	1.1	1.7
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	--	*0.11*	0.08	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	<0.005	<0.005	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	0.24	0.15	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	<0.01	<0.001	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	0.33	0.06	0.13	0.22	--	0.22	0.18	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.00008	<0.00008	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--	160	180	160	160	--	160	150	170
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.02	<0.02	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	<0.09	<0.05	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	<0.02	<0.02	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	--	<0.05	<0.05	<0.05	<0.05	--	<0.05	<0.05	<0.05
Lead, Dissolved	mg/l	0.01	--	--	--	<0.0006	<0.0006	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	--	60	58	60	65	--	65	57	94
Manganese, Dissolved	mg/l	--	0.05	--	--	0.2	0.01	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.04	<0.04	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	<0.03	<0.01	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	--	2.8	1.6	3.3	3.4	--	3.3	3	3.9
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	<0.02	<0.02	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	93	140	140	120	--	110	150	130
Strontium, Dissolved	mg/l	--	--	--	--	4.3	1.2	3.7	4.6	--	4.5	3.3	4.6
Thallium, Dissolved	mg/l	--	--	--	--	<1	<0.1	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	<0.01	<0.01	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	<0.01	<0.02	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-2D 04-May-1999	93-2D 16-Sep-1999	93-2D 17-Sep-1999	93-2D 28-Sep-1999	93-2D 24-May-2000	93-2D 18-Sep-2000	93-2D 14-May-2001	93-2D 07-Sep-2001
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	--	250	--	--	265	--	268	--
Ammonia Nitrogen	mg/l	--	--	--	--	<0.01	--	--	0.08	--	0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	<4	--	--	<4	--	11	--
Chloride	mg/l	--	250	--	--	64	--	--	512	--	503	--
Conductivity	uS/cm	--	--	--	--	1800	--	--	1500	1550	1650	--
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*696.26*	--	--	*697*	--	*653*	--
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	0.11	--	0.08	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	<0.05	--	--	0.19	--	0.1	--
pH	-	--	--	8.5	--	7.2	--	--	6.6	7.8	8	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	--	4	--	--	12	10	8	--
Total Dissolved Solids	mg/l	--	500	--	--	1200	--	--	1370	--	1340	--
Total Organic Carbon	mg/l	--	--	--	--	1.4	--	--	3.1	--	1.8	--
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	--	--	--	0.26	--	0.29	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--	166	--	--	165	--	154	--
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	--	0.007	--	--	0.02	--	0.03	--
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	--	68.6	--	--	69	--	65	--
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	--	4	--	--	4	--	3	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	133	--	--	137	--	135	--
Strontium, Dissolved	mg/l	--	--	--	--	4.2	--	--	4.52	--	4.35	--
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-2M 13-Apr-1994	93-2M 20-Sep-1994	93-2M 07-Dec-1994	93-2M 25-Apr-1995	93-2M 19-Sep-1995	93-2M 23-Nov-1995	93-2M 09-May-1996	93-2M 09-May-1996 93-2M-FD (Field Duplicate)	93-2M 24-Sep-1996
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	260	260	240	290	250	320	290	--	320
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06	--	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<2	--	<2
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	0.15
Chemical Oxygen Demand	mg/l	--	--	--	21	19	26	43	37	29	<10	--	<5
Chloride	mg/l	--	250	--	310	420	400	570	410	440	540	--	520
Conductivity	uS/cm	--	--	--	2050	1500	2000	2300	2000	1775	2000	--	1800
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	--	<0.005
Fluoride	mg/l	1.5	--	--	0.31	<0.1	<0.1	<0.1	<0.1	<0.1	0.09	--	<0.07
Hardness, Calcium Carbonate	mg/l	--	--	100	*790*	*780*	*840*	*890*	*810*	*779*	*755*	--	*600*
Nitrate	mg/l	-- [7]	--	--	0.28	0.12	0.16	0.18	<0.1	<0.1	<0.05	--	0.23
Nitrite	mg/l	-- [8]	--	--	<0.1	0.12	<0.1	<0.1	<1	<1	<0.1	--	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.38	0.24	<0.26	<0.28	<1.1	<1.1	<0.15	--	<0.33
Nitrogen, Organic	mg/l	--	--	0.15	<0.45	<0.72	<0.16	<0.1	<1.1	<0.29	<0.18	--	<0.32
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.45	0.72	0.16	<0.1	1.1	0.29	0.18	--	0.32
pH	-	--	--	8.5	7	7.5	7.4	7.2	7.6	7.5	7	--	7.4
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	0.11	<0.1	<0.1	--	--	--	<1	<1	<0.2
Sulfate	mg/l	--	500 [9]	--	55	42	40	37	43	43	64	--	76
Temperature	deg c	--	15	--	7.5	12	7	8.5	10	8	7.5	--	4.5
Total Dissolved Solids	mg/l	--	500	--	1200	1200	1200	1200	1200	1300	1410	--	1500
Total Organic Carbon	mg/l	--	--	--	3.5	0.85	1.3	0.89	1.1	6.9	4.4	--	10
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	*0.11*	--	*0.12*
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--	<0.005
Barium, Dissolved	mg/l	1	--	--	0.19	0.2	0.19	0.18	0.19	0.14	0.15	--	0.13
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	<0.05	0.09	0.07	0.23	--	0.12
Cadmium, Dissolved	mg/l	0.005	--	--	0.0004	0.0002	<0.002	<0.005	<0.005	<0.005	<0.0008	--	<0.00008
Calcium, Dissolved	mg/l	--	--	--	200	190	210	230	200	190	202	--	170
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	--	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	--	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	--	<0.05
Lead, Dissolved	mg/l	0.01	--	--	**0.021**	**0.029**	**0.04**	**0.023**	**0.021**	**0.023**	<0.0006	--	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	73	72	78	76	77	74	61	--	52
Manganese, Dissolved	mg/l	--	0.05	--	0.053	0.02	0.01	<0.005	0.015	<0.05	<0.01	--	0.02
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	--	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	--	<0.03
Potassium, Dissolved	mg/l	--	--	--	<2	<2	2.1	<2	<2	3.9	2.9	--	1.3
Silicon, Dissolved	mg/l	--	--	--	--	--	--	6.7	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	--	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	94	82	89	120	87	96	142	--	140
Strontium, Dissolved	mg/l	--	--	--	1.9	1.9	2.6	2.3	3	2.8	1.3	--	1
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	--	<1
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	--	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01	--	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-2M 27-Nov-1996	93-2M 05-May-1997	93-2M 25-Sep-1997	93-2M 02-Dec-1997	93-2M 07-May-1998	93-2M 17-Sep-1998	93-2M 29-Apr-1999	93-2M 16-Sep-1999	93-2M 28-Sep-1999	93-2M 24-May-2000
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	280	300	270	--	290	290	290	280	--	292
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	--	<0.1	0.14	0.5	<0.01	--	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	3.1	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.13	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	--	<5	20	12	<4	--	8
Chloride	mg/l	--	250	--	480	480	370	--	460	440	470	600	--	523
Conductivity	uS/cm	--	--	--	1350	1600	1550	--	1750	1150	1550	1900	--	1600
Cyanide	mg/l	0.2	--	--	<0.005	--	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	<0.07	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*540*	*640*	*630*	--	*540*	*620*	*610*	*615.01*	--	*640*
Nitrate	mg/l	-- [7]	--	--	0.48	--	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	<0.5	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.98	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.39	<0.33	<0.31	--	<0.1	*0.19*	*0.21*	--	--	<0.21
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.39	0.33	0.31	--	<0.1	0.33	0.71	<0.05	--	0.21
pH	-	--	--	8.5	7.2	7.5	7.1	--	*8.55*	6.8	7.36	7.2	--	6.6
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	0.03	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	68	--	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	5.5	6	9.5	--	9.5	8	5	4	--	12
Total Dissolved Solids	mg/l	--	500	--	510	1300	1000	--	1200	1500	1400	1200	--	1450
Total Organic Carbon	mg/l	--	--	--	7	2.5	4.3	--	3.5	<0.5	1	0.9	--	1.8
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	0.09	--	--	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.13	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.001	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.06	<0.05	<0.05	--	<0.05	<0.05	<0.05	--	--	0.03
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	140	170	160	--	140	160	150	154	--	164
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.05	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	--	<0.05	<0.05	<0.05	0.023	--	0.03
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	46	53	55	--	47	54	57	56.1	--	56
Manganese, Dissolved	mg/l	--	0.05	--	<0.01	--	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	<1	1.6	1.8	--	<1	1	1.4	1	--	1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	240	170	120	--	190	160	210	166	--	212
Strontium, Dissolved	mg/l	--	--	--	0.34	0.9	1.1	--	0.76	0.98	0.93	1.23	--	1.16
Thallium, Dissolved	mg/l	--	--	--	<0.1	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-2M 18-Sep-2000	93-2M 14-May-2001	93-2M 07-Sep-2001
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	--	294	--
Ammonia Nitrogen	mg/l	--	--	--	--	<0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	5	--
Chloride	mg/l	--	250	--	--	605	--
Conductivity	uS/cm	--	--	--	1700	2000	--
Cyanide	mg/l	0.2	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*606*	--
Nitrate	mg/l	-- [7]	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.05	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	<0.05	--
pH	-	--	--	8.5	7.7	8	--
Phosphate	mg/l	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--
Temperature	deg c	--	15	--	11	9.5	--
Total Dissolved Solids	mg/l	--	500	--	--	1500	--
Total Organic Carbon	mg/l	--	--	--	--	1.5	--
Metals							
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	0.02	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--	152	--
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	--	0.03	--
Lead, Dissolved	mg/l	0.01	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	--	55	--
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	--	1	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	230	--
Strontium, Dissolved	mg/l	--	--	--	--	0.812	--
Thallium, Dissolved	mg/l	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-2S 12-Apr-1994	93-2S 23-Sep-1994	93-2S 07-Dec-1994	93-2S 07-Dec-1994 93-2S-FD (Field Duplicate)	93-2S 25-Apr-1995	93-2S 20-Sep-1995	93-2S 23-Nov-1995	93-2S 09-May-1996
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	260	340	300	300	330	360	400	280
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<2
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	17	9	29	29	57	15	33	<10
Chloride	mg/l	--	250	--	310	410	450	450	600	200	470	530
Conductivity	uS/cm	--	--	--	2000	1600	2200	2200	2775	2300	2200	2000
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	0.32	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.11
Hardness, Calcium Carbonate	mg/l	--	--	100	*650*	*600*	*620*	*620*	*690*	*590*	*547*	*640*
Nitrate	mg/l	-- [7]	--	--	0.58	<0.1	0.17	0.17	0.19	<0.1	0.17	<0.05
Nitrite	mg/l	-- [8]	--	--	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.68	<1.1	<0.27	<0.27	<0.29	<0.2	<1.17	<0.15
Nitrogen, Organic	mg/l	--	--	0.15	<0.36	<0.98	<0.52	<0.52	<0.1	<1	<0.12	<0.06
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.36	0.98	0.52	0.52	<0.1	1	0.12	0.06
pH	-	--	--	8.5	7	7.4	7.3	7.3	7.2	7.3	7.4	6.85
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	--	--	--	<1
Sulfate	mg/l	--	500 [9]	--	59	39	43	43	36	41	44	68
Temperature	deg c	--	15	--	7.5	11	7	7	8	10	9	4
Total Dissolved Solids	mg/l	--	500	--	1100	1300	1200	1200	1200	1400	1100	1380
Total Organic Carbon	mg/l	--	--	--	3	1.5	1.3	1.3	0.97	1.1	7.3	2.7
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005
Barium, Dissolved	mg/l	1	--	--	0.2	0.17	0.17	0.17	0.15	0.15	0.1	0.12
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	0.0004	0.0004	0.0002	0.0002	<0.005	<0.005	<0.005	<0.00008
Calcium, Dissolved	mg/l	--	--	--	160	150	160	160	180	150	140	176
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead, Dissolved	mg/l	0.01	--	--	**0.021**	**0.048**	**0.03**	**0.03**	**0.042**	<0.001	**0.042**	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	60	52	55	55	57	53	48	49
Manganese, Dissolved	mg/l	--	0.05	--	0.099	0.04	0.052	0.052	0.012	0.076	<0.05	<0.01
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	2.7	<2	<2	<2	<2	<2	2.9	2.1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	7.5	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	140	220	230	230	290	210	250	158
Strontium, Dissolved	mg/l	--	--	--	1.9	0.53	0.63	0.63	0.44	0.45	0.28	0.8
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-2S 09-May-1996 93-2S-FD (Field Duplicate)	93-2S 24-Sep-1996	93-2S 27-Nov-1996	93-2S 05-May-1997	93-2S 25-Sep-1997	93-2S 02-Dec-1997	93-2S 07-May-1998	93-2S 17-Sep-1998	93-2S 29-Apr-1999
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	--	320	310	310	320	--	300	310	320
Ammonia Nitrogen	mg/l	--	--	--	--	<0.06	<0.1	<0.1	<0.1	--	<0.1	0.15	0.78
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	<2	<2	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	0.15	0.13	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	6	13	12	<5	--	<5	22	<5
Chloride	mg/l	--	250	--	--	520	500	470	400	--	410	440	470
Conductivity	uS/cm	--	--	--	--	1900	1600	1600	1700	--	1600	1200	1600
Cyanide	mg/l	0.2	--	--	--	<0.005	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	<0.07	<0.07	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*560*	*610*	*500*	*560*	--	*440*	*510*	*520*
Nitrate	mg/l	-- [7]	--	--	--	0.28	0.41	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	<0.1	<0.5	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	<0.38	<0.91	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.45	<0.56	<0.33	<0.45	--	<0.25	*0.38*	0.01
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.45	0.56	0.33	0.45	--	0.25	0.53	0.79
pH	-	--	--	8.5	--	7.2	7.3	7.6	7.2	--	*8.55*	6.98	7.48
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<1	<0.2	0.03	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	77	75	--	--	--	--	--	--
Temperature	deg c	--	15	--	--	6.5	6.5	5	11	--	9	10	5
Total Dissolved Solids	mg/l	--	500	--	--	1400	540	1200	1100	--	1100	1300	1300
Total Organic Carbon	mg/l	--	--	--	--	13	13	4.3	3.4	--	6.9	<0.5	1.3
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	--	*0.11*	0.08	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	<0.005	<0.005	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	0.12	0.17	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	<0.01	<0.001	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	0.11	0.16	0.06	<0.05	--	<0.05	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.00008	<0.00008	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--	160	160	130	150	--	110	130	130
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.02	<0.02	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	<0.09	<0.05	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	<0.02	<0.02	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	--	<0.05	<0.05	<0.05	<0.05	--	<0.05	<0.05	<0.05
Lead, Dissolved	mg/l	0.01	--	--	--	<0.0006	<0.0006	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	--	46	52	43	46	--	39	44	47
Manganese, Dissolved	mg/l	--	0.05	--	--	<0.01	0.1	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.04	<0.04	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	<0.03	<0.01	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	--	1.3	2.6	<1	1.3	--	<1	1.1	<1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	<0.02	<0.02	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	170	140	220	210	--	220	230	280
Strontium, Dissolved	mg/l	--	--	--	--	0.58	1.2	0.27	0.55	--	0.22	0.41	0.35
Thallium, Dissolved	mg/l	--	--	--	--	<1	<0.1	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	<0.01	<0.01	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	<0.01	<0.02	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-2S 16-Sep-1999	93-2S 27-Sep-1999	93-2S 28-Sep-1999	93-2S 24-May-2000	93-2S 18-Sep-2000	93-2S 14-May-2001	93-2S 07-Sep-2001
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	--	302	--	315	--	316	--
Ammonia Nitrogen	mg/l	--	--	--	--	<0.05	--	<0.02	--	<0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	18	--	5	--	8	--
Chloride	mg/l	--	250	--	--	659	--	510	--	589	--
Conductivity	uS/cm	--	--	--	1600	1600	--	1700	2100	2050	--
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*504.13*	--	--	*520*	--	*547*	--
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.3	--	<0.19	--	0.06	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.3	--	0.19	--	0.06	--
pH	-	--	--	8.5	7.1	7.1	--	6.6	7.6	7.8	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	7	7	--	12	13	8.5	--
Total Dissolved Solids	mg/l	--	500	--	--	1170	--	1380	--	1420	--
Total Organic Carbon	mg/l	--	--	--	--	1.2	--	2.1	--	1.4	--
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	--	--	0.18	--	<0.01	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	129	--	--	134	--	135	--
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.061	--	--	0.09	--	<0.01	--
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	44.3	--	--	45	--	51	--
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	2	--	--	<1	--	<1	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	282	--	--	281	--	201	--
Strontium, Dissolved	mg/l	--	--	--	0.301	--	--	0.67	--	0.281	--
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-3D 12-Apr-1994	93-3D 20-Sep-1994	93-3D 26-Apr-1995	93-3D 19-Sep-1995	93-3D 09-May-1996	93-3D 09-May-1996 93-3D-FD (Field Duplicate)	93-3D 24-Sep-1996	93-3D 05-May-1997	93-3D 25-Sep-1997
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	190	270	190	220	200	--	220	200	200
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.12	--	<0.06	0.32	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<2	--	<2	--	--
Bromide	mg/l	--	--	--	<0.1	0.11	<0.1	<0.1	<0.1	--	0.11	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	10	9	22	<10	--	<5	14	<5
Chloride	mg/l	--	250	--	3.9	19	7.7	35	12	--	6.9	6	9.2
Conductivity	uS/cm	--	--	--	430	490	460	550	430	--	380	310	420
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.005	--	<0.005	--	--
Fluoride	mg/l	1.5	--	--	0.16	0.1	<0.1	0.13	0.1	--	0.13	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*220*	*270*	*240*	*300*	*260*	--	*300*	*220*	*230*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.05	--	0.22	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	<1	<0.1	--	<0.1	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.2	<0.2	<0.2	<1.1	<0.15	--	<0.32	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.27	<0.7	<0.39	<0.59	*0.5*	--	<0.38	0.09	<0.74
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.27	0.7	0.39	0.59	0.62	--	0.38	0.41	0.74
pH	-	--	--	8.5	7	7.6	7.2	7.6	7.1	--	6.3	7.3	7.6
Phosphate	mg/l	--	--	--	<0.1	<0.1	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	--	--	<1	<1	<0.2	--	--
Sulfate	mg/l	--	500 [9]	--	21	15	18	17	21	--	23	--	--
Temperature	deg c	--	15	--	10	10.5	9	10	7.5	--	5	7	9.5
Total Dissolved Solids	mg/l	--	500	--	250	280	200	290	290	--	300	290	230
Total Organic Carbon	mg/l	--	--	--	3	2.2	2.6	3	13	--	11	2.5	<0.5
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	*0.15*	<0.1	--	<0.1	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	0.008	<0.002	<0.002	<0.002	<0.005	--	<0.005	--	--
Barium, Dissolved	mg/l	1	--	--	0.16	0.12	0.093	0.12	0.08	--	0.08	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	<0.05	0.1	--	0.07	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	0.0004	<0.0002	<0.005	<0.005	<0.00008	--	<0.00008	--	--
Calcium, Dissolved	mg/l	--	--	--	67	83	76	92	84	--	70	70	74
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.02	--	<0.02	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	0.02	<0.09	--	<0.09	--	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.02	--	<0.02	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.15	0.4	0.63	0.76	0.32	--	0.64	0.09	0.23
Lead, Dissolved	mg/l	0.01	--	--	**0.011**	0.003	0.003	0.004	<0.0006	--	<0.0006	--	--
Magnesium, Dissolved	mg/l	--	--	--	12	16	13	17	12	--	10	11	12
Manganese, Dissolved	mg/l	--	0.05	--	0.06	0.08	0.067	0.098	0.09	--	0.07	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.04	--	<0.04	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.03	--	<0.03	--	--
Potassium, Dissolved	mg/l	--	--	--	<2	<2	<2	<2	1.6	--	1.1	<1	1.5
Silicon, Dissolved	mg/l	--	--	--	--	--	5.3	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	0.028	<0.005	<0.02	--	<0.02	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	16	6.5	4	5.9	4.7	--	4.2	6.9	6.6
Strontium, Dissolved	mg/l	--	--	--	0.4	0.5	0.33	0.49	0.35	--	0.3	0.34	0.35
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.002	--	<1	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.01	--	<0.01	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-3D 07-May-1998	93-3D 16-Sep-1998	93-3D 30-Apr-1999	93-3D 16-Sep-1999	93-3D 27-Jan-2000	93-3D 24-May-2000	93-3D 08-May-2001
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	230	200	210	295	--	206	206
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	0.55	--	--	0.03	0.03
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	<4	--	5	19
Chloride	mg/l	--	250	--	5.2	6.2	4.1	244	--	6	5
Conductivity	uS/cm	--	--	--	370	295	420	440	--	345	290
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*230*	*220*	*210*	*249.54*	--	*234*	*215*
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.2	<0.3	*0.35*	--	--	*0.2*	0.11
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.2	0.3	0.9	0.2	--	0.23	0.14
pH	-	--	--	8.5	*8.65*	6.72	7.42	6.8	--	6.9	7.6
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	9.5	7.5	4	5	--	12	9.5
Total Dissolved Solids	mg/l	--	500	--	250	440	270	1010	--	256	256
Total Organic Carbon	mg/l	--	--	--	<0.5	1.8	2.9	2.1	--	2.9	3.2
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	--	--	0.01	<0.01
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	67	70	65	76.2	--	72	68
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.58	0.37	0.55	0.127	--	0.56	0.17
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	16	12	12	14.4	--	13	11
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	<1	<1	1	<1	--	<1	1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	3	5.3	6.6	11.9	--	4	6
Strontium, Dissolved	mg/l	--	--	--	0.51	0.35	0.34	0.361	--	0.344	0.316
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-3S 12-Apr-1994	93-3S 20-Sep-1994	93-3S 25-Apr-1995	93-3S 19-Sep-1995	93-3S 09-May-1996	93-3S 09-May-1996 93-3S-FD (Field Duplicate)	93-3S 24-Sep-1996	93-3S 05-May-1997	93-3S 25-Sep-1997
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	210	250	220	190	220	--	250	250	220
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.06	--	<0.06	<0.1	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	7	<2	--	2.2	--	--
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	0.11	--	--
Chemical Oxygen Demand	mg/l	--	--	--	14	14	33	46	12	--	<5	14	<5
Chloride	mg/l	--	250	--	3.6	2.8	3.6	3.1	4	--	3.5	3.3	4.7
Conductivity	uS/cm	--	--	--	415	400	500	410	420	--	400	215	620
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.005	--	<0.005	--	--
Fluoride	mg/l	1.5	--	--	0.18	0.12	<0.1	<0.1	0.11	--	0.14	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*250*	*230*	*310*	*250*	*265*	--	*220*	*240*	*250*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.05	--	0.35	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.2	<0.2	<0.2	<0.2	<0.15	--	<0.45	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.24	<0.44	<0.1	<1.5	<0.35	--	<0.63	<0.44	<0.11
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.24	0.44	<0.1	1.5	0.35	--	0.63	0.44	0.11
pH	-	--	--	8.5	6.9	6.9	7.5	7.2	7.2	--	5.5	7.6	7.8
Phosphate	mg/l	--	--	--	<0.1	<0.1	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	--	--	<1	<1	<0.2	--	--
Sulfate	mg/l	--	500 [9]	--	17	12	12	13	14	--	19	--	--
Temperature	deg c	--	15	--	8.5	12	8	10	7	--	5	7	11
Total Dissolved Solids	mg/l	--	500	--	260	220	220	240	270	--	280	270	250
Total Organic Carbon	mg/l	--	--	--	2.4	2.1	1.7	2.8	17	--	12	1.6	<0.5
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	<0.05	0.08	<0.1	--	*0.11*	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002	<0.002	<0.005	--	<0.005	--	--
Barium, Dissolved	mg/l	1	--	--	0.13	0.11	0.12	0.099	0.09	--	0.09	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	<0.05	0.12	--	0.11	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	0.0004	<0.0002	<0.005	<0.005	<0.00008	--	<0.00008	--	--
Calcium, Dissolved	mg/l	--	--	--	72	67	90	72	81	--	68	70	74
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.02	--	<0.02	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.09	--	<0.09	--	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.02	--	<0.02	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.06	0.06	<0.05	0.2	0.3	--	0.57	0.89	0.66
Lead, Dissolved	mg/l	0.01	--	--	**0.03**	0.002	0.003	0.003	<0.0006	--	<0.0006	--	--
Magnesium, Dissolved	mg/l	--	--	--	17	16	19	16	15	--	14	15	16
Manganese, Dissolved	mg/l	--	0.05	--	0.05	0.05	0.061	0.054	0.07	--	0.06	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.04	--	<0.04	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.03	--	<0.03	--	--
Potassium, Dissolved	mg/l	--	--	--	<2	<2	<2	<2	1.7	--	1.5	1.4	1.7
Silicon, Dissolved	mg/l	--	--	--	--	--	6.5	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.02	--	<0.02	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	9	6.1	4.1	4	2.8	--	3.5	6.7	3
Strontium, Dissolved	mg/l	--	--	--	0.55	0.5	0.57	0.53	0.48	--	0.43	0.5	0.54
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.002	--	<1	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.01	--	<0.01	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-3S 07-May-1998	93-3S 16-Sep-1998	93-3S 30-Apr-1999	93-3S 16-Sep-1999	93-3S 27-Jan-2000	93-3S 24-May-2000	93-3S 15-Oct-2000	93-3S 08-May-2001
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	260	220	220	220	--	233	--	228
Ammonia Nitrogen	mg/l	--	--	--	0.15	<0.1	0.39	0.05	--	0.06	--	0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	<4	--	5	--	8
Chloride	mg/l	--	250	--	3.3	3.5	3	3.2	--	4	--	5
Conductivity	uS/cm	--	--	--	400	300	300	430	--	370	--	285
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*210*	*250*	*240*	*239.95*	--	*247*	--	*232*
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.22*	<0.32	*0.18*	0.05	--	*0.19*	--	0.08
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.37	0.32	0.57	0.1	--	0.25	--	0.1
pH	-	--	--	8.5	*9.01*	7.05	7.53	7.3	--	6.8	--	7.4
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	10	9	4	6	--	11	--	9.5
Total Dissolved Solids	mg/l	--	500	--	270	230	270	250	--	276	--	264
Total Organic Carbon	mg/l	--	--	--	<0.5	2.3	1.6	1.5	--	2.5	--	1.8
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	--	--	--	<0.01	--	<0.01
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	66	70	69	68.1	--	71	--	68
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.72	0.36	0.38	0.534	--	0.54	--	0.55
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	11	17	17	17	--	17	--	15
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	<1	1.3	1.3	<1	--	<1	--	1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	3	3.1	3.5	6.55	--	4	--	4
Strontium, Dissolved	mg/l	--	--	--	0.33	0.58	0.56	0.502	--	0.525	--	0.504
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-4D 12-Apr-1994	93-4D 20-Sep-1994	93-4D 07-Dec-1994	93-4D 07-Dec-1994 93-4D-FD (Field Duplicate)	93-4D 25-Apr-1995	93-4D 19-Sep-1995	93-4D 23-Nov-1995	93-4D 09-May-1996
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	260	300	300	300	260	300	420	240
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<2
Bromide	mg/l	--	--	--	<0.1	0.12	0.16	0.16	<0.1	0.16	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	7	7	25	25	23	13	25	<10
Chloride	mg/l	--	250	--	150	27	18	18	34	39	34	38
Conductivity	uS/cm	--	--	--	750	600	650	650	700	725	650	660
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	0.13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.08
Hardness, Calcium Carbonate	mg/l	--	--	100	*500*	*360*	*400*	*400*	*380*	*390*	*391*	*325*
Nitrate	mg/l	-- [7]	--	--	0.4	1.4	1.5	1.5	0.98	<0.1	1.7	<0.05
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.5	<1.5	<1.6	<1.6	<1.08	<1.1	<1.8	<0.15
Nitrogen, Organic	mg/l	--	--	0.15	<0.12	<1.5	<0.69	<0.69	<0.1	<0.65	<0.1	<0.31
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.12	1.5	0.69	0.69	<0.1	0.65	<0.1	<0.31
pH	-	--	--	8.5	6.5	7.3	7.3	7.3	7.2	7.3	7.2	7.1
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	--	--	--	<1
Sulfate	mg/l	--	500 [9]	--	33	18	20	20	17	20	20	34
Temperature	deg c	--	15	--	10	9.5	8	8	8.5	9	8	7.5
Total Dissolved Solids	mg/l	--	500	--	500	360	370	370	320	360	410	370
Total Organic Carbon	mg/l	--	--	--	0.75	3	1.8	1.8	1	1.6	5	15
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	0.003	0.003	<0.002	<0.002	<0.005	<0.005
Barium, Dissolved	mg/l	1	--	--	0.07	0.05	0.06	0.06	0.056	0.059	0.017	0.04
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	0.1
Cadmium, Dissolved	mg/l	0.005	--	--	0.0004	<0.0002	0.0002	0.0002	<0.005	<0.005	<0.005	<0.00008
Calcium, Dissolved	mg/l	--	--	--	120	92	100	100	100	100	91	91
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead, Dissolved	mg/l	0.01	--	--	**0.012**	0.007	**0.012**	**0.012**	0.005	0.003	0.0065	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	45	32	35	35	31	34	40	24
Manganese, Dissolved	mg/l	--	0.05	--	<0.007	<0.005	<0.005	<0.005	<0.005	0.007	<0.05	<0.01
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	<2	<2	<2	<2	<2	<2	2.5	1.1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	7.4	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	10	9.4	12	12	11	11	12	6
Strontium, Dissolved	mg/l	--	--	--	0.21	0.15	0.16	0.16	0.15	0.16	0.08	0.12
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-4D 09-May-1996 93-4D-FD (Field Duplicate)	93-4D 24-Sep-1996	93-4D 27-Nov-1996	93-4D 05-May-1997	93-4D 25-Sep-1997	93-4D 07-May-1998	93-4D 16-Sep-1998	93-4D 30-Apr-1999	93-4D 16-Sep-1999
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	--	300	270	260	300	240	290	240	310
Ammonia Nitrogen	mg/l	--	--	--	--	<0.06	<0.1	<0.1	<0.1	<0.1	<0.1	1.3	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	<2	2.1	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	0.12	0.1	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	8	<5	17	<5	<5	<5	<5	<4
Chloride	mg/l	--	250	--	--	37	31	42	31	27	28	35	60
Conductivity	uS/cm	--	--	--	--	590	420	475	540	520	400	410	650
Cyanide	mg/l	0.2	--	--	--	<0.005	<0.005	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	0.15	0.2	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*320*	*750*	*340*	*360*	*310*	*350*	*320*	*406.74*
Nitrate	mg/l	-- [7]	--	--	--	1.6	1.9	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	<0.1	<0.1	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	<1.7	<2	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.59	<0.45	<0.39	<0.24	<0.1	<0.27	0.1	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.59	0.45	0.39	0.24	<0.1	0.27	1.4	<0.05
pH	-	--	--	8.5	--	6.8	7.1	7.4	6.6	8.25	6.98	7.37	7
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<1	<0.2	<0.02	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	28	23	--	--	--	--	--	--
Temperature	deg c	--	15	--	--	4.5	5.5	6	9	10	7.5	4	5
Total Dissolved Solids	mg/l	--	500	--	--	410	530	310	350	340	220	370	410
Total Organic Carbon	mg/l	--	--	--	--	10	7	0.7	<1	<0.5	0.6	1.3	1.2
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.1	0.05	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	<0.005	<0.005	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	0.04	0.3	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	<0.01	<0.001	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	0.1	0.33	<0.05	<0.05	<0.05	<0.05	<0.05	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.00008	<0.00008	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--	88	180	91	95	78	90	79	103
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.02	<0.02	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	<0.09	<0.05	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	<0.02	<0.02	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.005
Lead, Dissolved	mg/l	0.01	--	--	--	<0.0006	<0.0006	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	--	26	72	28	30	27	30	29	36.4
Manganese, Dissolved	mg/l	--	0.05	--	--	<0.01	0.21	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.04	<0.04	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	<0.03	<0.01	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	--	<1	3.8	<1	1.3	<1	<1	<1	<1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	<0.02	<0.02	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	7.9	110	7.6	8.6	7.4	8.8	9	17.4
Strontium, Dissolved	mg/l	--	--	--	--	0.12	5.2	0.14	0.15	0.13	0.16	0.14	0.18
Thallium, Dissolved	mg/l	--	--	--	--	<1	<0.1	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	<0.01	<0.01	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	<0.01	<0.02	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-4D 27-Jan-2000	93-4D 24-May-2000	93-4D 20-Sep-2000	93-4D 08-May-2001	93-4D 07-Sep-2001
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	--	265	--	273	--
Ammonia Nitrogen	mg/l	--	--	--	--	<0.02	--	<0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	<4	--	8	--
Chloride	mg/l	--	250	--	--	37	--	43	--
Conductivity	uS/cm	--	--	--	--	500	490	410	--
Cyanide	mg/l	0.2	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*343*	--	*316*	--
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.23	--	0.15	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.23	--	0.15	--
pH	-	--	--	8.5	--	6.4	6.9	6.9	--
Phosphate	mg/l	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--
Temperature	deg c	--	15	--	--	12	11	8.5	--
Total Dissolved Solids	mg/l	--	500	--	--	404	--	404	--
Total Organic Carbon	mg/l	--	--	--	--	1.9	--	3	--
Metals									
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	0.03	--	<0.01	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--	88	--	82	--
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	--	0.02	--	<0.01	--
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	--	30	--	27	--
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	--	<1	--	<1	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	9	--	8	--
Strontium, Dissolved	mg/l	--	--	--	--	0.143	--	0.142	--
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-4S 10-May-1994	93-4S 20-Sep-1994	93-4S 20-Dec-1994	93-4S 25-Apr-1995	93-4S 20-Sep-1995	93-4S 23-Nov-1995	93-4S 09-May-1996	93-4S 09-May-1996 93-4S-FD (Field Duplicate)	93-4S 26-Sep-1996
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	190	230	220	92	150	58	240	--	230
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06	--	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	4	<3	<3	<3	<2	--	4.1
Bromide	mg/l	--	--	--	<0.1	0.1	0.15	<0.1	<0.1	<0.1	<0.1	--	0.11
Chemical Oxygen Demand	mg/l	--	--	--	52	34	59	26	34	44	24	--	--
Chloride	mg/l	--	250	--	27	12	6.4	15	3.5	32	19	--	10
Conductivity	uS/cm	--	--	--	600	450	575	350	400	325	570	--	470
Cyanide	mg/l	0.2	--	--	0.002	<0.002	<0.002	<0.002	<0.002	0.003	<0.005	--	<0.005
Fluoride	mg/l	1.5	--	--	0.19	0.17	0.11	<0.1	0.18	<0.1	0.12	--	0.22
Hardness, Calcium Carbonate	mg/l	--	--	100	80	100	*200*	*140*	*210*	*140*	*250*	--	*240*
Nitrate	mg/l	-- [7]	--	--	<0.1	0.12	0.25	1.3	0.72	0.39	<0.05	--	0.29
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	--	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.2	<0.22	<0.35	<1.4	<0.82	<1.39	<0.15	--	<0.39
Nitrogen, Organic	mg/l	--	--	0.15	<0.55	<1.1	<2	<0.1	<0.96	<0.26	<0.4	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.55	1.1	2	<0.1	0.96	0.26	0.4	--	--
pH	-	--	--	8.5	7.9	7.9	7.9	7.4	7.5	7.3	6.4	--	6.7
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	0.73	0.8	0.73	--	--	--	<1	<1	0.51
Sulfate	mg/l	--	500 [9]	--	38	30	37	13	20	18	54	--	53
Temperature	deg c	--	15	--	8	9.5	7	7.5	10	8	5	--	6.5
Total Dissolved Solids	mg/l	--	500	--	370	530	400	120	180	210	370	--	370
Total Organic Carbon	mg/l	--	--	--	3.3	5.2	4.1	3.6	3.4	7.4	41	--	11
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	*0.13*	<0.05	*0.12*	*0.15*	*0.18*	--	*4.1*
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--	<0.005
Barium, Dissolved	mg/l	1	--	--	0.07	0.07	0.1	0.058	0.082	0.025	0.09	--	0.04
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01
Boron, Dissolved	mg/l	5	--	--	<0.05	0.15	0.14	<0.05	<0.05	<0.05	0.1	--	0.19
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.0002	<0.0002	<0.005	<0.005	<0.005	<0.00008	--	<0.00008
Calcium, Dissolved	mg/l	--	--	--	24	29	62	45	64	42	80	--	70
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	--	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	--	5.7
Lead, Dissolved	mg/l	0.01	--	--	0.005	**0.013**	**0.015**	0.003	<0.001	0.003	<0.006	--	0.004
Magnesium, Dissolved	mg/l	--	--	--	5.6	6.5	12	7.7	12	8.6	12	--	16
Manganese, Dissolved	mg/l	--	0.05	--	0.02	0.08	0.03	0.011	0.014	<0.05	0.12	--	0.31
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	--	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	--	<0.03
Potassium, Dissolved	mg/l	--	--	--	<2	<2	<2	<2	<2	2.3	2.1	--	3.1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	5.3	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	--	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	62	71	62	18	17	11	28	--	44
Strontium, Dissolved	mg/l	--	--	--	0.3	0.33	0.5	0.23	0.41	0.1	0.37	--	0.38
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	--	<1
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	0.07
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01
Zinc, Dissolved	mg/l	--	5	--	0.04	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	--	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01	--	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-4S 27-Nov-1996	93-4S 05-May-1997	93-4S 25-Sep-1997	93-4S 21-Sep-1998	93-4S 30-Apr-1999	93-4S 21-Sep-1999	93-4S 27-Jan-2000	93-4S 24-May-2000	93-4S 20-Sep-2000	93-4S 08-May-2001
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	260	237	210	230	240	230	--	226	--	225
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.5	0.04	--	<0.02	--	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	3.2	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.1	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	44	10	8	<5	18	17	--	15	--	30
Chloride	mg/l	--	250	--	21	13	14	14	13	16.2	--	10	--	18
Conductivity	uS/cm	--	--	--	440	400	420	330	390	510	--	430	350	360
Cyanide	mg/l	0.2	--	--	<0.005	--	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.26	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*340*	*230*	*200*	*220*	*230*	*219*	--	*213*	--	*184*
Nitrate	mg/l	-- [7]	--	--	0.36	--	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.46	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.68	<0.52	<0.72	<0.17	*0.8*	*0.68*	--	<0.52	--	*0.36*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.68	0.52	0.72	0.17	1.3	0.72	--	0.52	--	0.36
pH	-	--	--	8.5	7.6	7.7	7.7	6.65	7.7	7.4	--	6.4	7.5	7.2
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	1.1	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	59	--	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	4	6	11	12	4	5	--	12	11	8
Total Dissolved Solids	mg/l	--	500	--	520	370	360	300	340	397	--	316	--	316
Total Organic Carbon	mg/l	--	--	--	9	11	5.2	3.1	4.9	3.6	--	6.1	--	11.1
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	0.09	--	--	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.05	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.001	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.14	<0.05	<0.05	<0.05	<0.05	--	--	0.02	--	0.01
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	88	69	63	66	67	63	--	62	--	54
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.05	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.06	0.05	0.08	<0.05	<0.005	--	0.05	--	0.02
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	28	13	12	13	16	15	--	14	--	12
Manganese, Dissolved	mg/l	--	0.05	--	<0.01	--	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	<1	2.3	2.1	1.9	2.5	2	--	2	--	2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	8.4	40	34	33	38	37	--	35	--	36
Strontium, Dissolved	mg/l	--	--	--	0.14	0.44	0.42	0.42	0.49	0.46	--	0.415	--	0.434
Thallium, Dissolved	mg/l	--	--	--	<0.1	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-4S 07-Sep-2001
General Chemistry					
Alkalinity as CaCO3	mg/l	--	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--
Bromide	mg/l	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--
Chloride	mg/l	--	250	--	--
Conductivity	uS/cm	--	--	--	--
Cyanide	mg/l	0.2	--	--	--
Fluoride	mg/l	1.5	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--
Nitrate	mg/l	-- [7]	--	--	--
Nitrite	mg/l	-- [8]	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--
pH	-	--	--	8.5	--
Phosphate	mg/l	--	--	--	--
Phosphorus	mg/l	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--
Temperature	deg c	--	15	--	--
Total Dissolved Solids	mg/l	--	500	--	--
Total Organic Carbon	mg/l	--	--	--	--
Metals					
Aluminum, Dissolved	mg/l	--	--	0.1	--
Arsenic, Dissolved	mg/l	0.025	--	--	--
Barium, Dissolved	mg/l	1	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--
Cadmium, Dissolved	mg/l	0.005	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--
Chromium, Dissolved	mg/l	0.05	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--
Iron, Dissolved	mg/l	--	0.3	--	--
Lead, Dissolved	mg/l	0.01	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	--
Manganese, Dissolved	mg/l	--	0.05	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	--
Silicon, Dissolved	mg/l	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--
Strontium, Dissolved	mg/l	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--
Zirconium, Dissolved	mg/l	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-5D 13-Apr-1994	93-5D 20-Sep-1994	93-5D 06-Dec-1994	93-5D 26-Apr-1995	93-5D 19-Sep-1995	93-5D 23-Nov-1995	93-5D 09-May-1996	93-5D 09-May-1996 93-5D-FD (Field Duplicate)	93-5D 24-Sep-1996
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	350	560	370	400	490	460	370	--	460
Ammonia Nitrogen	mg/l	--	--	--	0.49	1.8	0.72	0.51	2.7	2.3	0.42	--	1.7
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	4	<3	<3	<3	<2	--	<2
Bromide	mg/l	--	--	--	0.17	0.36	0.27	0.17	<0.1	<0.1	<0.1	--	0.36
Chemical Oxygen Demand	mg/l	--	--	--	19	19	<5	8	41	46	<10	--	<5
Chloride	mg/l	--	250	--	41	29	17	39	390	21	23	--	27
Conductivity	uS/cm	--	--	--	950	950	875	1000	900	850	860	--	860
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	--	<0.005
Fluoride	mg/l	1.5	--	--	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	0.09	--	0.15
Hardness, Calcium Carbonate	mg/l	--	--	100	*480*	*510*	*490*	*480*	*510*	*510*	*458*	--	*420*
Nitrate	mg/l	-- [7]	--	--	1.1	0.12	0.83	0.37	<0.1	0.74	<0.05	--	0.34
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	--	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<1.2	<0.22	<0.93	<0.47	<1.1	<0.84	<0.15	--	<0.44
Nitrogen, Organic	mg/l	--	--	0.15	0.13	*0.9*	*0.17*	*1.79*	*0.8*	*1.7*	*0.63*	--	*0.5*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.62	2.7	0.89	2.3	3.5	4	1.05	--	2.2
pH	-	--	--	8.5	6.7	7	7.1	7	7	7.1	6.9	--	7.8
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	--	--	--	<1	<1	<0.2
Sulfate	mg/l	--	500 [9]	--	84	37	50	54	360	52	63	--	66
Temperature	deg c	--	15	--	9.5	9.5	7	9	11	9	5	--	4.5
Total Dissolved Solids	mg/l	--	500	--	500	580	520	440	480	560	560	--	570
Total Organic Carbon	mg/l	--	--	--	3.8	7.3	4	4.2	6.7	10	23	--	11
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.1	--	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--	<0.005
Barium, Dissolved	mg/l	1	--	--	0.15	0.17	0.13	0.12	0.18	0.093	0.1	--	0.15
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01
Boron, Dissolved	mg/l	5	--	--	0.06	0.21	0.12	0.11	0.42	0.22	0.14	--	0.38
Cadmium, Dissolved	mg/l	0.005	--	--	0.0004	0.0003	<0.0002	<0.005	<0.005	<0.005	<0.00008	--	<0.00008
Calcium, Dissolved	mg/l	--	--	--	130	150	130	140	150	140	132	--	140
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	--	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.16	<0.05	<0.05	0.19	<0.05	0.1	--	0.25
Lead, Dissolved	mg/l	0.01	--	--	**0.011**	**0.014**	**0.017**	0.01	0.01	**0.012**	<0.0006	--	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	38	34	38	33	34	39	31	--	32
Manganese, Dissolved	mg/l	--	0.05	--	1.2	2.5	1.5	1.9	2.6	1.6	1.2	--	2
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	--	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	--	<0.03
Potassium, Dissolved	mg/l	--	--	--	2.6	5.5	2.8	3.5	6.5	4.5	3.2	--	4.6
Silicon, Dissolved	mg/l	--	--	--	--	--	--	8.2	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	0.008	<0.005	<0.005	<0.005	<0.02	--	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	22	35	21	27	31	21	14	--	26
Strontium, Dissolved	mg/l	--	--	--	0.66	1.21	0.77	0.78	1.2	0.73	0.56	--	1
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	--	<1
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01	--	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-5D 27-Nov-1996	93-5D 05-May-1997	93-5D 25-Sep-1997	93-5D 06-May-1998	93-5D 21-Sep-1998	93-5D 21-Sep-1998 93-5D-FD (Field Duplicate)	93-5D 27-Apr-1999	93-5D 21-Sep-1999	93-5D 26-May-2000
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	420	370	440	370	460	--	410	372	390
Ammonia Nitrogen	mg/l	--	--	--	1.2	0.26	2.2	0.65	1.4	--	0.71	1.23	0.66
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	3.3	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.29	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	23	11	<5	36	--	<5	<4	12
Chloride	mg/l	--	250	--	24	25	28	21	27	--	31	39.9	20
Conductivity	uS/cm	--	--	--	600	650	840	840	620	--	640	740	520
Cyanide	mg/l	0.2	--	--	<0.005	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.2	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*510*	*430*	*450*	*430*	*460*	--	*440*	*389.8*	*439*
Nitrate	mg/l	-- [7]	--	--	0.49	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.59	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.5*	*0.52*	*0.6*	*0.33*	--	--	*0.27*	0.1	*0.41*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.7	0.78	2.8	0.98	1.4	--	0.98	1.33	1.07
pH	-	--	--	8.5	7.3	7.1	6.6	7.31	6.43	--	7.42	7	6.4
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	65	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	4	6	10	8	9	--	5	3.5	10
Total Dissolved Solids	mg/l	--	500	--	1200	540	560	500	530	--	540	508	492
Total Organic Carbon	mg/l	--	--	--	9	5.2	5.2	2.6	6	--	5	3.1	4.3
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	0.08	--	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.16	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.001	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.18	0.13	0.3	0.24	0.32	--	0.2	--	0.21
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	130	120	130	130	130	--	120	110	118
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.05	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	0.12	1.1	0.08	--	0.25	0.34	0.04
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	45	33	31	30	33	--	34	28	35
Manganese, Dissolved	mg/l	--	0.05	--	0.09	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	8.7	16	5.3	3.9	3.6	--	3.1	3	2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	31	16	29	24	27	--	23	31	21
Strontium, Dissolved	mg/l	--	--	--	2.6	0.5	1	1	0.94	--	0.7	0.87	0.639
Thallium, Dissolved	mg/l	--	--	--	<0.1	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-5D 26-May-2000 93-5D-FD (Field Duplicate)	93-5D 20-Sep-2000	93-5D 09-May-2001	93-5D 07-Sep-2001
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	396	393	368	408
Ammonia Nitrogen	mg/l	--	--	--	0.66	1.03	0.17	0.67
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	13	16	11	24
Chloride	mg/l	--	250	--	24	22	21	24
Conductivity	uS/cm	--	--	--	--	600	500	--
Cyanide	mg/l	0.2	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*433*	*386*	*364*	*392*
Nitrate	mg/l	-- [7]	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.47*	--	*0.26*	*0.24*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.13	1.26	0.43	0.91
pH	-	--	--	8.5	--	6.7	6.5	--
Phosphate	mg/l	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--
Temperature	deg c	--	15	--	--	11	7	--
Total Dissolved Solids	mg/l	--	500	--	500	468	480	524
Total Organic Carbon	mg/l	--	--	--	4.6	4.6	5.5	5.4
Metals								
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.21	0.26	0.29	0.31
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	119	110	101	109
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.05	0.71	0.24	0.04
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	33	27	27	29
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	3	4	4	3
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	25	27	27	30
Strontium, Dissolved	mg/l	--	--	--	0.661	0.932	0.913	0.873
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-5S 12-Apr-1994	93-5S 12-Apr-1994 93-5S-FD (Field Duplicate)	93-5S 20-Sep-1994	93-5S 07-Dec-1994	93-5S 26-Apr-1995	93-5S 19-Sep-1995	93-5S 19-Sep-1995 93-5S-FD (Field Duplicate)	93-5S 19-Sep-1995 93-5S-FD (Field Duplicate)
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	330	330	620	370	400	530	550	560
Ammonia Nitrogen	mg/l	--	--	--	0.3	0.28	2.5	0.67	0.4	3.5	3.5	3.8
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.19	0.19	0.42	0.28	0.14	0.54	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	15	<5	27	25	<5	15	55	42
Chloride	mg/l	--	250	--	39	42	32	17	41	30	31	29
Conductivity	uS/cm	--	--	--	850	850	925	825	1000	900	1000	1000
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Fluoride	mg/l	1.5	--	--	0.14	0.13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*520*	*500*	*520*	*500*	*490*	*510*	*520*	*510*
Nitrate	mg/l	-- [7]	--	--	1.4	1.5	0.18	0.84	0.86	<0.1	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<1	<1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<1.5	<1.6	<0.28	<0.94	<0.96	<1.1	<1.1	<1.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.35*	*0.41*	*0.3*	<0.1	*1.1*	*0.8*	*0.6*	*0.4*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.65	0.69	2.8	0.67	1.5	4.3	4.1	4.2
pH	-	--	--	8.5	6.1	6.1	6.7	7	7	6.9	6.8	6.8
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	0.14	<0.1	<0.1	<0.1	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	85	85	36	48	53	29	31	29
Temperature	deg c	--	15	--	8.5	8.5	10	7	8.5	10	10	10
Total Dissolved Solids	mg/l	--	500	--	530	530	590	520	460	560	580	550
Total Organic Carbon	mg/l	--	--	--	2.5	3	7	3.9	3.3	8.6	8.1	7.9
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	0.09	0.09
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Barium, Dissolved	mg/l	1	--	--	0.12	0.11	0.17	0.12	0.1	0.18	0.18	0.18
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	<0.05	0.06	0.18	0.09	<0.05	0.39	0.4	0.39
Cadmium, Dissolved	mg/l	0.005	--	--	0.0004	0.0004	0.0002	<0.0002	<0.005	<0.005	<0.005	<0.005
Calcium, Dissolved	mg/l	--	--	--	140	130	150	140	130	150	150	150
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	0.07	<0.05	0.05	0.19	0.21	0.19
Lead, Dissolved	mg/l	0.01	--	--	0.003	0.003	**0.013**	**0.017**	0.009	0.0095	0.0085	0.0035
Magnesium, Dissolved	mg/l	--	--	--	43	42	36	40	37	34	35	34
Manganese, Dissolved	mg/l	--	0.05	--	0.8	0.87	2.53	1.2	1.1	2.5	2.6	2.5
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	3	3	5.7	<2	<2	6	6.2	6.3
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	9.8	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	14	15	26	17	20	29	29	29
Strontium, Dissolved	mg/l	--	--	--	0.47	0.47	1.1	0.6	0.53	1.1	1.1	1.1
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-5S 22-Nov-1995	93-5S 09-May-1996	93-5S 09-May-1996 93-5S-FD (Field Duplicate)	93-5S 24-Sep-1996	93-5S 27-Nov-1996	93-5S 05-May-1997	93-5S 25-Sep-1997	93-5S 06-May-1998	93-5S 21-Sep-1998
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	450	390	--	450	380	350	460	360	470
Ammonia Nitrogen	mg/l	--	--	--	0.88	0.78	--	1.6	0.74	0.42	2.3	0.43	1.2
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<2	--	<2	2.4	--	--	--	--
Bromide	mg/l	--	--	--	0.27	<0.1	--	0.35	0.22	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	31	12	--	<5	<5	14	5	7	28
Chloride	mg/l	--	250	--	23	24	--	26	21	22	28	19	27
Conductivity	uS/cm	--	--	--	800	880	--	840	550	680	820	800	600
Cyanide	mg/l	0.2	--	--	0.002	<0.005	--	<0.005	<0.005	--	--	--	--
Fluoride	mg/l	1.5	--	--	<0.1	0.1	--	0.14	0.18	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*481*	*463*	--	*450*	*450*	*430*	*450*	*430*	*460*
Nitrate	mg/l	-- [7]	--	--	0.84	<0.05	--	0.45	0.59	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	<1	<0.1	--	<0.1	<0.1	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<1.84	<0.15	--	<0.55	<0.69	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	0.05	*0.62*	--	*0.4*	*0.46*	*0.48*	*0.8*	*0.23*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.93	1.4	--	2	1.24	0.9	3.1	0.66	1.2
pH	-	--	--	8.5	7	6.9	--	7.6	6.9	6.8	6.8	7.1	6.38
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	<1	<1	<0.2	<0.02	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	51	78	--	65	68	--	--	--	--
Temperature	deg c	--	15	--	8	4.5	--	4.5	5.5	6	9.5	7.5	8
Total Dissolved Solids	mg/l	--	500	--	520	560	--	580	1200	510	530	510	530
Total Organic Carbon	mg/l	--	--	--	11	24	--	11	6	6.9	4.3	2.6	6.4
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	0.05	<0.1	--	0.1	0.06	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	<0.005	--	<0.005	<0.005	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.13	0.1	--	0.12	0.13	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.01	--	<0.01	<0.001	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.21	0.14	--	0.3	0.31	0.14	0.28	0.11	0.33
Cadmium, Dissolved	mg/l	0.005	--	--	<0.005	<0.00008	--	<0.00008	<0.00008	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	130	133	--	120	130	120	130	120	130
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.02	--	<0.02	<0.02	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.09	--	<0.09	<0.05	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.02	--	<0.02	<0.02	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.13	0.38	--	0.14	<0.05	0.55	0.51	0.25	0.65
Lead, Dissolved	mg/l	0.01	--	--	0.005	<0.0006	--	<0.0006	<0.0006	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	38	32	--	30	31	31	31	32	32
Manganese, Dissolved	mg/l	--	0.05	--	1.4	1.3	--	1.5	0.23	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.04	--	<0.04	<0.02	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.03	--	<0.03	<0.01	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	3.8	3.4	--	3.4	3.7	2.2	5.3	2.2	3.5
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.02	--	<0.02	<0.01	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	20	12	--	18	24	14	25	13	27
Strontium, Dissolved	mg/l	--	--	--	0.71	0.46	--	0.68	0.95	0.49	0.96	0.4	0.82
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.002	--	<1	<0.1	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.01	--	<0.01	<0.01	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.01	--	<0.01	<0.01	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	--	<0.01	<0.01	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.01	--	<0.01	<0.02	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-5S 21-Sep-1998 93-5S-FD (Field Duplicate)	93-5S 27-Apr-1999	93-5S 21-Sep-1999	93-5S 25-May-2000	93-5S 25-May-2000 93-5S-FD (Field Duplicate)	93-5S 18-Sep-2000	93-5S 09-May-2001	93-5S 07-Sep-2001
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	--	370	361	391	391	379	420	368
Ammonia Nitrogen	mg/l	--	--	--	--	0.45	1.38	0.62	0.76	1.9	0.83	1.18
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	6	10	10	9	11	14	27
Chloride	mg/l	--	250	--	--	33	39.8	20	20	19	23	29
Conductivity	uS/cm	--	--	--	--	620	710	520	--	600	550	--
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*440*	*360.7*	*429*	*439*	*340*	*462*	*364*
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.25*	0.08	*0.23*	--	--	*0.29*	*0.22*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.7	1.46	0.85	0.73	2.02	1.12	1.4
pH	-	--	--	8.5	--	7.2	7	6.5	--	7.1	6.4	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	--	4	2.5	12	--	11	9	--
Total Dissolved Solids	mg/l	--	500	--	--	480	486	476	--	452	528	484
Total Organic Carbon	mg/l	--	--	--	--	3	3.1	4.2	4.4	5	5.5	4.7
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	0.13	--	0.19	0.19	0.26	0.3	0.21
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--	120	100	114	118	95	132	101
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	--	0.13	0.32	0.15	0.16	0.71	0.37	0.79
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	--	35	27	35	35	25	32	27
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	1.07	1.08	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	--	2.6	3	3	2	4	3	4
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	16	21	--	20	19	28	23
Strontium, Dissolved	mg/l	--	--	--	--	0.4	0.78	0.501	0.502	0.777	0.722	1.02
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-5S 07-Sep-2001 93-5S-FD (Field Duplicate)
General Chemistry					
Alkalinity as CaCO3	mg/l	--	--	--	363
Ammonia Nitrogen	mg/l	--	--	--	1.19
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--
Bromide	mg/l	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	8
Chloride	mg/l	--	250	--	30
Conductivity	uS/cm	--	--	--	--
Cyanide	mg/l	0.2	--	--	--
Fluoride	mg/l	1.5	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*359*
Nitrate	mg/l	-- [7]	--	--	--
Nitrite	mg/l	-- [8]	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.24*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.43
pH	-	--	--	8.5	--
Phosphate	mg/l	--	--	--	--
Phosphorus	mg/l	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--
Temperature	deg c	--	15	--	--
Total Dissolved Solids	mg/l	--	500	--	496
Total Organic Carbon	mg/l	--	--	--	4.3
Metals					
Aluminum, Dissolved	mg/l	--	--	0.1	--
Arsenic, Dissolved	mg/l	0.025	--	--	--
Barium, Dissolved	mg/l	1	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.21
Cadmium, Dissolved	mg/l	0.005	--	--	--
Calcium, Dissolved	mg/l	--	--	--	104
Chromium, Dissolved	mg/l	0.05	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.76
Lead, Dissolved	mg/l	0.01	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	24
Manganese, Dissolved	mg/l	--	0.05	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	4
Silicon, Dissolved	mg/l	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	19
Strontium, Dissolved	mg/l	--	--	--	0.998
Thallium, Dissolved	mg/l	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--
Zirconium, Dissolved	mg/l	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-6 20-May-1993	93-6 30-Aug-1993	93-6 24-Nov-1993	93-6 24-Apr-1995	93-6 08-May-1996	93-6 26-Sep-1996	93-6 05-May-1997	93-6 30-Sep-1997	93-6 11-May-1998	93-6 21-Sep-1998
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	680	550	470	400	470	460	520	380	460	390
Ammonia Nitrogen	mg/l	--	--	--	3.6	2.9	3.9	2	2.97	2.8	3.2	1.3	2.5	1.2
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	7	3	<3	<3	<2	2.4	--	--	--	--
Bromide	mg/l	--	--	--	<0.1	<0.1	0.11	<0.1	<0.1	0.15	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	100	31	25	<5	<10	7	27	<5	17	30
Chloride	mg/l	--	250	--	17	8	9.2	3.1	3.8	4.3	4.9	2.8	5.1	2.9
Conductivity	uS/cm	--	--	--	1100	800	825	800	920	700	710	580	830	610
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--	--	--	--
Fluoride	mg/l	1.5	--	--	<0.1	<0.1	<0.1	<0.1	0.1	0.15	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*230*	*680*	*560*	*390*	*490*	*410*	*450*	*420*	*460*	*390*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	0.13	<0.05	0.28	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	0.007	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.107	<0.2	<0.2	<0.23	<0.15	<0.38	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.8*	*1.2*	<0.1	<0.1	*0.61*	*1*	*1*	*2.4*	*1*	0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	4.4	4.1	3.1	2	3.58	3.8	4.2	3.7	3.5	1.3
pH	-	--	--	8.5	7	6.6	6.9	6.8	6.4	6.6	6.8	7.1	6.95	7.1
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	0.68	0.42	0.41	--	<0.2	<0.2	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	72	61	39	27	51	50	--	--	--	--
Temperature	deg c	--	15	--	7.5	15	8	5.5	3	9	4	12	8	9
Total Dissolved Solids	mg/l	--	500	--	960	550	480	530	540	520	550	420	470	390
Total Organic Carbon	mg/l	--	--	--	9.1	7.1	6.9	3.5	28	10	7.8	<0.5	10.3	3.5
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	*0.34*	0.05	0.07	0.05	<0.1	<0.1	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	0.0011	0.004	<0.002	<0.002	<0.005	<0.005	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.02	0.39	0.47	0.3	0.55	0.44	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	0.006	<0.005	<0.01	<0.01	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.29	0.07	0.1	<0.05	<0.05	0.19	<0.05	<0.05	<0.05	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	0.0003	<0.005	0.00027	<0.005	<0.00008	<0.00008	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	59	200	170	110	141	130	130	120	130	110
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	0.07	0.02	<0.09	<0.09	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	0.02	<0.01	<0.01	<0.01	<0.02	<0.02	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.1	4.1	0.46	4.8	0.76	11	12	3.9	15	6.2
Lead, Dissolved	mg/l	0.01	--	--	**0.023**	<0.01	<0.001	0.008	<0.0006	<0.0006	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	21	43	35	28	40	31	30	30	32	29
Manganese, Dissolved	mg/l	--	0.05	--	0.02	8.1	8.01	4.4	6	4.6	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	0.05	0.13	0.03	0.08	<0.03	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	<2	3.8	3	<2	4.5	4.1	3.1	2	3.7	2.7
Silicon, Dissolved	mg/l	--	--	--	--	--	--	3.8	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.02	<0.02	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	4	15	13	13	22	14	14	5.3	16	5.5
Strontium, Dissolved	mg/l	--	--	--	0.05	<0.01	0.24	0.15	0.25	0.21	0.23	0.14	0.22	0.18
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.002	<1	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	0.01	<0.005	<0.01	<0.01	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-6 04-May-1999	93-6 23-May-2000	93-6 09-May-2001
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	420	509	496
Ammonia Nitrogen	mg/l	--	--	--	2.9	2.78	2.45
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	20	17
Chloride	mg/l	--	250	--	3.5	5	7
Conductivity	uS/cm	--	--	--	680	625	700
Cyanide	mg/l	0.2	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*420*	*503*	*495*
Nitrate	mg/l	-- [7]	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.2*	--	*0.68*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	3.1	2.78	3.13
pH	-	--	--	8.5	6.85	6.6	6.8
Phosphate	mg/l	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--
Temperature	deg c	--	15	--	3.5	7	9
Total Dissolved Solids	mg/l	--	500	--	460	560	584
Total Organic Carbon	mg/l	--	--	--	5	5.6	5.5
Metals							
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.04	<0.01
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	120	147	147
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	9.7	14	23.9
Lead, Dissolved	mg/l	0.01	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	29	33	31
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	3.3	4	3
Silicon, Dissolved	mg/l	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	11	12	18
Strontium, Dissolved	mg/l	--	--	--	0.22	0.266	0.297
Thallium, Dissolved	mg/l	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-7 20-May-1993	93-7 30-Aug-1993	93-7 30-Aug-1993 93-7-FD (Field Duplicate)	93-7 24-Nov-1993	93-7 23-Sep-1994	93-7 24-Apr-1995	93-7 08-May-1996	93-7 26-Sep-1996	93-7 05-May-1997
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	2700	730	760	340	390	200	240	390	220
Ammonia Nitrogen	mg/l	--	--	--	0.17	0.37	0.41	<0.1	<0.1	<0.1	0.16	<0.06	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	4	3	3	<3	<3	<3	<2	2.4	--
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.17	<0.1	<0.1	0.12	--
Chemical Oxygen Demand	mg/l	--	--	--	190	53	37	31	6	39	<10	<5	16
Chloride	mg/l	--	250	--	1	6.5	5.7	1.2	8.4	1.8	1.5	2.8	4.2
Conductivity	uS/cm	--	--	--	400	725	725	650	700	420	590	490	250
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--
Fluoride	mg/l	1.5	--	--	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.07	0.16	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*260*	*580*	*590*	*370*	*440*	*250*	*260*	*350*	*220*
Nitrate	mg/l	-- [7]	--	--	0.13	1	1.1	0.25	<0.1	0.31	<0.05	1.1	--
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.135	<1.1	<1.2	<0.35	<0.2	<0.41	<0.15	<1.2	--
Nitrogen, Organic	mg/l	--	--	0.15	*3.83*	*0.83*	*0.9*	<0.33	<0.39	<0.33	*0.51*	<0.7	<0.26
Nitrogen, Total Kjeldahl	mg/l	--	--	--	4	1.2	1.3	0.33	0.39	0.33	0.67	0.7	0.26
pH	-	--	--	8.5	6.9	6.7	6.7	7.2	6.7	7.1	6.7	6.9	7.6
Phosphate	mg/l	--	--	--	1.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	2.1	1.1	1.2	0.72	<0.1	--	<0.2	<0.2	--
Sulfate	mg/l	--	500 [9]	--	5.1	25	26	21	8.5	10	11	44	--
Temperature	deg c	--	15	--	7	14	14	10	10.5	6	3.5	9	5
Total Dissolved Solids	mg/l	--	500	--	690	450	460	310	630	560	260	420	270
Total Organic Carbon	mg/l	--	--	--	4.3	3.9	4.6	1.9	3.4	1.9	10	7	0.7
Turbidity	ntu	--	5 [11]	-- [12]	--	55	30	--	--	--	--	--	--
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	0.07	<0.05	<0.05	<0.05	<0.1	*0.11*	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.0005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--
Barium, Dissolved	mg/l	1	--	--	0.03	0.041	0.033	0.012	0.04	0.01	0.01	0.02	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.05	0.05	<0.05	<0.05	>0.05	<0.05	0.19	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.005	<0.005	0.00021	0.0005	<0.005	<0.00008	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	66	150	150	99	110	63	66	99	56
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.06	<0.05	<0.05	0.43	<0.05	0.05	0.4	0.06
Lead, Dissolved	mg/l	0.01	--	--	**0.013**	<0.01	<0.01	<0.001	**0.011**	0.004	<0.0006	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	23	48	49	30	37	22	23	33	19
Manganese, Dissolved	mg/l	--	0.05	--	0.33	0.55	0.49	0.019	2.3	0.013	0.2	0.55	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	<2	<2	<2	<2	<2	<2	<1	<1	<1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	0.64	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.02	<0.02	--
Sodium, Dissolved	mg/l	--	200 [10]	--	6	6.5	5.9	2.4	16	3.4	5.2	9.6	2.1
Strontium, Dissolved	mg/l	--	--	--	0.08	<0.01	<0.01	0.04	0.1	0.028	0.05	0.07	0.05
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	<1	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.01	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-7 30-Sep-1997	93-7 11-May-1998	93-7 21-Sep-1998	93-7 04-May-1999	93-7 23-May-2000	93-7 09-May-2001	93-7 09-May-2001 93-7-FD (Field Duplicate)
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	430	250	400	230	272	269	264
Ammonia Nitrogen	mg/l	--	--	--	<0.1	0.17	<0.1	0.65	0.06	0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	10	7	30	<5	10	6	<5
Chloride	mg/l	--	250	--	2.6	2.1	3	1	2	2	2
Conductivity	uS/cm	--	--	--	600	460	600	355	430	510	--
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*440*	*270*	*390*	*230*	*275*	*266*	*264*
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.59	*0.21*	<0.48	--	*0.18*	0.12	0.13
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.59	0.38	0.48	0.65	0.24	0.14	0.13
pH	-	--	--	8.5	6.7	7.26	7.2	7.25	6.5	6.6	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	13	6	8	6	11	9	--
Total Dissolved Solids	mg/l	--	500	--	460	260	400	220	292	304	312
Total Organic Carbon	mg/l	--	--	--	<0.5	2.6	2.2	2.1	1.9	1.9	2
Turbidity	ntu	--	5 [11]	-- [12]	--	--	--	--	--	--	--
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.01
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	120	68	100	55	69	67	66
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.2	0.35	<0.05	0.04	0.08	0.07
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	33	25	35	23	25	24	24
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	<1	1	1.5	<1	<1	<1	<1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	7.9	2.2	5.7	2.1	4	4	3
Strontium, Dissolved	mg/l	--	--	--	0.08	0.04	0.28	0.04	0.051	0.053	0.055
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-8D 13-Apr-1994	93-8D 13-Apr-1994 93-8D-FD (Field Duplicate)	93-8D 23-Sep-1994	93-8D 07-Dec-1994	93-8D 25-Apr-1995	93-8D 19-Sep-1995	93-8D 23-Nov-1995	93-8D 09-May-1996
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	200	210	220	230	240	280	290	230
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	3	<3	<3	<3	<2
Bromide	mg/l	--	--	--	<0.1	0.12	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	18	7	<5	28	42	26	30	<10
Chloride	mg/l	--	250	--	310	320	350	280	520	370	490	<0.2
Conductivity	uS/cm	--	--	--	2000	2000	1500	1700	2200	2000	1900	1800
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	0.012	<0.002	<0.002	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	1	0.75	0.5	0.51	0.49	<0.1	0.6	0.98
Hardness, Calcium Carbonate	mg/l	--	--	100	*680*	*580*	*520*	*530*	*650*	*590*	*597*	*562*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<1	<0.1	<0.1	<1	<1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.2	<0.2	<1.1	<0.2	<0.2	<1.1	<1.1	<0.15
Nitrogen, Organic	mg/l	--	--	0.15	<0.35	<0.37	<1.4	<0.3	<0.1	<0.92	<0.22	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.35	0.37	1.4	0.3	<0.1	0.92	0.22	0.1
pH	-	--	--	8.5	7	7	7.6	7.5	7.4	7.6	7.7	7.2
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	--	--	--	<1
Sulfate	mg/l	--	500 [9]	--	110	98	68	70	65	72	80	<0.2
Temperature	deg c	--	15	--	7.5	7.5	11	7	8.5	11	9	6
Total Dissolved Solids	mg/l	--	500	--	1000	1000	1100	1100	1100	1100	1200	1130
Total Organic Carbon	mg/l	--	--	--	2	2.3	1.8	3.2	1.6	1.7	6.5	4.7
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005
Barium, Dissolved	mg/l	1	--	--	0.31	0.31	0.25	0.26	0.31	0.28	0.26	0.22
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	0.93	0.92	0.1	0.98	1	0.95	0.88	1.1
Cadmium, Dissolved	mg/l	0.005	--	--	0.0004	0.0004	0.0005	<0.0002	<0.005	<0.005	<0.005	<0.00008
Calcium, Dissolved	mg/l	--	--	--	130	130	120	130	160	140	140	144
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead, Dissolved	mg/l	0.01	--	--	**0.024**	**0.026**	**0.037**	**0.046**	**0.028**	**0.03**	**0.029**	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	60	60	52	52	61	58	60	49
Manganese, Dissolved	mg/l	--	0.05	--	0.096	0.097	0.09	0.1	0.098	0.11	0.064	0.14
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	4.3	4.5	3.9	3.1	2.3	4.2	4.7	3.2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	11	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	150	150	160	160	210	160	170	126
Strontium, Dissolved	mg/l	--	--	--	5.8	5.8	5.3	5.2	6.6	6	6	5
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-8D 09-May-1996 93-8D-FD (Field Duplicate)	93-8D 24-Sep-1996	93-8D 27-Nov-1996	93-8D 05-May-1997	93-8D 24-Sep-1997	93-8D 02-Dec-1997	93-8D 06-May-1998	93-8D 17-Sep-1998	93-8D 29-Apr-1999
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	--	250	230	220	240	--	220	230	220
Ammonia Nitrogen	mg/l	--	--	--	--	0.09	<0.1	<0.1	<0.1	--	0.14	0.27	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	<2	2.7	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	0.18	0.16	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	8	<5	<5	<5	--	<5	39	--
Chloride	mg/l	--	250	--	--	430	440	410	400	--	420	450	470
Conductivity	uS/cm	--	--	--	--	1800	1300	1500	1900	--	1650	1300	1600
Cyanide	mg/l	0.2	--	--	--	<0.005	<0.005	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	0.75	0.58	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*560*	*420*	*530*	*540*	--	*580*	*590*	*610*
Nitrate	mg/l	-- [7]	--	--	--	<0.05	0.36	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	<0.5	<0.1	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	<0.55	<0.46	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.49*	<0.38	<0.22	<0.42	--	*0.39*	0.06	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.58	0.38	0.22	0.42	--	0.53	0.33	--
pH	-	--	--	8.5	--	7	7.5	7.7	7.4	--	7.75	7.04	7.6
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<1	<0.2	<0.02	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	120	110	--	--	--	--	--	--
Temperature	deg c	--	15	--	--	5	6	6.5	9	--	9	7.5	4
Total Dissolved Solids	mg/l	--	500	--	--	1200	680	1100	1100	--	1200	1400	1400
Total Organic Carbon	mg/l	--	--	--	--	6	5	6.9	6.9	--	<0.5	1.3	1.8
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	--	<0.1	0.09	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	<0.005	<0.005	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	0.27	0.12	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	<0.01	<0.001	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	1.1	0.23	1.1	1.1	--	0.97	0.9	0.96
Cadmium, Dissolved	mg/l	0.005	--	--	--	<0.00008	<0.00008	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--	140	120	130	130	--	140	140	140
Chromium, Dissolved	mg/l	0.05	--	--	--	<0.02	<0.02	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	<0.09	<0.05	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	<0.02	<0.02	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	--	0.07	0.13	0.18	0.11	--	0.15	0.15	0.34
Lead, Dissolved	mg/l	0.01	--	--	--	<0.0006	<0.0006	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	--	54	28	51	52	--	55	59	62
Manganese, Dissolved	mg/l	--	0.05	--	--	0.15	1.7	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	<0.04	<0.02	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	<0.03	<0.01	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	--	3.5	2.7	3.3	3.6	--	4	3.6	4.4
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	<0.02	<0.01	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	170	34	150	160	--	160	180	200
Strontium, Dissolved	mg/l	--	--	--	--	5.4	0.67	5.5	5.5	--	5.9	6.1	6.5
Thallium, Dissolved	mg/l	--	--	--	--	<1	<0.1	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	<0.01	<0.01	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	<0.01	<0.02	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-8D 23-Sep-1999	93-8D 31-May-2000	93-8D 31-May-2000 93-8D-FD (Field Duplicate)	93-8D 21-Sep-2000	93-8D 08-May-2001	93-8D 07-Sep-2001
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	229	229	233	--	233	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	0.16	--	--	0.51	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	22	29	24	--	19	--
Chloride	mg/l	--	250	--	583	600	583	--	553	--
Conductivity	uS/cm	--	--	--	1550	1300	--	2000	1650	--
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*643.26*	*697*	*653*	--	*627*	--
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	220	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.2	--	--	--	*0.34*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.2	0.16	0.15	--	0.85	--
pH	-	--	--	8.5	7.2	6.8	--	7.5	7.8	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	5	9.5	--	9	7.5	--
Total Dissolved Solids	mg/l	--	500	--	1450	1470	1420	--	1390	--
Total Organic Carbon	mg/l	--	--	--	1.5	6.2	3	--	18.3	--
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	--	0.86	0.88	--	0.77	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	153	165	154	--	152	--
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.026	0.2	0.29	--	0.93	--
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	63.6	69	65	--	60	--
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	4	4	5	--	4	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	204	--	220	--	235	--
Strontium, Dissolved	mg/l	--	--	--	6.75	6.8	6.48	--	4.81	--
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-8M 12-Apr-1994	93-8M 23-Sep-1994	93-8M 23-Sep-1994 93-8M-FD (Field Duplicate)	93-8M 07-Dec-1994	93-8M 07-Dec-1994 93-8M-FD (Field Duplicate)	93-8M 26-Apr-1995	93-8M 19-Sep-1995	93-8M 22-Nov-1995
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	310	270	240	260	250	240	260	260
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	0.41	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	21	9	12	41	32	6	7	38
Chloride	mg/l	--	250	--	200	480	470	370	400	470	530	410
Conductivity	uS/cm	--	--	--	1225	1900	1900	2350	2350	1950	2900	7.5
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	0.004	0.005	<0.002	<0.002	<0.002
Fluoride	mg/l	1.5	--	--	0.24	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*510*	*710*	*700*	*720*	*730*	*600*	*780*	*651*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<1	<1	<0.1	<0.1	<0.1	<1	<1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.2	<1.1	<1.1	<0.2	<0.2	<0.2	<1.1	<1.1
Nitrogen, Organic	mg/l	--	--	0.15	<0.42	<0.47	<0.61	<0.14	<0.1	<1.1	<1.1	<0.17
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.42	0.47	0.61	0.14	<0.1	1.1	1.1	0.17
pH	-	--	--	8.5	6.8	7.1	7.1	7	7	7.2	7.2	*1750*
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--
Sulfate	mg/l	--	500 [9]	--	62	73	68	84	81	63	90	78
Temperature	deg c	--	15	--	9	10	10	7	7	8.5	9	8
Total Dissolved Solids	mg/l	--	500	--	730	1500	1600	1400	1400	970	1600	1200
Total Organic Carbon	mg/l	--	--	--	5	2.3	1.8	2.1	1.8	1.8	2.8	7.2
Metals												
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	0.05
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Barium, Dissolved	mg/l	1	--	--	0.17	0.25	0.24	0.25	0.25	0.19	0.27	0.22
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron, Dissolved	mg/l	5	--	--	0.36	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	0.17
Cadmium, Dissolved	mg/l	0.005	--	--	0.0004	0.0005	0.0005	<0.0002	<0.0002	<0.005	<0.005	<0.005
Calcium, Dissolved	mg/l	--	--	--	130	19	19	200	200	160	210	170
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.13	0.07
Lead, Dissolved	mg/l	0.01	--	--	**0.013**	**0.046**	**0.046**	**0.025**	**0.03**	**0.025**	**0.038**	**0.027**
Magnesium, Dissolved	mg/l	--	--	--	43	57	56	57	58	48	63	55
Manganese, Dissolved	mg/l	--	0.05	--	0.46	0.59	0.58	0.58	0.58	0.44	0.64	0.48
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, Dissolved	mg/l	--	--	--	3	3.6	3.3	3	4	2.7	3.2	3.4
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	10	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, Dissolved	mg/l	--	200 [10]	--	78	21	20	200	200	170	200	150
Strontium, Dissolved	mg/l	--	--	--	1.5	1.4	1.4	1.4	1.4	1.4	1.5	1.9
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-8M 09-May-1996	93-8M 09-May-1996 93-8M-FD (Field Duplicate)	93-8M 24-Sep-1996	93-8M 27-Nov-1996	93-8M 05-May-1997	93-8M 24-Sep-1997	93-8M 02-Dec-1997	93-8M 06-May-1998	93-8M 17-Sep-1998
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	220	--	240	230	220	230	--	220	220
Ammonia Nitrogen	mg/l	--	--	--	<0.06	--	<0.06	<0.1	<0.1	<0.1	--	0.13	0.17
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<2	--	<2	<2	--	--	--	--	--
Bromide	mg/l	--	--	--	<0.1	--	<0.1	0.12	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<10	--	10	<5	<5	<5	--	11	30
Chloride	mg/l	--	250	--	430	--	490	420	360	480	--	440	510
Conductivity	uS/cm	--	--	--	600	--	1800	1250	1300	2600	--	1700	1500
Cyanide	mg/l	0.2	--	--	<0.005	--	<0.005	<0.005	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.19	--	<0.07	<0.07	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*535*	--	*610*	*570*	*480*	*740*	--	*570*	*640*
Nitrate	mg/l	-- [7]	--	--	<0.05	--	<0.05	<0.05	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--	<0.5	<0.1	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.15	--	<0.55	<0.15	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.1	--	<0.45	<0.31	<0.28	<0.36	--	*0.33*	0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.1	--	0.45	0.31	0.28	0.36	--	0.46	0.27
pH	-	--	--	8.5	6.9	--	7.2	7.2	7.5	7.4	--	7.3	6.78
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<1	<1	<0.2	<0.02	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	100	--	116	99	--	--	--	--	--
Temperature	deg c	--	15	--	6	--	6.5	5.5	7	9	--	9.5	7.5
Total Dissolved Solids	mg/l	--	500	--	1040	--	1400	680	1000	1900	--	1400	1400
Total Organic Carbon	mg/l	--	--	--	4.2	--	8	6	2.5	10	--	<0.5	1.5
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.1	--	<0.1	0.08	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	<0.005	<0.005	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.15	--	0.21	0.26	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.001	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.15	--	0.21	0.89	0.16	0.05	--	0.1	0.09
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	<0.00008	<0.00008	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	150	--	170	140	130	200	--	150	170
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	<0.02	<0.02	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.09	--	<0.09	<0.05	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	<0.02	<0.02	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.19	--	0.33	0.13	0.25	0.09	--	0.12	0.24
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	<0.0006	<0.0006	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	39	--	48	54	38	58	--	44	51
Manganese, Dissolved	mg/l	--	0.05	--	0.39	--	0.51	0.14	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	<0.04	<0.02	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.03	--	<0.03	<0.01	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	3.5	--	2.7	4.2	2.4	2.9	--	2.8	3.2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	<0.02	<0.01	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	96	--	170	160	120	230	--	170	210
Strontium, Dissolved	mg/l	--	--	--	0.14	--	1.4	5	1.3	1.5	--	1.4	1.6
Thallium, Dissolved	mg/l	--	--	--	<0.002	--	<1	<0.1	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.01	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.01	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	<0.01	<0.01	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	--	<0.01	<0.02	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-8M 29-Apr-1999	93-8M 21-Sep-1999	93-8M 31-May-2000	93-8M 31-May-2000 93-8M-FD (Field Duplicate)	93-8M 21-Sep-2000	93-8M 08-May-2001	93-8M 07-Sep-2001
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	220	267	236	234	--	251	--
Ammonia Nitrogen	mg/l	--	--	--	--	--	0.06	--	--	0.14	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	13	10	20	--	11	--
Chloride	mg/l	--	250	--	420	768	410	400	--	384	--
Conductivity	uS/cm	--	--	--	790	2600	1275	--	2000	1300	--
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*538.6*	*783.3*	*540*	*530*	--	*532*	--
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	*0.38*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	--	0.06	0.11	--	0.52	--
pH	-	--	--	8.5	7.09	7	--	--	7.1	7.8	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	5	4.5	9.5	--	8	8.5	--
Total Dissolved Solids	mg/l	--	500	--	1200	1860	1100	1070	--	1110	--
Total Organic Carbon	mg/l	--	--	--	2	1.9	3.3	3.2	--	6.1	--
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.12	--	0.16	0.17	--	0.15	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	140	210	142	138	--	142	--
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.1	0.13	0.21	0.14	--	0.17	--
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	46	63	45	45	--	43	--
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	3.5	4	3	3	--	3	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	190	280	--	157	--	170	--
Strontium, Dissolved	mg/l	--	--	--	1.4	1.5	1.42	1.48	--	1.31	--
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-8S 12-Apr-1994	93-8S 23-Sep-1994	93-8S 07-Dec-1994	93-8S 26-Apr-1995	93-8S 19-Sep-1995	93-8S 22-Nov-1995	93-8S 09-May-1996	93-8S 09-May-1996 93-8S-FD (Field Duplicate)	93-8S 24-Sep-1996
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	300	240	270	280	300	360	290	--	290
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06	--	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<2	--	<2
Bromide	mg/l	--	--	--	0.19	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	0.17
Chemical Oxygen Demand	mg/l	--	--	--	23	22	44	8	6	32	<10	--	11
Chloride	mg/l	--	250	--	300	410	440	530	290	490	350	--	490
Conductivity	uS/cm	--	--	--	1650	1800	2300	2150	1950	2000	1500	--	1500
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	--	<0.005
Fluoride	mg/l	1.5	--	--	0.22	<0.1	<0.1	<0.1	<0.1	<0.1	0.16	--	<0.07
Hardness, Calcium Carbonate	mg/l	--	--	100	*580*	*670*	*760*	*670*	*590*	*775*	*570*	--	*650*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	0.19	<0.1	0.17	<0.05	--	0.28
Nitrite	mg/l	-- [8]	--	--	<0.1	<1	<0.1	<0.1	<1	<1	<0.1	--	<0.5
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.2	<1.1	<0.2	<0.29	<1.1	<1.17	<0.15	--	<0.78
Nitrogen, Organic	mg/l	--	--	0.15	<0.32	<1	<0.34	<4	<1.2	<0.12	<0.36	--	<0.48
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.32	1	0.34	4	1.2	0.12	0.36	--	0.48
pH	-	--	--	8.5	7	6.6	7.1	7.1	7.3	7.2	6.8	--	7.2
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	--	--	--	<1	<1	<0.2
Sulfate	mg/l	--	500 [9]	--	62	70	66	61	79	72	78	--	99
Temperature	deg c	--	15	--	9	10	7	9	9	8	5.5	--	6
Total Dissolved Solids	mg/l	--	500	--	920	1400	1400	1100	1200	1400	1040	--	1200
Total Organic Carbon	mg/l	--	--	--	2.8	3.3	1.6	1.4	3.5	6.7	4.1	--	4
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	0.08	0.05	<0.1	--	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--	<0.005
Barium, Dissolved	mg/l	1	--	--	0.15	0.19	0.2	0.16	0.17	0.21	0.15	--	0.19
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01
Boron, Dissolved	mg/l	5	--	--	0.05	<0.05	<0.05	<0.05	0.12	0.09	0.09	--	0.18
Cadmium, Dissolved	mg/l	0.005	--	--	0.0004	0.0005	<0.0002	<0.005	<0.005	<0.005	<0.00008	--	<0.00008
Calcium, Dissolved	mg/l	--	--	--	150	170	190	180	150	200	146	--	180
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	--	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--	<0.02
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	<0.05	0.07	0.08	0.15	--	0.21
Lead, Dissolved	mg/l	0.01	--	--	**0.015**	**0.041**	**0.054**	**0.027**	**0.03**	**0.03**	<0.0006	--	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	53	58	66	56	53	67	50	--	58
Manganese, Dissolved	mg/l	--	0.05	--	0.07	0.13	0.14	0.068	0.079	0.12	0.15	--	0.19
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	--	<0.04
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	--	<0.03
Potassium, Dissolved	mg/l	--	--	--	3	2.9	3.1	<2	2.6	3.3	3.6	--	2.7
Silicon, Dissolved	mg/l	--	--	--	--	--	--	8.6	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	--	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	120	180	180	160	140	180	134	--	160
Strontium, Dissolved	mg/l	--	--	--	1.1	1.4	1.3	1.2	1.6	1.4	1.4	--	1.5
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	--	<1
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01	--	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-8S 27-Nov-1996	93-8S 05-May-1997	93-8S 24-Sep-1997	93-8S 02-Dec-1997	93-8S 06-May-1998	93-8S 17-Sep-1998	93-8S 29-Apr-1999	93-8S 21-Sep-1999	93-8S 31-May-2000
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	300	340	250	--	300	270	--	276	263
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	--	0.13	0.2	--	0.03	0.15
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<2	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.16	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	--	<5	34	--	<4	8
Chloride	mg/l	--	250	--	420	210	570	--	280	580	--	738	506
Conductivity	uS/cm	--	--	--	700	1100	2400	--	1500	1700	1450	1800	1450
Cyanide	mg/l	0.2	--	--	<0.005	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	<0.07	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*560*	*460*	*760*	--	*520*	*740*	*600*	*588.2*	*670*
Nitrate	mg/l	-- [7]	--	--	0.45	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	<0.5	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.95	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.43	<0.35	<0.35	--	*0.35*	0.07	--	0.07	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.43	0.35	0.35	--	0.48	0.27	--	0.1	0.15
pH	-	--	--	8.5	7.1	7.4	7.5	--	7.41	6.75	7.36	7	6.8
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	0.07	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	82	--	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	6.5	6	8.5	--	8	7.5	5	3	9
Total Dissolved Solids	mg/l	--	500	--	1100	830	1700	--	930	170	--	1370	1370
Total Organic Carbon	mg/l	--	--	--	6	6	7.8	--	<0.5	1	--	2.3	4
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	0.07	--	--	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.19	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.001	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.19	0.14	<0.05	--	0.09	0.05	0.1	--	0.13
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	150	120	200	--	140	190	150	150	171
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.05	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.09	<0.05	<0.05	--	<0.05	0.26	0.06	0.11	0.22
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	46	40	63	--	43	65	54	52	59
Manganese, Dissolved	mg/l	--	0.05	--	0.44	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	2.8	2.3	3.3	--	2.6	3.2	2.6	4	3
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	140	87	190	--	120	210	160	160	--
Strontium, Dissolved	mg/l	--	--	--	1.5	1.5	1.3	--	1.3	1.5	1.3	1.5	1.24
Thallium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	93-8S 31-May-2000	93-8S 20-Sep-2000	93-8S 08-May-2001	93-8S 08-May-2001	93-8S 07-Sep-2001
					93-8S-FD (Field Duplicate)			93-8S-FD (Field Duplicate)	
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	273	--	302	303	--
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	<0.02	<0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	7	--	14	14	--
Chloride	mg/l	--	250	--	392	--	386	377	--
Conductivity	uS/cm	--	--	--	--	1900	1300	--	--
Cyanide	mg/l	0.2	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*601*	--	*590*	*582*	--
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.12	--	0.14	0.12	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.12	--	0.14	0.12	--
pH	-	--	--	8.5	--	7	7.6	--	--
Phosphate	mg/l	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--
Temperature	deg c	--	15	--	--	9	9	--	--
Total Dissolved Solids	mg/l	--	500	--	1200	--	1120	1090	--
Total Organic Carbon	mg/l	--	--	--	2.8	--	6.2	2.1	--
Metals									
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.12	--	0.08	0.08	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	153	--	152	147	--
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	1.04	--	0.22	0.21	--
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	53	--	51	52	--
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	3	--	3	3	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	--	158	153	--
Strontium, Dissolved	mg/l	--	--	--	1.63	--	1.16	1.17	--
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	94-1D 25-Apr-1995	94-1D 25-Apr-1995 94-1D-FD (Field Duplicate)	94-1D 13-Sep-1995	94-1D 11-Dec-1995	94-1D 31-May-2000	94-1D 23-May-2001
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	280	280	270	--	345	326
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	--	<0.02	0.03
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	--	--	--
Bromide	mg/l	--	--	--	<0.1	<0.1	0.25	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	19	11	18	5	10	5
Chloride	mg/l	--	250	--	7.4	8.9	11	2	5	4
Conductivity	uS/cm	--	--	--	700	700	725	725	520	600
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	--	--	--
Fluoride	mg/l	1.5	--	--	<0.1	<0.1	0.4	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*390*	*390*	*330*	--	*140*	*229*
Nitrate	mg/l	-- [7]	--	--	0.14	0.14	<0.1	<0.1	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.24	<0.24	<0.2	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.1	<0.1	<0.4	--	<0.05	*0.34*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.1	<0.1	0.4	--	<0.05	0.37
pH	-	--	--	8.5	7.2	7.5	7.6	7.3	8.4	7.7
Sulfate	mg/l	--	500 [9]	--	26	26	36	--	--	--
Temperature	deg c	--	15	--	7	7	11	9	11	10
Total Dissolved Solids	mg/l	--	500	--	520	430	510	--	448	416
Total Organic Carbon	mg/l	--	--	--	1.1	1.2	1.7	--	2.4	1.2
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	0.06	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	<0.002	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.059	0.059	0.08	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	--	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	0.08	--	0.05	0.03
Cadmium, Dissolved	mg/l	0.005	--	--	<0.005	<0.005	<0.005	--	--	--
Calcium, Dissolved	mg/l	--	--	--	99	100	81	--	23	39
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	0.21	--	<0.01	0.02
Lead, Dissolved	mg/l	0.01	--	--	0.004	0.004	**0.011**	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	34	33	30	--	20	32
Manganese, Dissolved	mg/l	--	0.05	--	0.029	0.037	0.069	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	--	--	--
Potassium, Dissolved	mg/l	--	--	--	<2	<2	2.9	--	2	2
Silicon, Dissolved	mg/l	--	--	--	2.1	2.2	3.5	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	12	14	33	3	--	65
Strontium, Dissolved	mg/l	--	--	--	0.15	0.18	0.34	--	0.11	0.116
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	94-1S 24-Apr-1995	94-1S 11-Dec-1995	94-1S 31-May-2000	94-1S 23-May-2001
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	250	--	324	343
Ammonia Nitrogen	mg/l	--	--	--	<0.1	--	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	--	--	--
Bromide	mg/l	--	--	--	<0.1	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	5	7	<4	5
Chloride	mg/l	--	250	--	3.1	7	2	8
Conductivity	uS/cm	--	--	--	650	650	500	540
Cyanide	mg/l	0.2	--	--	<0.002	--	--	--
Fluoride	mg/l	1.5	--	--	<0.1	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*390*	--	*312*	*330*
Nitrate	mg/l	-- [7]	--	--	0.14	<0.1	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.24	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.1	--	<0.05	0.08
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.1	--	<0.05	0.08
pH	-	--	--	8.5	7	7.5	5.7	6.3
Sulfate	mg/l	--	500 [9]	--	24	--	--	--
Temperature	deg c	--	15	--	7	9	12	12
Total Dissolved Solids	mg/l	--	500	--	360	--	408	492
Total Organic Carbon	mg/l	--	--	--	0.71	--	1.9	0.9
Metals								
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.081	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	0.008	--	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	--	0.03	0.02
Cadmium, Dissolved	mg/l	0.005	--	--	**0.009**	--	--	--
Calcium, Dissolved	mg/l	--	--	--	99	--	72	76
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.01	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	<0.01	0.03
Lead, Dissolved	mg/l	0.01	--	--	0.007	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	36	--	32	34
Manganese, Dissolved	mg/l	--	0.05	--	0.039	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	--	--	--
Potassium, Dissolved	mg/l	--	--	--	<2	--	2	2
Silicon, Dissolved	mg/l	--	--	--	2.1	--	--	--
Silver, Dissolved	mg/l	--	--	--	0.039	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	6.4	13	--	39
Strontium, Dissolved	mg/l	--	--	--	0.19	--	0.122	0.095
Thallium, Dissolved	mg/l	--	--	--	<0.05	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	0.009	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.1	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	94-2D 25-Apr-1995	94-2D 13-Sep-1995	94-2D 11-Dec-1995	94-2D 26-Sep-1996	94-2D 28-Nov-1996	94-2D 07-May-1997
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	400	280	--	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	--	--	--	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	3	--	--	--	--
Bromide	mg/l	--	--	--	0.2	0.32	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	26	24	7	<5	<5	6
Chloride	mg/l	--	250	--	27	25	30	11	5.7	11
Conductivity	uS/cm	--	--	--	825	825	1000	460	--	560
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	--	--	--	--
Fluoride	mg/l	1.5	--	--	<0.1	0.19	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*460*	*380*	--	--	--	--
Nitrate	mg/l	-- [7]	--	--	0.3	0.29	11.7	0.29	0.37	0.24
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.4	<0.39	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.1	<0.55	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.1	0.55	--	--	--	--
pH	-	--	--	8.5	7.2	7.4	7.3	6.5	--	6.7
Sulfate	mg/l	--	500 [9]	--	53	47	--	--	--	--
Temperature	deg c	--	15	--	8	11	9	9.6	--	4.5
Total Dissolved Solids	mg/l	--	500	--	610	490	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	2	2.4	--	--	--	--
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.093	0.084	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.08	--	--	--	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.005	<0.005	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	120	91	--	--	--	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.35	--	--	--	--
Lead, Dissolved	mg/l	0.01	--	--	0.01	0.009	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	41	36	--	--	--	--
Manganese, Dissolved	mg/l	--	0.05	--	0.12	0.071	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	4.2	4.2	--	--	--	--
Silicon, Dissolved	mg/l	--	--	--	2.8	3.2	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	50	27	16	16	17	16
Strontium, Dissolved	mg/l	--	--	--	0.53	0.63	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	94-2S 25-Apr-1995	94-2S 20-Sep-1995	94-2S 11-Dec-1995	94-2S 26-Sep-1996	94-2S 28-Nov-1996	94-2S 07-May-1997
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	330	520	--	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	--	--	--	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	--	--	--	--
Bromide	mg/l	--	--	--	<0.1	0.19	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	23	10	10	<5	<5	<5
Chloride	mg/l	--	250	--	10	20	15	4.6	6.8	4.3
Conductivity	uS/cm	--	--	--	750	875	925	450	--	480
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	--	--	--	--
Fluoride	mg/l	1.5	--	--	<0.1	0.29	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*400*	*490*	--	--	--	--
Nitrate	mg/l	-- [7]	--	--	0.18	14	9.39	0.93	0.55	0.27
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.28	<14.1	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.1	<0.41	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.1	0.41	--	--	--	--
pH	-	--	--	8.5	7.2	7.8	7.5	--	--	6.6
Sulfate	mg/l	--	500 [9]	--	38	41	--	--	--	--
Temperature	deg c	--	15	--	6.5	10	8.5	8	--	4.5
Total Dissolved Solids	mg/l	--	500	--	570	670	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	1.6	1.9	--	--	--	--
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.002	<0.002	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.076	0.11	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.06	--	--	--	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.005	<0.005	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	99	120	--	--	--	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	<0.05	--	--	--	--
Lead, Dissolved	mg/l	0.01	--	--	0.007	0.0065	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	36	46	--	--	--	--
Manganese, Dissolved	mg/l	--	0.05	--	0.11	0.051	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	<2	<2	--	--	--	--
Silicon, Dissolved	mg/l	--	--	--	2.3	3.3	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	35	24	16	16	15	35
Strontium, Dissolved	mg/l	--	--	--	0.2	0.31	--	--	--	--
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.1	<0.1	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-1D 28-Jul-1998	98-1D 29-Jul-1998	98-1D 16-Sep-1998	98-1D 26-Apr-1999	98-1D 16-Sep-1999
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	--	450	490	350	450
Ammonia Nitrogen	mg/l	--	--	--	--	2.7	5	1.8	6.77
Chemical Oxygen Demand	mg/l	--	--	--	--	55	<5	<5	18
Chloride	mg/l	--	250	--	--	37	53	25	58
Conductivity	uS/cm	--	--	--	--	950	890	550	1300
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*460*	*470*	*390*	*492.77*
Nitrogen, Organic	mg/l	--	--	0.15	--	*1.5*	*1*	*0.3*	0.05
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	4.2	6	2.1	6.82
pH	-	--	--	8.5	--	7.1	6.6	7	6.84
Temperature	deg c	--	15	--	--	8	4	5	8
Total Dissolved Solids	mg/l	--	500	--	--	630	630	430	550
Total Organic Carbon	mg/l	--	--	--	--	27	8.2	7.7	6.7
Metals									
Boron, Dissolved	mg/l	5	--	--	--	0.24	0.31	0.15	--
Calcium, Dissolved	mg/l	--	--	--	--	130	130	120	132
Iron, Dissolved	mg/l	--	0.3	--	--	2.7	15	6.8	16.5
Magnesium, Dissolved	mg/l	--	--	--	--	32	35	21	39.7
Potassium, Dissolved	mg/l	--	--	--	--	7.4	9	4.5	8
Sodium, Dissolved	mg/l	--	200 [10]	--	--	26	26	14	35.9
Strontium, Dissolved	mg/l	--	--	--	--	0.71	1.5	0.64	1.69

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-1M 28-Jul-1998	98-1M 29-Jul-1998	98-1M 16-Sep-1998	98-1M 26-Apr-1999	98-1M 16-Sep-1999
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	--	570	530	510	530
Ammonia Nitrogen	mg/l	--	--	--	--	23	7.7	9.9	11.7
Chemical Oxygen Demand	mg/l	--	--	--	--	130	17	26	25
Chloride	mg/l	--	250	--	--	53	59	97	120
Conductivity	uS/cm	--	--	--	--	1180	960	980	1400
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*490*	*490*	*510*	*437.76*
Nitrogen, Organic	mg/l	--	--	0.15	--	*11*	*3.3*	0.1	0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	34	11	10	11.8
pH	-	--	--	8.5	--	6.9	6.7	6.64	6.71
Temperature	deg c	--	15	--	--	9	5	4	10
Total Dissolved Solids	mg/l	--	500	--	--	560	660	710	660
Total Organic Carbon	mg/l	--	--	--	--	69	9	10.4	7.8
Metals									
Boron, Dissolved	mg/l	5	--	--	--	0.65	0.42	0.38	--
Calcium, Dissolved	mg/l	--	--	--	--	140	140	140	120
Iron, Dissolved	mg/l	--	0.3	--	--	36	27	25	10.9
Magnesium, Dissolved	mg/l	--	--	--	--	33	34	38	33.6
Potassium, Dissolved	mg/l	--	--	--	--	22	14	14	11.3
Sodium, Dissolved	mg/l	--	200 [10]	--	--	44	32	33	35.8
Strontium, Dissolved	mg/l	--	--	--	--	0.31	0.78	1.3	1.02

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-1S 28-Jul-1998	98-1S 29-Jul-1998	98-1S 16-Sep-1998	98-1S 26-Apr-1999	98-1S 16-Sep-1999
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	--	450	490	520	517
Ammonia Nitrogen	mg/l	--	--	--	--	4.5	3.6	7.8	--
Chemical Oxygen Demand	mg/l	--	--	--	--	81	14	31	29
Chloride	mg/l	--	250	--	--	42	44	76	92.4
Conductivity	uS/cm	--	--	--	--	1100	910	940	1185
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*510*	*500*	*510*	*541.87*
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.3*	*1.4*	*1.5*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	4.8	5	9.3	10.5
pH	-	--	--	8.5	--	6.9	6.8	6.8	6.75
Temperature	deg c	--	15	--	--	10	6	4	9
Total Dissolved Solids	mg/l	--	500	--	--	700	710	660	796
Total Organic Carbon	mg/l	--	--	--	--	27	11.8	13	9.8
Metals									
Boron, Dissolved	mg/l	5	--	--	--	0.28	0.39	0.43	--
Calcium, Dissolved	mg/l	--	--	--	--	170	160	150	150
Iron, Dissolved	mg/l	--	0.3	--	--	21	20	25	24.6
Magnesium, Dissolved	mg/l	--	--	--	--	21	25	32	40.7
Potassium, Dissolved	mg/l	--	--	--	--	6.8	7.7	12	11.7
Sodium, Dissolved	mg/l	--	200 [10]	--	--	38	35	33	40.5
Strontium, Dissolved	mg/l	--	--	--	--	0.25	0.5	0.82	1.2

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-2D 28-Jul-1998	98-2D 29-Jul-1998	98-2D 16-Sep-1998	98-2D 26-Apr-1999	98-2D 16-Sep-1999	98-2D 23-May-2000	98-2D 08-May-2001
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	--	300	380	290	420	--	--
Ammonia Nitrogen	mg/l	--	--	--	--	<0.1	0.15	0.43	1.58	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	22	13	13	13	--	--
Chloride	mg/l	--	250	--	--	7.7	22	14	6.5	--	--
Conductivity	uS/cm	--	--	--	--	590	545	480	1100	420	550
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*380*	*390*	*330*	*483.85*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.66	*0.38*	*0.47*	0.12	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.66	0.53	0.9	1.7	--	--
pH	-	--	--	8.5	--	7.1	6.9	6.9	6.6	6.9	6.8
Temperature	deg c	--	15	--	--	8	4	3	8	8	8
Total Dissolved Solids	mg/l	--	500	--	--	430	420	370	560	--	--
Total Organic Carbon	mg/l	--	--	--	--	23	7.6	7.2	7.4	--	--
Metals											
Boron, Dissolved	mg/l	5	--	--	--	0.06	0.12	0.12	--	--	--
Calcium, Dissolved	mg/l	--	--	--	--	110	130	110	155	--	--
Iron, Dissolved	mg/l	--	0.3	--	--	2.4	5.2	7.4	13.7	--	--
Magnesium, Dissolved	mg/l	--	--	--	--	15	16	13	23.5	--	--
Potassium, Dissolved	mg/l	--	--	--	--	1	1.6	1.5	4	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	9.2	13	9.5	25.5	--	--
Strontium, Dissolved	mg/l	--	--	--	--	0.19	0.29	0.25	0.465	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-2M 28-Jul-1998	98-2M 29-Jul-1998	98-2M 16-Sep-1998	98-2M 26-Apr-1999	98-2M 16-Sep-1999
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	--	270	340	230	250
Ammonia Nitrogen	mg/l	--	--	--	--	<0.1	<0.1	0.25	0.14
Chemical Oxygen Demand	mg/l	--	--	--	--	28	<5	<5	<4
Chloride	mg/l	--	250	--	--	3.8	4	2.9	4.2
Conductivity	uS/cm	--	--	--	--	560	445	370	530
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*330*	*320*	*260*	*296.81*
Nitrogen, Organic	mg/l	--	--	0.15	--	<1.5	<0.49	*0.35*	0.09
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	1.5	0.49	0.6	0.23
pH	-	--	--	8.5	--	6.9	6.7	6.6	6.38
Temperature	deg c	--	15	--	--	9	5	5	9
Total Dissolved Solids	mg/l	--	500	--	--	430	370	270	290
Total Organic Carbon	mg/l	--	--	--	--	27	4.4	4.6	4.3
Metals									
Boron, Dissolved	mg/l	5	--	--	--	0.1	0.09	0.1	--
Calcium, Dissolved	mg/l	--	--	--	--	100	100	79	91.5
Iron, Dissolved	mg/l	--	0.3	--	--	0.16	0.1	0.1	<0.005
Magnesium, Dissolved	mg/l	--	--	--	--	19	18	15	16.6
Potassium, Dissolved	mg/l	--	--	--	--	1.5	2.1	1.7	<1
Sodium, Dissolved	mg/l	--	200 [10]	--	--	7.6	6.9	4.3	8.13
Strontium, Dissolved	mg/l	--	--	--	--	0.18	0.18	0.13	0.148

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-2S 28-Jul-1998	98-2S 29-Jul-1998	98-2S 16-Sep-1998	98-2S 26-Apr-1999	98-2S 16-Sep-1999
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	--	350	340	240	230
Ammonia Nitrogen	mg/l	--	--	--	--	<0.1	<0.1	0.11	0.01
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	9	<5	14
Chloride	mg/l	--	250	--	--	3.2	3.7	2.2	58
Conductivity	uS/cm	--	--	--	--	690	535	430	500
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*420*	*390*	*270*	*280.73*
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.67	<0.39	0.01	<0.04
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.67	0.39	0.12	<0.05
pH	-	--	--	8.5	--	7	7	7.19	7.01
Temperature	deg c	--	15	--	--	9	8	4	10
Total Dissolved Solids	mg/l	--	500	--	--	540	420	250	310
Total Organic Carbon	mg/l	--	--	--	--	21	3.7	3.9	1.9
Metals									
Boron, Dissolved	mg/l	5	--	--	--	0.14	0.12	0.1	--
Calcium, Dissolved	mg/l	--	--	--	--	130	120	84	87.2
Iron, Dissolved	mg/l	--	0.3	--	--	0.09	0.08	<0.05	0.027
Magnesium, Dissolved	mg/l	--	--	--	--	24	21	15	15.3
Potassium, Dissolved	mg/l	--	--	--	--	4	2.4	3.2	2
Sodium, Dissolved	mg/l	--	200 [10]	--	--	6.8	5.3	3.3	11.8
Strontium, Dissolved	mg/l	--	--	--	--	0.3	0.29	0.18	0.189

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-3D 29-May-1998	98-3D 28-Jul-1998	98-3D 17-Sep-1998	98-3D 28-Apr-1999	98-3D 22-Sep-1999	98-3D 23-May-2000	98-3D 08-May-2001
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	470	--	510	430	480	443	361
Ammonia Nitrogen	mg/l	--	--	--	2.4	--	3.9	3.4	6.65	3.44	3.65
Chemical Oxygen Demand	mg/l	--	--	--	17	--	45	10	33	30	<5
Chloride	mg/l	--	250	--	24	--	37	18	39	28	17
Conductivity	uS/cm	--	--	--	900	--	900	590	740	700	620
Hardness, Calcium Carbonate	mg/l	--	--	100	*450*	--	*480*	*390*	*394.39*	*450*	*339*
Nitrogen, Organic	mg/l	--	--	0.15	*1.3*	--	*1.9*	*0.6*	*0.21*	--	*0.92*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	3.7	--	5.8	4	6.86	3.44	4.57
pH	-	--	--	8.5	6.8	--	6.7	6.85	7.3	6.4	6.2
Temperature	deg c	--	15	--	7	--	4	4	4	12	6
Total Dissolved Solids	mg/l	--	500	--	550	--	610	460	558	604	456
Total Organic Carbon	mg/l	--	--	--	21	--	10	10	9.9	11.3	46.6
Metals											
Boron, Dissolved	mg/l	5	--	--	0.28	--	0.33	0.28	--	0.23	0.24
Calcium, Dissolved	mg/l	--	--	--	130	--	140	110	112	129	96
Iron, Dissolved	mg/l	--	0.3	--	8.1	--	8.6	11	6.59	12.9	10.6
Magnesium, Dissolved	mg/l	--	--	--	31	--	32	29	27.9	31	24
Potassium, Dissolved	mg/l	--	--	--	6.7	--	6.7	7.5	5	7	7
Sodium, Dissolved	mg/l	--	200 [10]	--	21	--	26	19	27.6	20	16
Strontium, Dissolved	mg/l	--	--	--	0.36	--	0.36	0.34	0.285	0.352	0.286

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-3M 28-Jul-1998	98-3M 29-Jul-1998	98-3M 17-Sep-1998	98-3M 28-Apr-1999	98-3M 22-Sep-1999	98-3M 23-May-2000	98-3M 08-May-2001
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	--	360	350	480	482	299	314
Ammonia Nitrogen	mg/l	--	--	--	--	0.13	0.19	0.57	0.07	0.05	0.05
Chemical Oxygen Demand	mg/l	--	--	--	--	13	25	<5	20	10	22
Chloride	mg/l	--	250	--	--	21	19	24	26.4	14	14
Conductivity	uS/cm	--	--	--	--	780	645	790	690	500	580
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*310*	*380*	*430*	*378.94*	*321*	*312*
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.97*	0.03	0.07	*0.38*	*0.4*	0.11
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	1.1	0.22	0.64	0.45	0.45	0.16
pH	-	--	--	8.5	--	7.5	7.3	7.09	6.8	6.6	6.4
Temperature	deg c	--	15	--	--	8	5	5	2	12	8
Total Dissolved Solids	mg/l	--	500	--	--	520	440	550	616	400	408
Total Organic Carbon	mg/l	--	--	--	--	25	1.8	6.3	5.4	2.6	8.5
Metals											
Boron, Dissolved	mg/l	5	--	--	--	0.45	0.6	0.81	--	0.32	0.45
Calcium, Dissolved	mg/l	--	--	--	--	85	110	120	105	92	87
Iron, Dissolved	mg/l	--	0.3	--	--	0.19	0.43	0.53	0.577	0.02	0.12
Magnesium, Dissolved	mg/l	--	--	--	--	25	25	32	28.4	22	23
Potassium, Dissolved	mg/l	--	--	--	--	2.1	1.5	2.5	<1	2	2
Sodium, Dissolved	mg/l	--	200 [10]	--	--	62	25	50	50.9	21	25
Strontium, Dissolved	mg/l	--	--	--	--	0.72	1.4	2	1.66	1.24	1.3

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-3S 28-Jul-1998	98-3S 29-Jul-1998	98-3S 17-Sep-1998	98-3S 28-Apr-1999	98-3S 22-Sep-1999	98-3S 23-May-2000	98-3S 08-May-2001
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	--	290	--	230	255	216	219
Ammonia Nitrogen	mg/l	--	--	--	--	<0.1	--	0.54	--	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	--	20	--	<5	7	8	14
Chloride	mg/l	--	250	--	--	6.3	--	5.9	18.3	12	7
Conductivity	uS/cm	--	--	--	--	5	--	350	425	470	380
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*300*	--	*250*	*286.51*	*276*	*227*
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.77	--	--	--	<0.38	0.12
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.77	--	0.54	0.31	0.38	0.12
pH	-	--	--	8.5	--	7.3	--	7.24	6.5	6.4	6.5
Temperature	deg c	--	15	--	--	7	--	5	5	12	9
Total Dissolved Solids	mg/l	--	500	--	--	300	--	250	385	372	260
Total Organic Carbon	mg/l	--	--	--	--	25	--	1	1.6	3.3	6.5
Metals											
Boron, Dissolved	mg/l	5	--	--	--	0.05	--	<0.05	--	0.03	0.01
Calcium, Dissolved	mg/l	--	--	--	--	78	--	63	75.9	71	58
Iron, Dissolved	mg/l	--	0.3	--	--	0.08	--	<0.05	0.019	0.02	<0.01
Magnesium, Dissolved	mg/l	--	--	--	--	25	--	22	23.6	24	20
Potassium, Dissolved	mg/l	--	--	--	--	<1	--	<1	<1	<1	<1
Sodium, Dissolved	mg/l	--	200 [10]	--	--	11	--	4	8.94	5	4
Strontium, Dissolved	mg/l	--	--	--	--	0.13	--	0.08	0.116	0.096	0.076

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-4D 30-Jun-1998	98-4D 30-Jul-1998	98-4D 16-Sep-1998	98-4D 28-Apr-1999	98-4D 23-Sep-1999
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	240	--	230	260	235
Ammonia Nitrogen	mg/l	--	--	--	<0.1	--	<0.1	0.6	<0.05
Chemical Oxygen Demand	mg/l	--	--	--	22	--	<5	<5	8
Chloride	mg/l	--	250	--	12	--	9.5	7	3.91
Conductivity	uS/cm	--	--	--	500	--	395	360	390
Hardness, Calcium Carbonate	mg/l	--	--	100	*220*	--	*260*	*230*	*216.93*
Nitrogen, Organic	mg/l	--	--	0.15	<0.74	--	<0.29	*0.21*	<0.2
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.74	--	0.29	0.81	0.2
pH	-	--	--	8.5	8	--	7.5	7.53	7.5
Temperature	deg c	--	15	--	9	--	5	6	9
Total Dissolved Solids	mg/l	--	500	--	290	--	290	240	518
Total Organic Carbon	mg/l	--	--	--	9.4	--	1.9	2.4	15.3
Metals									
Boron, Dissolved	mg/l	5	--	--	0.05	--	<0.05	<0.05	--
Calcium, Dissolved	mg/l	--	--	--	60	--	63	61	62.5
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	<0.05	<0.05	0.061
Magnesium, Dissolved	mg/l	--	--	--	18	--	18	18	14.8
Potassium, Dissolved	mg/l	--	--	--	3.2	--	2.4	3.2	2
Sodium, Dissolved	mg/l	--	200 [10]	--	28	--	28	35	31
Strontium, Dissolved	mg/l	--	--	--	0.37	--	0.42	0.44	0.57

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-4M 30-Jul-1998	98-4M 16-Sep-1998	98-4M 28-Apr-1999	98-4M 23-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	190	220	150	195
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	0.56	<0.05
Chemical Oxygen Demand	mg/l	--	--	--	17	<5	<5	<4
Chloride	mg/l	--	250	--	2.3	2.1	2.9	102
Conductivity	uS/cm	--	--	--	340	320	250	270
Hardness, Calcium Carbonate	mg/l	--	--	100	*190*	*230*	*180*	*207.383*
Nitrogen, Organic	mg/l	--	--	0.15	<0.76	<0.24	0.03	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.76	0.24	0.59	0.1
pH	-	--	--	8.5	7.5	7.1	7.29	7
Temperature	deg c	--	15	--	10	5	5	4
Total Dissolved Solids	mg/l	--	500	--	210	190	260	304
Total Organic Carbon	mg/l	--	--	--	15	2.5	2.7	12.6
Metals								
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	--
Calcium, Dissolved	mg/l	--	--	--	65	80	61	72.9
Iron, Dissolved	mg/l	--	0.3	--	0.11	0.09	<0.05	0.051
Magnesium, Dissolved	mg/l	--	--	--	6	6.2	5.4	6.13
Potassium, Dissolved	mg/l	--	--	--	<1	<1	<1	<1
Sodium, Dissolved	mg/l	--	200 [10]	--	2.8	2.3	2.8	8.17
Strontium, Dissolved	mg/l	--	--	--	0.07	0.07	0.06	0.08

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-4S 30-Jul-1998	98-4S 16-Sep-1998	98-4S 28-Apr-1999	98-4S 23-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	260	260	240	232
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	0.44	<0.05
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	4
Chloride	mg/l	--	250	--	7.2	4.3	3	9.4
Conductivity	uS/cm	--	--	--	560	395	350	450
Hardness, Calcium Carbonate	mg/l	--	--	100	*240*	*260*	*270*	*257.47*
Nitrogen, Organic	mg/l	--	--	0.15	<1.2	<0.27	0.05	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.2	0.27	0.49	<0.1
pH	-	--	--	8.5	7.7	7.5	7.62	6.8
Temperature	deg c	--	15	--	11	8	6	4
Total Dissolved Solids	mg/l	--	500	--	290	260	260	377
Total Organic Carbon	mg/l	--	--	--	16	1.6	1.7	2.1
Metals								
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	--
Calcium, Dissolved	mg/l	--	--	--	66	76	80	83.8
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.09	<0.05	0.022
Magnesium, Dissolved	mg/l	--	--	--	17	17	16	11.7
Potassium, Dissolved	mg/l	--	--	--	2.3	1.4	2.2	<1
Sodium, Dissolved	mg/l	--	200 [10]	--	21	8.9	8.6	9.14
Strontium, Dissolved	mg/l	--	--	--	0.15	0.16	0.16	0.141

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-5D 28-Jul-1998	98-5D 29-Jul-1998	98-5D 16-Sep-1998	98-5D 27-Apr-1999	98-5D 21-Sep-1999	98-5D 21-Sep-1999 (98-5D-FD (Field Duplicate))	98-5D 21-Sep-1999	98-5D 23-May-2000	98-5D 08-May-2001
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	--	300	290	280	281	--	302	316	289
Ammonia Nitrogen	mg/l	--	--	--	--	<0.1	<0.1	0.12	0.03	--	0.02	0.06	0.06
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	<5	<5	<4	--	11	18	114
Chloride	mg/l	--	250	--	--	13	11	10	12.1	--	59	14	11
Conductivity	uS/cm	--	--	--	--	560	580	400	520	--	520	500	520
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*320*	*310*	*290*	*296.3*	--	*293.8*	*353*	*302*
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.7	<0.27	0.03	0.06	--	0.05	*0.22*	0.15
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.7	0.27	0.15	0.09	--	0.07	0.28	0.21
pH	-	--	--	8.5	--	7.3	6.9	7.23	7.1	--	7.1	6.5	6.8
Temperature	deg c	--	15	--	--	8	4	4	6.5	--	6.5	11	7
Total Dissolved Solids	mg/l	--	500	--	--	380	310	300	379	--	393	412	352
Total Organic Carbon	mg/l	--	--	--	--	7.7	3.5	2.5	2.4	--	2.5	3.6	65.6
Metals													
Boron, Dissolved	mg/l	5	--	--	--	0.08	0.06	--	--	--	--	0.08	0.05
Calcium, Dissolved	mg/l	--	--	--	--	89	89	86	89	--	88	105	93
Iron, Dissolved	mg/l	--	0.3	--	--	<0.05	<0.05	0.13	0.071	--	0.069	0.09	0.16
Magnesium, Dissolved	mg/l	--	--	--	--	24	22	18	18	--	18	22	17
Potassium, Dissolved	mg/l	--	--	--	--	1.6	2	1.1	2	--	1	2	2
Sodium, Dissolved	mg/l	--	200 [10]	--	--	16	11	9.2	9.3	--	11	10	8
Strontium, Dissolved	mg/l	--	--	--	--	0.49	0.54	0.81	0.82	--	0.83	0.83	0.77

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-5M	98-5M	98-5M	98-5M	98-5M	98-5M	98-5M
					28-Jul-1998	29-Jul-1998	16-Sep-1998	27-Apr-1999	22-Sep-1999	23-May-2000	08-May-2001
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	--	340	390	280	362	310	291
Ammonia Nitrogen	mg/l	--	--	--	--	<0.1	<0.1	0.1	0.33	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	15	<5	16	13	19
Chloride	mg/l	--	250	--	--	14	17	12	25.1	16	13
Conductivity	uS/cm	--	--	--	--	710	590	430	550	400	470
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*360*	*440*	*310*	*385.41*	*358*	*320*
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.39	<0.62	*0.2*	*0.33*	<0.35	*0.27*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.39	0.62	0.3	0.66	0.35	0.27
pH	-	--	--	8.5	--	7	7	6.92	6.4	6.6	7
Temperature	deg c	--	15	--	--	9	5	5	2	14	8
Total Dissolved Solids	mg/l	--	500	--	--	500	480	490	461	440	368
Total Organic Carbon	mg/l	--	--	--	--	3.5	2.2	2.6	3.1	3.8	24.4
Metals											
Boron, Dissolved	mg/l	5	--	--	--	0.07	0.06	0.07	--	0.07	0.04
Calcium, Dissolved	mg/l	--	--	--	--	100	130	91	113	102	90
Iron, Dissolved	mg/l	--	0.3	--	--	<0.05	<0.05	<0.05	0.025	0.02	0.03
Magnesium, Dissolved	mg/l	--	--	--	--	26	28	21	25.1	25	23
Potassium, Dissolved	mg/l	--	--	--	--	1.5	1.6	1.2	<1	<1	1
Sodium, Dissolved	mg/l	--	200 [10]	--	--	14	11	9.3	16.5	10	8
Strontium, Dissolved	mg/l	--	--	--	--	0.2	0.22	0.15	0.192	0.154	0.144

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-5S 28-Jul-1998	98-5S 29-Jul-1998	98-5S 16-Sep-1998	98-5S 27-Apr-1999	98-5S 21-Sep-1999	98-5S 23-May-2000	98-5S 08-May-2001
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	--	280	360	220	277	288	249
Ammonia Nitrogen	mg/l	--	--	--	--	<0.1	<0.1	0.13	0.01	0.18	0.03
Chemical Oxygen Demand	mg/l	--	--	--	--	20	<5	<5	4	15	31
Chloride	mg/l	--	250	--	--	12	13	10	22.9	16	11
Conductivity	uS/cm	--	--	--	--	570	515	340	550	500	480
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*300*	*340*	*250*	*312.7*	*342*	*274*
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.46	<0.27	0.14	*0.26*	*0.17*	*0.22*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.46	0.27	0.27	0.27	0.35	0.25
pH	-	--	--	8.5	--	7.1	7.1	7.26	6.5	6.5	6.7
Temperature	deg c	--	15	--	--	7	7	6	5	13	9
Total Dissolved Solids	mg/l	--	500	--	--	370	400	380	452	448	324
Total Organic Carbon	mg/l	--	--	--	--	7.7	1.2	1.4	1.7	3.9	33.1
Metals											
Boron, Dissolved	mg/l	5	--	--	--	0.05	0.07	<0.05	--	0.07	0.03
Calcium, Dissolved	mg/l	--	--	--	--	85	96	70	89	94	75
Iron, Dissolved	mg/l	--	0.3	--	--	0.07	0.05	<0.05	0.01	0.04	<0.01
Magnesium, Dissolved	mg/l	--	--	--	--	22	25	19	22	26	21
Potassium, Dissolved	mg/l	--	--	--	--	<1	<1	<1	<1	<1	<1
Sodium, Dissolved	mg/l	--	200 [10]	--	--	9.3	12	6.6	17	9	7
Strontium, Dissolved	mg/l	--	--	--	--	0.13	0.2	0.1	0.16	0.143	0.115

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-6D 29-Jul-1998	98-6D 17-Sep-1998	98-6D 06-May-1999	98-6D 23-Sep-1999	98-6D 29-Sep-1999
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	640	600	620	--	564
Ammonia Nitrogen	mg/l	--	--	--	6.8	4.2	5.7	--	8.85
Chemical Oxygen Demand	mg/l	--	--	--	17	63	10	--	21
Chloride	mg/l	--	250	--	96	100	94	--	283
Conductivity	uS/cm	--	--	--	1400	1120	1150	--	900
Hardness, Calcium Carbonate	mg/l	--	--	100	*650*	*600*	*560*	--	*505.4*
Nitrogen, Organic	mg/l	--	--	0.15	*7.2*	*3.1*	*0.7*	--	*1.05*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	14	7.3	6.4	--	9.9
pH	-	--	--	8.5	7.2	7.2	6.82	--	6.6
Temperature	deg c	--	15	--	8	4	5	--	9
Total Dissolved Solids	mg/l	--	500	--	910	750	810	--	671
Total Organic Carbon	mg/l	--	--	--	11	7.4	9.4	--	7.1
Metals									
Boron, Dissolved	mg/l	5	--	--	0.25	0.24	0.27	--	--
Calcium, Dissolved	mg/l	--	--	--	160	150	140	--	130
Iron, Dissolved	mg/l	--	0.3	--	1.5	1.1	12	--	1
Magnesium, Dissolved	mg/l	--	--	--	61	54	52	--	44
Potassium, Dissolved	mg/l	--	--	--	9.5	9.5	6.8	--	8
Sodium, Dissolved	mg/l	--	200 [10]	--	45	41	41	--	36
Strontium, Dissolved	mg/l	--	--	--	1.1	1.2	0.6	--	0.71

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-6M 29-Jul-1998	98-6M 17-Sep-1998	98-6M 04-May-1999	98-6M 23-Sep-1999	98-6M 23-Sep-1999 98-6M-FD (Field Duplicate)
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	610	600	620	584	--
Ammonia Nitrogen	mg/l	--	--	--	6.1	6	8.3	7.78	--
Bromide	mg/l	--	--	--	--	--	--	<0.35	--
Chemical Oxygen Demand	mg/l	--	--	--	49	50	<5	21	--
Chloride	mg/l	--	250	--	110	100	120	144	--
Conductivity	uS/cm	--	--	--	1450	1300	1400	900	--
Fluoride	mg/l	1.5	--	--	--	--	--	0.7	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*600*	*580*	*630*	*625.91*	--
Nitrate	mg/l	-- [7]	--	--	--	--	--	0.5	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	<0.1	--
Nitrogen, Organic	mg/l	--	--	0.15	*6.9*	*2.4*	*2.7*	*0.32*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	13	8.4	11	8.1	--
pH	-	--	--	8.5	7.2	7.1	6.9	6.7	--
Phosphorus	mg/l	--	--	--	--	--	--	<0.06	<0.06
Sulfate	mg/l	--	500 [9]	--	--	--	--	10.8	--
Temperature	deg c	--	15	--	9	4	6.5	4	--
Total Dissolved Solids	mg/l	--	500	--	830	690	750	347	--
Total Organic Carbon	mg/l	--	--	--	19	6.9	10	16.2	--
Metals									
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	<0.025	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	<0.06	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	<0.001	--
Boron, Dissolved	mg/l	5	--	--	0.26	0.3	0.37	--	--
Calcium, Dissolved	mg/l	--	--	--	150	150	160	160	--
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	0.006	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	0.007	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	0.004	--
Iron, Dissolved	mg/l	--	0.3	--	8.1	17	19	20.6	--
Magnesium, Dissolved	mg/l	--	--	--	54	50	56	55.1	--
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	1.68	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	<0.006	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	<0.01	--
Potassium, Dissolved	mg/l	--	--	--	7.5	8.1	10	10.2	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	<0.007	--
Sodium, Dissolved	mg/l	--	200 [10]	--	53	43	53	48.4	--
Strontium, Dissolved	mg/l	--	--	--	0.95	0.99	1.1	1.05	--
Thallium, Dissolved	mg/l	--	--	--	--	--	--	<0.05	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	<0.003	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	0.006	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	0.017	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-6S 29-Jul-1998	98-6S 17-Sep-1998	98-6S 04-May-1999	98-6S 28-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	740	660	630	618
Ammonia Nitrogen	mg/l	--	--	--	6.4	4.6	8.5	6.93
Chemical Oxygen Demand	mg/l	--	--	--	52	45	18	30
Chloride	mg/l	--	250	--	83	88	91	122
Conductivity	uS/cm	--	--	--	1500	1370	1450	960
Hardness, Calcium Carbonate	mg/l	--	--	100	*700*	*610*	*560*	*596.97*
Nitrogen, Organic	mg/l	--	--	0.15	*1.2*	*3.4*	*0.2*	*0.97*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	7.6	8	8.7	7.9
pH	-	--	--	8.5	7.1	7.1	6.9	6.1
Temperature	deg c	--	15	--	9	5	7	18
Total Dissolved Solids	mg/l	--	500	--	910	760	750	827
Total Organic Carbon	mg/l	--	--	--	27	7.6	9.6	4.9
Metals								
Boron, Dissolved	mg/l	5	--	--	0.24	0.23	0.24	--
Calcium, Dissolved	mg/l	--	--	--	180	160	140	154
Iron, Dissolved	mg/l	--	0.3	--	19	16	20	17.3
Magnesium, Dissolved	mg/l	--	--	--	60	52	52	51.7
Potassium, Dissolved	mg/l	--	--	--	5	5	6.7	6
Sodium, Dissolved	mg/l	--	200 [10]	--	47	44	43	42
Strontium, Dissolved	mg/l	--	--	--	0.54	0.56	0.53	0.519

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-7D 30-Jul-1998	98-7D 16-Sep-1998	98-7D 26-Apr-1999	98-7D 16-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	520	540	530	490
Ammonia Nitrogen	mg/l	--	--	--	5.3	7.1	7.8	9.9
Chemical Oxygen Demand	mg/l	--	--	--	9	<5	17	27
Chloride	mg/l	--	250	--	58	72	80	56
Conductivity	uS/cm	--	--	--	1150	960	890	1050
Hardness, Calcium Carbonate	mg/l	--	--	100	*530*	*530*	*530*	*506.26*
Nitrogen, Organic	mg/l	--	--	0.15	*2.7*	*2.9*	*1.4*	0.02
Nitrogen, Total Kjeldahl	mg/l	--	--	--	8	10	9.2	9.92
pH	-	--	--	8.5	7.1	6.8	6.91	6.7
Temperature	deg c	--	15	--	10	5	4	10
Total Dissolved Solids	mg/l	--	500	--	670	720	650	580
Total Organic Carbon	mg/l	--	--	--	21	10.1	9.8	8.4
Metals								
Boron, Dissolved	mg/l	5	--	--	0.32	0.33	0.33	--
Calcium, Dissolved	mg/l	--	--	--	140	140	140	131
Iron, Dissolved	mg/l	--	0.3	--	12	17	22	20.3
Magnesium, Dissolved	mg/l	--	--	--	44	43	44	43.6
Potassium, Dissolved	mg/l	--	--	--	11	11	12	11.1
Sodium, Dissolved	mg/l	--	200 [10]	--	31	30	30	35.6
Strontium, Dissolved	mg/l	--	--	--	1.5	1.9	2	1.76

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-7M 30-Jul-1998	98-7M 16-Sep-1998	98-7M 26-Apr-1999	98-7M 16-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	450	520	470	480
Ammonia Nitrogen	mg/l	--	--	--	1.4	2.7	4.1	2.49
Chemical Oxygen Demand	mg/l	--	--	--	34	<5	12	26
Chloride	mg/l	--	250	--	25	49	43	52
Conductivity	uS/cm	--	--	--	960	850	770	1050
Hardness, Calcium Carbonate	mg/l	--	--	100	*380*	*470*	*450*	*494.79*
Nitrogen, Organic	mg/l	--	--	0.15	*1.3*	*1.1*	*1.2*	0.05
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.7	3.8	5.3	2.54
pH	-	--	--	8.5	7.3	6.9	7.28	6.86
Temperature	deg c	--	15	--	10	4	5	10
Total Dissolved Solids	mg/l	--	500	--	480	660	550	620
Total Organic Carbon	mg/l	--	--	--	25	10.4	6.7	6.5
Metals								
Boron, Dissolved	mg/l	5	--	--	0.18	0.22	0.21	--
Calcium, Dissolved	mg/l	--	--	--	99	120	110	121
Iron, Dissolved	mg/l	--	0.3	--	0.1	0.8	0.33	0.185
Magnesium, Dissolved	mg/l	--	--	--	33	41	42	46.9
Potassium, Dissolved	mg/l	--	--	--	4.8	6.4	6.5	6
Sodium, Dissolved	mg/l	--	200 [10]	--	75	54	54	55
Strontium, Dissolved	mg/l	--	--	--	0.69	1.2	1.2	1.41

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-7S 30-Jul-1998 [13]	98-7S 16-Sep-1998	98-7S 26-Apr-1999	98-7S 20-Sep-1999	98-7S 27-Sep-1999
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	--	480	390	479	--
Ammonia Nitrogen	mg/l	--	--	--	--	0.67	1.1	1.15	--
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	<5	18	--
Chloride	mg/l	--	250	--	--	28	25	59.4	--
Conductivity	uS/cm	--	--	--	--	740	640	815	--
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*390*	*390*	*522.46*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.73*	*0.7*	0.01	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	1.4	1.8	1.16	--
pH	-	--	--	8.5	--	7.3	7.4	6.97	--
Temperature	deg c	--	15	--	--	7	5	8	--
Total Dissolved Solids	mg/l	--	500	--	--	610	460	661	--
Total Organic Carbon	mg/l	--	--	--	--	8.6	5.3	6.7	--
Metals									
Boron, Dissolved	mg/l	5	--	--	--	0.17	0.14	--	--
Calcium, Dissolved	mg/l	--	--	--	--	97	94	126	--
Iron, Dissolved	mg/l	--	0.3	--	--	0.11	<0.05	<0.005	--
Magnesium, Dissolved	mg/l	--	--	--	--	36	37	50.6	--
Potassium, Dissolved	mg/l	--	--	--	--	5.1	5.3	6	--
Sodium, Dissolved	mg/l	--	200 [10]	--	--	80	42	60.2	--
Strontium, Dissolved	mg/l	--	--	--	--	0.85	1.3	1.92	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-8D 30-Jul-1998	98-8D 16-Sep-1998	98-8D 26-Apr-1999	98-8D 20-Sep-1999	98-8D 27-Sep-1999	98-8D 26-May-2000	98-8D 15-Oct-2000	98-8D 08-May-2001
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	210	210	160	226	--	234	--	226
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	0.27	0.02	--	0.11	--	0.02
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	10	--	14	--	25
Chloride	mg/l	--	250	--	43	45	41	49.3	--	41	--	43
Conductivity	uS/cm	--	--	--	530	425	440	510	--	420	--	660
Hardness, Calcium Carbonate	mg/l	--	--	100	60	40	12.6	20.534	--	12	--	8
Nitrogen, Organic	mg/l	--	--	0.15	<0.94	<0.38	0.09	*0.29*	--	*0.54*	--	*0.38*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.94	0.38	0.36	0.31	--	0.65	--	0.4
pH	-	--	--	8.5	*8.9*	*8.7*	*8.72*	*8.55*	--	6.6	--	6.7
Temperature	deg c	--	15	--	9	4	3	8	--	11	--	8
Total Dissolved Solids	mg/l	--	500	--	450	420	320	418	--	368	--	356
Total Organic Carbon	mg/l	--	--	--	11	4.2	4.8	6.7	--	6.2	--	27.2
Metals												
Boron, Dissolved	mg/l	5	--	--	2	2	2	--	--	2.07	--	1.99
Calcium, Dissolved	mg/l	--	--	--	11	7.7	3.4	4.54	--	3	--	3
Iron, Dissolved	mg/l	--	0.3	--	10	6	<0.05	2.29	--	0.34	--	0.02
Magnesium, Dissolved	mg/l	--	--	--	8.1	5	1	2.24	--	1	--	<1
Potassium, Dissolved	mg/l	--	--	--	1.5	1.2	1.2	2	--	<1	--	1
Sodium, Dissolved	mg/l	--	200 [10]	--	120	120	120	140	--	148	--	133
Strontium, Dissolved	mg/l	--	--	--	0.09	0.07	0.03	0.044	--	0.034	--	0.037

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-8M 30-Jul-1998	98-8M 16-Sep-1998	98-8M 26-Apr-1999	98-8M 20-Sep-1999	98-8M 27-Sep-1999	98-8M 26-May-2000	98-8M 15-Oct-2000	98-8M 08-May-2001
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	250	310	240	351	--	339	--	423
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	0.05	--	0.04	--	0.04
Chemical Oxygen Demand	mg/l	--	--	--	8	<5	6	16	--	15	--	17
Chloride	mg/l	--	250	--	41	44	40	48	--	47	--	47
Conductivity	uS/cm	--	--	--	640	520	500	550	--	600	--	690
Hardness, Calcium Carbonate	mg/l	--	--	100	*120*	70	40	36.98	--	65	--	80
Nitrogen, Organic	mg/l	--	--	0.15	<0.7	<0.47	<0.25	*0.27*	--	*0.44*	--	*0.34*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.7	0.47	0.25	0.32	--	0.48	--	0.38
pH	-	--	--	8.5	8.4	8.5	8.35	8.24	--	6.6	--	6.8
Temperature	deg c	--	15	--	11	6	4	9	--	11	--	8
Total Dissolved Solids	mg/l	--	500	--	420	450	420	437	--	672	--	612
Total Organic Carbon	mg/l	--	--	--	7.7	3.1	4.2	6.2	--	6.1	--	28.6
Metals												
Boron, Dissolved	mg/l	5	--	--	1	1.3	1.7	--	--	1.86	--	1.86
Calcium, Dissolved	mg/l	--	--	--	28	18	10	9.38	--	13	--	19
Iron, Dissolved	mg/l	--	0.3	--	2	1.2	<0.05	0.548	--	0.34	--	<0.01
Magnesium, Dissolved	mg/l	--	--	--	12	7.1	3.5	3.3	--	8	--	8
Potassium, Dissolved	mg/l	--	--	--	2.1	1.8	1.7	3	--	3	--	2
Sodium, Dissolved	mg/l	--	200 [10]	--	110	130	130	145	--	198	--	219
Strontium, Dissolved	mg/l	--	--	--	0.18	0.16	0.11	0.101	--	0.15	--	0.271

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-8S 30-Jul-1998	98-8S 16-Sep-1998	98-8S 26-Apr-1999	98-8S 20-Sep-1999	98-8S 27-Sep-1999	98-8S 26-May-2000	98-8S 08-May-2001
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	440	440	420	419	--	337	302
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	0.18	0.09	--	0.4	0.13
Chemical Oxygen Demand	mg/l	--	--	--	46	<5	<5	11	--	16	21
Chloride	mg/l	--	250	--	15	17	12	16	--	19	25
Conductivity	uS/cm	--	--	--	830	605	570	705	--	500	590
Hardness, Calcium Carbonate	mg/l	--	--	100	*450*	*400*	*400*	*316.01*	--	*293*	*172*
Nitrogen, Organic	mg/l	--	--	0.15	<1.1	<0.47	*0.25*	*0.17*	--	0.08	*0.21*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.1	0.47	0.43	0.26	--	0.48	0.34
pH	-	--	--	8.5	7.5	7.3	7.25	5.94	--	6.5	6.6
Temperature	deg c	--	15	--	12	6	5	10	--	11	10
Total Dissolved Solids	mg/l	--	500	--	480	450	450	492	--	436	388
Total Organic Carbon	mg/l	--	--	--	27	3.6	4.8	4.8	--	4.8	14.8
Metals											
Boron, Dissolved	mg/l	5	--	--	0.28	0.26	0.29	--	--	1.22	0.61
Calcium, Dissolved	mg/l	--	--	--	120	110	110	87.7	--	81	44
Iron, Dissolved	mg/l	--	0.3	--	2.4	1.6	0.59	6.71	--	0.51	0.56
Magnesium, Dissolved	mg/l	--	--	--	36	31	31	23.6	--	22	15
Potassium, Dissolved	mg/l	--	--	--	1.8	1.2	1.1	1	--	1	1
Sodium, Dissolved	mg/l	--	200 [10]	--	28	24	28	22.4	--	53	97
Strontium, Dissolved	mg/l	--	--	--	1.2	1.7	1.9	1.16	--	0.519	0.776

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-9D 30-Jul-1998	98-9D 16-Sep-1998	98-9D 27-Apr-1999	98-9D 21-Sep-1999	98-9D 27-Sep-1999	98-9D 26-May-2000	98-9D 18-Sep-2000	98-9D 08-May-2001	98-9D 07-Sep-2001
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	350	360	380	398	--	382	381	370	373
Ammonia Nitrogen	mg/l	--	--	--	0.14	<0.1	0.16	0.12	--	0.13	0.11	0.1	0.11
Chemical Oxygen Demand	mg/l	--	--	--	16	<5	<5	23	--	26	41	53	18
Chloride	mg/l	--	250	--	79	69	54	57.6	--	42	45	44	44
Conductivity	uS/cm	--	--	--	960	730	680	850	--	600	700	660	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*220*	*170*	*130*	*109.77*	--	97	95	90	83
Nitrogen, Organic	mg/l	--	--	0.15	*0.84*	<0.55	0.03	*0.32*	--	*0.56*	--	*0.35*	*0.23*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.98	0.55	0.19	0.44	--	0.69	0.38	0.45	0.34
pH	-	--	--	8.5	7.8	7.7	7.72	7.5	--	6.5	7.8	6.7	--
Temperature	deg c	--	15	--	8	4	3	5	--	10	10	8	--
Total Dissolved Solids	mg/l	--	500	--	410	560	540	604	--	536	584	536	600
Total Organic Carbon	mg/l	--	--	--	7.7	5.2	7.4	7	--	8.5	17.4	27.2	7.2
Metals													
Boron, Dissolved	mg/l	5	--	--	0.89	0.97	1.2	--	--	1.3	1.27	1.31	1.35
Calcium, Dissolved	mg/l	--	--	--	56	45	35	28	--	24	25	23	20
Iron, Dissolved	mg/l	--	0.3	--	0.06	0.06	0.38	0.15	--	0.14	0.1	0.13	0.09
Magnesium, Dissolved	mg/l	--	--	--	19	15	11	9.7	--	9	8	8	8
Potassium, Dissolved	mg/l	--	--	--	2.1	2.2	2.2	2	--	2	2	2	2
Sodium, Dissolved	mg/l	--	200 [10]	--	140	150	160	170	--	191	180	170	183
Strontium, Dissolved	mg/l	--	--	--	0.86	0.75	1.1	0.97	--	0.826	0.746	0.827	0.62

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-9M 30-Jul-1998	98-9M 16-Sep-1998	98-9M 27-Apr-1999	98-9M 21-Sep-1999	98-9M 27-Sep-1999	98-9M 26-May-2000	98-9M 20-Sep-2000	98-9M 08-May-2001	98-9M 07-Sep-2001
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	450	440	410	447	--	502	394	382	427
Ammonia Nitrogen	mg/l	--	--	--	0.42	0.45	0.86	1.08	--	1.1	1.03	0.62	1.19
Chemical Oxygen Demand	mg/l	--	--	--	19	<5	<5	16	--	14	16	28	19
Chloride	mg/l	--	250	--	26	24	24	23	--	26	20	23	18
Conductivity	uS/cm	--	--	--	860	680	600	790	--	670	600	460	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*410*	*400*	*360*	*373*	--	*481*	*370*	*344*	*383*
Nitrogen, Organic	mg/l	--	--	0.15	*0.88*	*0.65*	*0.34*	0.01	--	*0.43*	--	*0.37*	0.06
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.3	1.1	1.2	1.09	--	1.53	1.18	0.99	1.25
pH	-	--	--	8.5	7.4	7.1	7.29	6.8	--	6.4	6.7	6.4	--
Temperature	deg c	--	15	--	9	5	4	5	--	9	12	8	--
Total Dissolved Solids	mg/l	--	500	--	460	470	460	524	--	588	452	452	548
Total Organic Carbon	mg/l	--	--	--	8.6	4.2	4.9	4.4	--	6.6	5.2	18.5	4.6
Metals													
Boron, Dissolved	mg/l	5	--	--	0.39	0.38	0.47	--	--	0.52	0.55	0.48	0.36
Calcium, Dissolved	mg/l	--	--	--	110	110	93	100	--	128	105	93	102
Iron, Dissolved	mg/l	--	0.3	--	0.08	<0.05	<0.05	0.042	--	<0.01	0.19	0.11	0.27
Magnesium, Dissolved	mg/l	--	--	--	32	30	30	30	--	39	26	27	31
Potassium, Dissolved	mg/l	--	--	--	3.5	4	3.8	5	--	5	5	4	5
Sodium, Dissolved	mg/l	--	200 [10]	--	45	37	47	39	--	48	37	38	34
Strontium, Dissolved	mg/l	--	--	--	0.66	0.79	0.7	0.92	--	1.12	0.939	0.978	1.2

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-9S 30-Jul-1998	98-9S 16-Sep-1998	98-9S 27-Apr-1999	98-9S 21-Sep-1999	98-9S 27-Sep-1999	98-9S 26-May-2000	98-9S 18-Sep-2000	98-9S 18-Sep-2000 98-9S-FD (Field Duplicate)	98-9S 08-May-2001
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	350	370	340	353	--	337	349	351	318
Ammonia Nitrogen	mg/l	--	--	--	0.46	0.34	0.4	--	--	0.55	0.54	0.56	0.39
Chemical Oxygen Demand	mg/l	--	--	--	<5	6	<5	8	--	7	<4	8	19
Chloride	mg/l	--	250	--	31	28	19	72.6	--	17	20	20	16
Conductivity	uS/cm	--	--	--	850	670	560	870	--	570	650	--	620
Hardness, Calcium Carbonate	mg/l	--	--	100	*450*	*450*	*420*	*455.8*	--	*441*	*454*	*459*	*363*
Nitrogen, Organic	mg/l	--	--	0.15	*0.84*	*0.66*	--	--	--	*0.44*	--	--	*0.19*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.3	1	0.4	--	--	0.99	0.73	0.67	0.58
pH	-	--	--	8.5	7.6	7.2	7.27	6.8	--	6.4	7	--	6.8
Temperature	deg c	--	15	--	9	7	5	3	--	9	10	--	9
Total Dissolved Solids	mg/l	--	500	--	500	550	480	630	--	508	536	548	444
Total Organic Carbon	mg/l	--	--	--	2.6	2.9	1.9	1.9	--	2.4	1.9	2.4	19.7
Metals													
Boron, Dissolved	mg/l	5	--	--	0.05	<0.05	<0.05	--	--	0.05	0.03	0.03	0.01
Calcium, Dissolved	mg/l	--	--	--	120	120	110	120	--	114	119	121	96
Iron, Dissolved	mg/l	--	0.3	--	0.1	0.08	<0.05	0.012	--	<0.01	<0.01	0.06	<0.01
Magnesium, Dissolved	mg/l	--	--	--	36	36	34	38	--	38	38	38	30
Potassium, Dissolved	mg/l	--	--	--	1.3	1.6	1.3	1	--	1	1	1	1
Sodium, Dissolved	mg/l	--	200 [10]	--	26	17	14	21	--	14	13	13	11
Strontium, Dissolved	mg/l	--	--	--	0.3	0.3	0.24	0.27	--	0.26	0.231	0.224	0.223

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	98-9S 07-Sep-2001	98-9S 07-Sep-2001 98-9S-FD (Field Duplicate)
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	329	330
Ammonia Nitrogen	mg/l	--	--	--	0.7	0.71
Chemical Oxygen Demand	mg/l	--	--	--	11	5
Chloride	mg/l	--	250	--	38	35
Conductivity	uS/cm	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*437*	*416*
Nitrogen, Organic	mg/l	--	--	0.15	0.03	0.05
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.73	0.76
pH	-	--	--	8.5	--	--
Temperature	deg c	--	15	--	--	--
Total Dissolved Solids	mg/l	--	500	--	540	528
Total Organic Carbon	mg/l	--	--	--	1.9	1.7
Metals						
Boron, Dissolved	mg/l	5	--	--	0.04	0.04
Calcium, Dissolved	mg/l	--	--	--	109	102
Iron, Dissolved	mg/l	--	0.3	--	0.01	<0.01
Magnesium, Dissolved	mg/l	--	--	--	40	39
Potassium, Dissolved	mg/l	--	--	--	1	2
Sodium, Dissolved	mg/l	--	200 [10]	--	15	13
Strontium, Dissolved	mg/l	--	--	--	0.249	0.243

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-10D 27-Sep-1999	99-10D 01-Jun-2000	99-10D 15-May-2001
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	274	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--
Chemical Oxygen Demand	mg/l	--	--	--	8	--	--
Chloride	mg/l	--	250	--	1150	--	--
Conductivity	uS/cm	--	--	--	2800	2300	2270
Hardness, Calcium Carbonate	mg/l	--	--	100	*551.7*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.2	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.2	--	--
pH	-	--	--	8.5	6.9	6.3	6.3
Temperature	deg c	--	15	--	10	7	7
Total Dissolved Solids	mg/l	--	500	--	2120	--	--
Total Organic Carbon	mg/l	--	--	--	1.9	--	--
Metals							
Calcium, Dissolved	mg/l	--	--	--	160	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.005	--	--
Magnesium, Dissolved	mg/l	--	--	--	37	--	--
Potassium, Dissolved	mg/l	--	--	--	3	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	510	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-10M 27-Sep-1999	99-10M 01-Jun-2000	99-10M 15-May-2001
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	284	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<4	--	--
Chloride	mg/l	--	250	--	1110	--	--
Conductivity	uS/cm	--	--	--	3150	920	890
Hardness, Calcium Carbonate	mg/l	--	--	100	*564*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.1	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.1	--	--
pH	-	--	--	8.5	7.18	6.2	6.4
Temperature	deg c	--	15	--	9	7.5	8
Total Dissolved Solids	mg/l	--	500	--	2040	--	--
Total Organic Carbon	mg/l	--	--	--	1.4	--	--
Metals							
Calcium, Dissolved	mg/l	--	--	--	160	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.005	--	--
Magnesium, Dissolved	mg/l	--	--	--	40	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	480	--	--
Strontium, Dissolved	mg/l	--	--	--	0.34	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-10S 27-Sep-1999	99-10S 01-Jun-2000	99-10S 01-Jun-2000 99-10S-FD (Field Duplicate)	99-10S 15-May-2001
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	184	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	8	--	--	--
Chloride	mg/l	--	250	--	383	--	--	--
Conductivity	uS/cm	--	--	--	1600	500	--	550
Hardness, Calcium Carbonate	mg/l	--	--	100	*361.1*	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.2	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.2	--	--	--
pH	-	--	--	8.5	7.09	5.8	--	6.1
Temperature	deg c	--	15	--	7	8	--	10
Total Dissolved Solids	mg/l	--	500	--	995	--	--	--
Total Organic Carbon	mg/l	--	--	--	1.7	--	--	--
Metals								
Calcium, Dissolved	mg/l	--	--	--	110	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.005	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	21	--	--	--
Potassium, Dissolved	mg/l	--	--	--	3	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	190	--	--	--
Strontium, Dissolved	mg/l	--	--	--	0.33	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-11D 27-Sep-1999	99-11D 28-Sep-1999	99-11D 01-Jun-2000	99-11D 09-May-2001
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	173	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<4	--	--	--
Chloride	mg/l	--	250	--	35.7	--	--	--
Conductivity	uS/cm	--	--	--	2700	--	445	510
Hardness, Calcium Carbonate	mg/l	--	--	100	*331.68*	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.2	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.2	--	--	--
pH	-	--	--	8.5	6.7	--	6.2	6.2
Temperature	deg c	--	15	--	5	--	9.5	7
Total Dissolved Solids	mg/l	--	500	--	278	--	--	--
Total Organic Carbon	mg/l	--	--	--	0.5	--	--	--
Metals								
Calcium, Dissolved	mg/l	--	--	--	87.9	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.012	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	27.3	--	--	--
Potassium, Dissolved	mg/l	--	--	--	2	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	24.6	--	--	--
Strontium, Dissolved	mg/l	--	--	--	0.598	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-11M 28-Sep-1999	99-11M 01-Jun-2000	99-11M 14-Oct-2000	99-11M 09-May-2001
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	217	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<4	--	--	--
Chloride	mg/l	--	250	--	48.7	--	--	--
Conductivity	uS/cm	--	--	--	430	490	--	490
Hardness, Calcium Carbonate	mg/l	--	--	100	*263.82*	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.2	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.2	--	--	--
pH	-	--	--	8.5	7.46	6.2	--	6.3
Temperature	deg c	--	15	--	7	9.5	--	9
Total Dissolved Solids	mg/l	--	500	--	420	--	--	--
Total Organic Carbon	mg/l	--	--	--	0.6	--	--	--
Metals								
Calcium, Dissolved	mg/l	--	--	--	68.3	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.014	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	22.7	--	--	--
Potassium, Dissolved	mg/l	--	--	--	2	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	30.6	--	--	--
Strontium, Dissolved	mg/l	--	--	--	1.05	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-11S 28-Sep-1999	99-11S 01-Jun-2000	99-11S 09-May-2001
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	205	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--
Chemical Oxygen Demand	mg/l	--	--	--	7	--	--
Chloride	mg/l	--	250	--	102	--	--
Conductivity	uS/cm	--	--	--	500	450	490
Hardness, Calcium Carbonate	mg/l	--	--	100	*118.4*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.2	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.2	--	--
pH	-	--	--	8.5	7.34	6.3	6.6
Temperature	deg c	--	15	--	8	10.5	9
Total Dissolved Solids	mg/l	--	500	--	1860	--	--
Total Organic Carbon	mg/l	--	--	--	0.5	--	--
Metals							
Calcium, Dissolved	mg/l	--	--	--	28.5	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.036	--	--
Magnesium, Dissolved	mg/l	--	--	--	11.5	--	--
Potassium, Dissolved	mg/l	--	--	--	2	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	59.5	--	--
Strontium, Dissolved	mg/l	--	--	--	0.999	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-1D 16-Feb-1999	99-1D 16-Feb-1999 99-1D-FD (Field Duplicate)	99-1D 26-Apr-1999	99-1D 23-Sep-1999	99-1D 29-May-2000	99-1D 20-Sep-2000	99-1D 14-May-2001	99-1D 11-Sep-2001
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	290	--	310	--	354	--	333	--
Ammonia Nitrogen	mg/l	--	--	--	0.1	--	1.6	<0.05	0.03	--	0.05	--
Chemical Oxygen Demand	mg/l	--	--	--	26	--	<5	31	10	--	11	--
Chloride	mg/l	--	250	--	94	--	86	--	77	--	84	--
Conductivity	uS/cm	--	--	--	1185	--	1000	910	650	700	850	950
Hardness, Calcium Carbonate	mg/l	--	--	100	*440*	--	*430*	*384.1*	*398*	--	*381*	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.31*	--	*0.8*	<0.5	0.13	--	0.07	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.41	--	2.4	0.5	0.16	--	0.12	--
pH	-	--	--	8.5	--	--	7.77	7.86	6	7	7.2	7.5
Temperature	deg c	--	15	--	8	--	9.5	8	10	11	9	7.5
Total Dissolved Solids	mg/l	--	500	--	690	--	610	--	556	--	604	--
Total Organic Carbon	mg/l	--	--	--	2.2	--	5.3	1	2.6	--	11.3	--
Metals												
Boron, Dissolved	mg/l	5	--	--	0.06	--	0.11	--	0.08	--	0.09	--
Calcium, Dissolved	mg/l	--	--	--	130	--	110	94.6	95	--	90	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	1.5	0.581	0.62	--	0.89	--
Magnesium, Dissolved	mg/l	--	--	--	28	--	37	36	39	--	38	--
Potassium, Dissolved	mg/l	--	--	--	4.2	--	3.1	2	3	--	2	--
Sodium, Dissolved	mg/l	--	200 [10]	--	45	--	41	53.1	53	--	50	--
Strontium, Dissolved	mg/l	--	--	--	0.3	--	0.32	0.398	0.45	--	0.629	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-1M 16-Feb-1999	99-1M 16-Feb-1999 99-1M-FD (Field Duplicate)	99-1M 26-Apr-1999	99-1M 23-Sep-1999	99-1M 29-May-2000	99-1M 18-Sep-2000	99-1M 14-May-2001	99-1M 11-Sep-2001
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	250	--	220	281	233	--	220	--
Ammonia Nitrogen	mg/l	--	--	--	0.09	--	0.11	0.12	<0.02	--	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	41	<4	--	8	--
Chloride	mg/l	--	250	--	63	--	36	132	37	--	51	--
Conductivity	uS/cm	--	--	--	915	--	800	1000	500	800	650	900
Hardness, Calcium Carbonate	mg/l	--	--	100	*340*	--	*280*	*536.9*	*296*	--	*289*	--
Nitrogen, Organic	mg/l	--	--	0.15	0.06	--	*0.49*	*0.18*	<0.21	--	*0.18*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.15	--	0.6	0.3	0.21	--	0.18	--
pH	-	--	--	8.5	--	--	7.85	7.21	5.9	7	7.1	7.4
Temperature	deg c	--	15	--	8	--	9.5	9	10	11	9	8
Total Dissolved Solids	mg/l	--	500	--	460	--	340	821	396	--	436	--
Total Organic Carbon	mg/l	--	--	--	0.7	--	0.6	1.7	1.7	--	7	--
Metals												
Boron, Dissolved	mg/l	5	--	--	<0.05	--	0.07	--	0.03	--	0.03	--
Calcium, Dissolved	mg/l	--	--	--	100	--	83	159	84	--	81	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	<0.05	0.047	<0.01	--	0.01	--
Magnesium, Dissolved	mg/l	--	--	--	21	--	18	34	21	--	21	--
Potassium, Dissolved	mg/l	--	--	--	3	--	2.1	4	2	--	2	--
Sodium, Dissolved	mg/l	--	200 [10]	--	39	--	23	55.4	25	--	28	--
Strontium, Dissolved	mg/l	--	--	--	0.1	--	0.08	0.148	0.077	--	0.084	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-1S 16-Feb-1999	99-1S 16-Feb-1999 99-1S-FD (Field Duplicate)	99-1S 26-Apr-1999	99-1S 23-Sep-1999	99-1S 29-May-2000	99-1S 18-Sep-2000	99-1S 14-May-2001	99-1S 11-Sep-2001
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	230	--	210	273	229	--	209	--
Ammonia Nitrogen	mg/l	--	--	--	0.11	--	<0.1	<0.05	0.03	--	0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	7	<4	--	8	--
Chloride	mg/l	--	250	--	31	--	16	63.4	14	--	36	--
Conductivity	uS/cm	--	--	--	740	--	750	1050	470	750	550	800
Hardness, Calcium Carbonate	mg/l	--	--	100	*300*	--	*260*	*592.48*	*286*	--	*275*	--
Nitrogen, Organic	mg/l	--	--	0.15	0.08	--	<2	<0.3	*0.23*	--	0.14	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.19	--	2	0.3	0.26	--	0.16	--
pH	-	--	--	8.5	--	--	7.7	7.29	6	7	6.6	7.3
Temperature	deg c	--	15	--	7	--	8	10	10	12	8.5	8
Total Dissolved Solids	mg/l	--	500	--	430	--	260	837	368	--	408	--
Total Organic Carbon	mg/l	--	--	--	<0.5	--	0.7	1.5	1.9	--	20.7	--
Metals												
Boron, Dissolved	mg/l	5	--	--	<0.05	--	0.12	--	0.03	--	0.04	--
Calcium, Dissolved	mg/l	--	--	--	89	--	75	175	78	--	77	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	<0.05	0.035	0.02	--	0.04	--
Magnesium, Dissolved	mg/l	--	--	--	19	--	18	37.8	22	--	20	--
Potassium, Dissolved	mg/l	--	--	--	2.7	--	2.6	5	3	--	3	--
Sodium, Dissolved	mg/l	--	200 [10]	--	23	--	12	34.6	11	--	19	--
Strontium, Dissolved	mg/l	--	--	--	0.08	--	0.07	0.179	0.061	--	0.082	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-2D 16-Feb-1999	99-2D 16-Feb-1999 99-2D-FD (Field Duplicate)	99-2D 26-Apr-1999	99-2D 27-Sep-1999	99-2D 31-May-2000	99-2D 15-May-2001
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	140	--	160	184	128	81
Ammonia Nitrogen	mg/l	--	--	--	2.3	--	1.9	0.79	1.02	0.88
Chemical Oxygen Demand	mg/l	--	--	--	96	--	48	46	20	70
Chloride	mg/l	--	250	--	35	--	15	19.7	8	14
Conductivity	uS/cm	--	--	--	500	--	--	240	255	210
Hardness, Calcium Carbonate	mg/l	--	--	100	*120*	--	*110*	*123.45*	*157*	86
Nitrogen, Organic	mg/l	--	--	0.15	0.1	--	*0.6*	*0.41*	0.01	*0.53*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.4	--	2.5	1.2	1.03	1.41
pH	-	--	--	8.5	--	--	7.86	6.7	6.8	6.6
Temperature	deg c	--	15	--	7.5	--	7	7	11	8
Total Dissolved Solids	mg/l	--	500	--	330	--	190	237	112	216
Total Organic Carbon	mg/l	--	--	--	14	--	22.6	8.5	18.3	13.1
Metals										
Boron, Dissolved	mg/l	5	--	--	0.08	--	0.08	--	0.04	0.03
Calcium, Dissolved	mg/l	--	--	--	39	--	35	42	48	23
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	1.3	3.4	1.8	8
Magnesium, Dissolved	mg/l	--	--	--	5.5	--	4.4	4.5	9	7
Potassium, Dissolved	mg/l	--	--	--	13	--	4.9	3	2	1
Sodium, Dissolved	mg/l	--	200 [10]	--	40	--	38	14	--	24
Strontium, Dissolved	mg/l	--	--	--	0.29	--	0.26	0.15	0.177	0.097

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-2S 16-Feb-1999	99-2S 16-Feb-1999 99-2S-FD (Field Duplicate)	99-2S 26-Apr-1999	99-2S 28-Sep-1999	99-2S 31-May-2000	99-2S 15-May-2001
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	290	--	360	439	437	442
Ammonia Nitrogen	mg/l	--	--	--	0.28	--	0.73	3.35	2.53	2.97
Chemical Oxygen Demand	mg/l	--	--	--	30	--	<5	24	36	30
Chloride	mg/l	--	250	--	55	--	66	75.6	67	73
Conductivity	uS/cm	--	--	--	520	--	--	710	700	780
Hardness, Calcium Carbonate	mg/l	--	--	100	*370*	--	*440*	*472.12*	*509*	*416*
Nitrogen, Organic	mg/l	--	--	0.15	*0.17*	--	*1.07*	*1.65*	--	0.05
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.45	--	1.8	5	2.53	3.02
pH	-	--	--	8.5	--	--	7.96	6.7	6.8	6.5
Temperature	deg c	--	15	--	6.5	--	8	14	12	10
Total Dissolved Solids	mg/l	--	500	--	490	--	580	683	624	656
Total Organic Carbon	mg/l	--	--	--	20	--	6.5	7.1	9.3	9.8
Metals										
Boron, Dissolved	mg/l	5	--	--	0.24	--	0.33	--	0.43	0.43
Calcium, Dissolved	mg/l	--	--	--	100	--	120	118	131	102
Iron, Dissolved	mg/l	--	0.3	--	1.6	--	3.5	1.81	4.33	3.92
Magnesium, Dissolved	mg/l	--	--	--	28	--	34	43.2	44	39
Potassium, Dissolved	mg/l	--	--	--	3.7	--	4.4	7	7	7
Sodium, Dissolved	mg/l	--	200 [10]	--	34	--	35	39.5	--	43
Strontium, Dissolved	mg/l	--	--	--	1.2	--	1.5	2.1	1.87	2.06

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-3D 16-Jun-1999	99-3D 16-Sep-1999	99-3D 20-Sep-2000	99-3D 08-May-2001	99-3D 11-Sep-2001
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	190	190	--	197	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.01	--	0.03	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	7	--	14	--
Chloride	mg/l	--	250	--	7	--	--	5	--
Conductivity	uS/cm	--	--	--	490	530	380	530	525
Hardness, Calcium Carbonate	mg/l	--	--	100	*210*	*101.501*	--	59	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.24	--	0.09	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.89	0.24	--	0.12	--
pH	-	--	--	8.5	7.6	8.01	7.9	6.8	7.3
Temperature	deg c	--	15	--	11	7	10	7	9
Total Dissolved Solids	mg/l	--	500	--	290	300	--	336	--
Total Organic Carbon	mg/l	--	--	--	1	1.3	--	1.8	--
Metals									
Boron, Dissolved	mg/l	5	--	--	0.07	--	--	0.27	--
Calcium, Dissolved	mg/l	--	--	--	59	27.3	--	17	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.062	--	0.02	--
Magnesium, Dissolved	mg/l	--	--	--	14	8.11	--	4	--
Potassium, Dissolved	mg/l	--	--	--	4.4	4	--	3	--
Sodium, Dissolved	mg/l	--	200 [10]	--	27	84.9	--	100	--
Strontium, Dissolved	mg/l	--	--	--	0.5	0.193	--	0.143	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-3M 16-Jun-1999	99-3M 16-Sep-1999	99-3M 26-May-2000	99-3M 18-Sep-2000	99-3M 08-May-2001	99-3M 11-Sep-2001
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	270	240	257	--	279	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	0.04	0.09	--	0.17	--
Chemical Oxygen Demand	mg/l	--	--	--	32	<4	4	--	13	--
Chloride	mg/l	--	250	--	6.7	--	5	--	6	--
Conductivity	uS/cm	--	--	--	460	475	470	390	400	525
Hardness, Calcium Carbonate	mg/l	--	--	100	*250*	*271.45*	*279*	--	*299*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.01	0.02	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2	<0.05	0.11	--	0.17	--
pH	-	--	--	8.5	7.3	7.01	7.1	6.7	6.8	7.1
Temperature	deg c	--	15	--	6	7	8	10	8	7.5
Total Dissolved Solids	mg/l	--	500	--	310	180	300	--	328	--
Total Organic Carbon	mg/l	--	--	--	1.4	<0.1	1.6	--	1.5	--
Metals										
Boron, Dissolved	mg/l	5	--	--	<0.05	--	0.01	--	<0.01	--
Calcium, Dissolved	mg/l	--	--	--	76	84.8	87	--	85	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.017	0.08	--	0.18	--
Magnesium, Dissolved	mg/l	--	--	--	15	14.5	15	--	21	--
Potassium, Dissolved	mg/l	--	--	--	3.3	3	3	--	3	--
Sodium, Dissolved	mg/l	--	200 [10]	--	21	7.44	4	--	4	--
Strontium, Dissolved	mg/l	--	--	--	0.61	0.857	0.636	--	0.727	--

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-3S 31-May-2000
General Chemistry					
Alkalinity as CaCO3	mg/l	--	--	--	264
Ammonia Nitrogen	mg/l	--	--	--	0.04
Chemical Oxygen Demand	mg/l	--	--	--	24
Chloride	mg/l	--	250	--	4
Conductivity	uS/cm	--	--	--	450
Hardness, Calcium Carbonate	mg/l	--	--	100	*252*
Nitrogen, Organic	mg/l	--	--	0.15	0.02
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.06
pH	-	--	--	8.5	5.9
Temperature	deg c	--	15	--	19
Total Dissolved Solids	mg/l	--	500	--	360
Total Organic Carbon	mg/l	--	--	--	2.7
Metals					
Boron, Dissolved	mg/l	5	--	--	0.03
Calcium, Dissolved	mg/l	--	--	--	76
Iron, Dissolved	mg/l	--	0.3	--	0.05
Magnesium, Dissolved	mg/l	--	--	--	15
Potassium, Dissolved	mg/l	--	--	--	8
Strontium, Dissolved	mg/l	--	--	--	1.38

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-4D 16-Jun-1999	99-4D 20-Sep-1999	99-4D 31-May-2000	99-4D 20-Sep-2000	99-4D 08-May-2001	99-4D 11-Sep-2001
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	180	197	216	--	218	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	0.1	<0.02	--	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	8	15	--	14	--
Chloride	mg/l	--	250	--	8.2	8.2	4	--	6	--
Conductivity	uS/cm	--	--	--	390	410	400	500	520	575
Hardness, Calcium Carbonate	mg/l	--	--	100	*210*	*152.96*	*118*	--	*104*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.26*	<0.05	--	0.14	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.83	0.36	<0.05	--	0.14	--
pH	-	--	--	8.5	8	7.68	5.8	7.7	6.2	7.4
Temperature	deg c	--	15	--	5	8	11	10	8	9.5
Total Dissolved Solids	mg/l	--	500	--	240	317	320	--	292	--
Total Organic Carbon	mg/l	--	--	--	3.6	4.5	3.6	--	8.5	--
Metals										
Boron, Dissolved	mg/l	5	--	--	<0.05	--	0.65	--	0.59	--
Calcium, Dissolved	mg/l	--	--	--	59	39.7	29	--	25	--
Iron, Dissolved	mg/l	--	0.3	--	0.09	0.132	0.07	--	<0.01	--
Magnesium, Dissolved	mg/l	--	--	--	16	13.1	11	--	10	--
Potassium, Dissolved	mg/l	--	--	--	2.8	3	3	--	3	--
Sodium, Dissolved	mg/l	--	200 [10]	--	7.8	55.9	--	--	75	--
Strontium, Dissolved	mg/l	--	--	--	0.21	0.233	0.24	--	0.259	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-4M 16-Jun-1999	99-4M 20-Sep-1999	99-4M 26-May-2000	99-4M 18-Sep-2000	99-4M 08-May-2001	99-4M 11-Sep-2001
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	250	324	256	--	289	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	0.16	0.06	--	0.06	--
Chemical Oxygen Demand	mg/l	--	--	--	50	<5	13	--	14	--
Chloride	mg/l	--	250	--	4.9	48.6	5	--	7	--
Conductivity	uS/cm	--	--	--	485	500	460	400	500	550
Hardness, Calcium Carbonate	mg/l	--	--	100	*250*	*346.59*	*278*	--	*299*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.22*	0.12	--	*0.21*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2	0.38	0.18	--	0.27	--
pH	-	--	--	8.5	7.3	6.94	7.1	6.7	6.9	7.3
Temperature	deg c	--	15	--	6	9	8	12	8	9
Total Dissolved Solids	mg/l	--	500	--	290	397	292	--	336	--
Total Organic Carbon	mg/l	--	--	--	3.9	3.7	4.6	--	4.4	--
Metals										
Boron, Dissolved	mg/l	5	--	--	<0.05	--	0.03	--	0.03	--
Calcium, Dissolved	mg/l	--	--	--	77	106	93	--	95	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.359	0.16	--	0.19	--
Magnesium, Dissolved	mg/l	--	--	--	13	19.9	11	--	15	--
Potassium, Dissolved	mg/l	--	--	--	1.2	<1	1	--	2	--
Sodium, Dissolved	mg/l	--	200 [10]	--	11	18.3	3	--	6	--
Strontium, Dissolved	mg/l	--	--	--	0.24	0.467	0.309	--	0.443	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-4S 26-May-2000	99-4S 18-Sep-2000
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	222	--
Ammonia Nitrogen	mg/l	--	--	--	0.17	--
Chemical Oxygen Demand	mg/l	--	--	--	21	--
Chloride	mg/l	--	250	--	4	--
Conductivity	uS/cm	--	--	--	450	500
Hardness, Calcium Carbonate	mg/l	--	--	100	*180*	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.22*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.39	--
pH	-	--	--	8.5	7.2	8.2
Temperature	deg c	--	15	--	8	15
Total Dissolved Solids	mg/l	--	500	--	280	--
Total Organic Carbon	mg/l	--	--	--	8.5	--
Metals						
Boron, Dissolved	mg/l	5	--	--	0.03	--
Calcium, Dissolved	mg/l	--	--	--	54	--
Iron, Dissolved	mg/l	--	0.3	--	0.02	--
Magnesium, Dissolved	mg/l	--	--	--	11	--
Potassium, Dissolved	mg/l	--	--	--	2	--
Sodium, Dissolved	mg/l	--	200 [10]	--	36	--
Strontium, Dissolved	mg/l	--	--	--	0.145	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-5D 16-Jun-1999	99-5D 20-Sep-1999	99-5D 21-Sep-1999	99-5D 26-May-2000	99-5D 09-May-2001
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	380	359	302	282	322
Ammonia Nitrogen	mg/l	--	--	--	1.4	6.44	0.02	2.81	3.59
Chemical Oxygen Demand	mg/l	--	--	--	27	34	11	21	25
Chloride	mg/l	--	250	--	27	6.6	59	11	17
Conductivity	uS/cm	--	--	--	770	920	520	540	525
Hardness, Calcium Carbonate	mg/l	--	--	100	*370*	*479.48*	*293.8*	*283*	*262*
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.31*	0.05	--	*0.49*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.6	6.75	0.07	2.81	4.08
pH	-	--	--	8.5	6.9	6.72	7.1	6.8	6.9
Temperature	deg c	--	15	--	4	7	6.5	7.5	8
Total Dissolved Solids	mg/l	--	500	--	480	460	393	356	404
Total Organic Carbon	mg/l	--	--	--	7.7	13.7	2.5	6.7	7.4
Metals									
Boron, Dissolved	mg/l	5	--	--	0.33	--	--	0.17	0.24
Calcium, Dissolved	mg/l	--	--	--	110	138	88	82	77
Iron, Dissolved	mg/l	--	0.3	--	0.71	5.1	0.069	6.11	7.12
Magnesium, Dissolved	mg/l	--	--	--	22	32.8	18	19	17
Potassium, Dissolved	mg/l	--	--	--	4.4	10.6	1	4	6
Sodium, Dissolved	mg/l	--	200 [10]	--	26	61.9	11	18	29
Strontium, Dissolved	mg/l	--	--	--	0.96	1.45	0.83	0.766	0.919

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-5M 16-Jun-1999	99-5M 20-Sep-1999	99-5M 26-May-2000	99-5M 15-Oct-2000	99-5M 09-May-2001
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	280	440	248	--	247
Ammonia Nitrogen	mg/l	--	--	--	0.18	5.22	0.79	--	0.32
Chemical Oxygen Demand	mg/l	--	--	--	29	25	15	--	11
Chloride	mg/l	--	250	--	7.1	41.5	6	--	6
Conductivity	uS/cm	--	--	--	580	705	485	--	500
Hardness, Calcium Carbonate	mg/l	--	--	100	*300*	*416.36*	*284*	--	*234*
Nitrogen, Organic	mg/l	--	--	0.15	--	0.13	--	--	0.15
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.2	5.35	0.79	--	0.47
pH	-	--	--	8.5	7.3	6.61	6.9	--	7
Temperature	deg c	--	15	--	5	7	8.5	--	8
Total Dissolved Solids	mg/l	--	500	--	360	527	312	--	320
Total Organic Carbon	mg/l	--	--	--	5.6	12.3	5.3	--	5.2
Metals									
Boron, Dissolved	mg/l	5	--	--	0.14	--	0.06	--	0.03
Calcium, Dissolved	mg/l	--	--	--	85	118	79	--	69
Iron, Dissolved	mg/l	--	0.3	--	0.51	1.95	2.13	--	2.59
Magnesium, Dissolved	mg/l	--	--	--	21	29.6	21	--	15
Potassium, Dissolved	mg/l	--	--	--	2.6	8	3	--	2
Sodium, Dissolved	mg/l	--	200 [10]	--	21	38.3	6	--	13
Strontium, Dissolved	mg/l	--	--	--	0.82	1.31	0.868	--	0.788

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-5S 16-Jun-1999	99-5S 20-Sep-1999	99-5S 26-May-2000	99-5S 08-May-2001
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	270	316	338	282
Ammonia Nitrogen	mg/l	--	--	--	0.12	0.58	0.68	0.38
Chemical Oxygen Demand	mg/l	--	--	--	110	31	6	16
Chloride	mg/l	--	250	--	9.3	15.4	15	10
Conductivity	uS/cm	--	--	--	570	505	450	520
Hardness, Calcium Carbonate	mg/l	--	--	100	*270*	*349.34*	*350*	*301*
Nitrogen, Organic	mg/l	--	--	0.15	--	*1.12*	0.07	0.11
Nitrogen, Total Kjeldahl	mg/l	--	--	--	3.8	1.7	0.75	0.49
pH	-	--	--	8.5	7.7	7.03	6.4	6.2
Temperature	deg c	--	15	--	7	8	10	10
Total Dissolved Solids	mg/l	--	500	--	340	473	412	336
Total Organic Carbon	mg/l	--	--	--	4.2	6.2	4	4.4
Metals								
Boron, Dissolved	mg/l	5	--	--	0.09	--	0.05	0.08
Calcium, Dissolved	mg/l	--	--	--	72	90.7	94	84
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.047	0.46	0.68
Magnesium, Dissolved	mg/l	--	--	--	21	29.9	28	22
Potassium, Dissolved	mg/l	--	--	--	1.3	2	4	3
Sodium, Dissolved	mg/l	--	200 [10]	--	25	20.6	20	7
Strontium, Dissolved	mg/l	--	--	--	0.73	1.25	0.727	0.942

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-6D 29-May-2000	99-6D 14-May-2001
General Chemistry						
Conductivity	uS/cm	--	--	--	--	950
pH	-	--	--	8.5	--	7.1
Temperature	deg c	--	15	--	--	8

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-6M 16-Jun-1999	99-6M 28-Sep-1999	99-6M 29-May-2000	99-6M 14-May-2001
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	140	210	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.05	--	--
Chemical Oxygen Demand	mg/l	--	--	--	42	6	--	--
Chloride	mg/l	--	250	--	2.3	1.26	--	--
Conductivity	uS/cm	--	--	--	580	605	550	550
Hardness, Calcium Carbonate	mg/l	--	--	100	*340*	*119.51*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.1	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2	0.1	--	--
pH	-	--	--	8.5	6.7	7.05	6	7.1
Temperature	deg c	--	15	--	10	8	11	7.5
Total Dissolved Solids	mg/l	--	500	--	520	485	--	--
Total Organic Carbon	mg/l	--	--	--	0.8	0.8	--	--
Metals								
Boron, Dissolved	mg/l	5	--	--	<0.05	--	--	--
Calcium, Dissolved	mg/l	--	--	--	100	29.6	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.045	--	--
Magnesium, Dissolved	mg/l	--	--	--	22	11.1	--	--
Potassium, Dissolved	mg/l	--	--	--	<1	3	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	4.4	68.9	--	--
Strontium, Dissolved	mg/l	--	--	--	0.17	0.903	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-6S 16-Jun-1999	99-6S 28-Sep-1999	99-6S 29-May-2000	99-6S 14-May-2001	99-6S 14-May-2001 99-6S-FD (Field Duplicate)
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	170	141	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.05	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	8	<4	--	--	--
Chloride	mg/l	--	250	--	2.3	8.92	--	--	--
Conductivity	uS/cm	--	--	--	730	480	550	725	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*390*	*458.28*	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.2	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.72	0.2	--	--	--
pH	-	--	--	8.5	7.2	6.9	5.9	6.8	--
Temperature	deg c	--	15	--	8	9	9	7.5	--
Total Dissolved Solids	mg/l	--	500	--	550	974	--	--	--
Total Organic Carbon	mg/l	--	--	--	0.8	0.7	--	--	--
Metals									
Boron, Dissolved	mg/l	5	--	--	<0.05	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	120	141	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	<0.05	0.037	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	22	25.8	--	--	--
Potassium, Dissolved	mg/l	--	--	--	<1	<1	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	7.7	15.7	--	--	--
Strontium, Dissolved	mg/l	--	--	--	0.17	0.192	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-7D 28-Sep-1999	99-7D 01-Jun-2000	99-7D 15-May-2001
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	186	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--
Chemical Oxygen Demand	mg/l	--	--	--	45	--	--
Chloride	mg/l	--	250	--	27.5	--	--
Conductivity	uS/cm	--	--	--	1250	1150	1200
Hardness, Calcium Carbonate	mg/l	--	--	100	*454.41*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.6	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.6	--	--
pH	-	--	--	8.5	7.7	6.4	6.7
Temperature	deg c	--	15	--	9	12	6
Total Dissolved Solids	mg/l	--	500	--	934	--	--
Total Organic Carbon	mg/l	--	--	--	1.3	--	--
Metals							
Calcium, Dissolved	mg/l	--	--	--	116	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.015	--	--
Magnesium, Dissolved	mg/l	--	--	--	40.1	--	--
Potassium, Dissolved	mg/l	--	--	--	5	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	109	--	--
Strontium, Dissolved	mg/l	--	--	--	0.438	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-7M 28-Sep-1999	99-7M 01-Jun-2000	99-7M 14-May-2001
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	182	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--
Chemical Oxygen Demand	mg/l	--	--	--	31	--	--
Chloride	mg/l	--	250	--	27.5	--	--
Conductivity	uS/cm	--	--	--	505	650	700
Hardness, Calcium Carbonate	mg/l	--	--	100	*203.14*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.9	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.9	--	--
pH	-	--	--	8.5	7.87	6.3	6.4
Temperature	deg c	--	15	--	9	14	9
Total Dissolved Solids	mg/l	--	500	--	421	--	--
Total Organic Carbon	mg/l	--	--	--	1	--	--
Metals							
Calcium, Dissolved	mg/l	--	--	--	51.9	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.013	--	--
Magnesium, Dissolved	mg/l	--	--	--	17.9	--	--
Potassium, Dissolved	mg/l	--	--	--	3	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	52.7	--	--
Strontium, Dissolved	mg/l	--	--	--	0.205	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-7S 27-Sep-1999	99-7S 01-Jun-2000	99-7S 14-May-2001
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	209	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<4	--	--
Chloride	mg/l	--	250	--	61.2	--	--
Conductivity	uS/cm	--	--	--	290	495	480
Hardness, Calcium Carbonate	mg/l	--	--	100	*208.1*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.2	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.2	--	--
pH	-	--	--	8.5	7.28	7	6.8
Temperature	deg c	--	15	--	8	7	11
Total Dissolved Solids	mg/l	--	500	--	300	--	--
Total Organic Carbon	mg/l	--	--	--	1.1	--	--
Metals							
Calcium, Dissolved	mg/l	--	--	--	57	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.009	--	--
Magnesium, Dissolved	mg/l	--	--	--	16	--	--
Potassium, Dissolved	mg/l	--	--	--	<1	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	17	--	--
Strontium, Dissolved	mg/l	--	--	--	0.12	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-8D 27-Sep-1999	99-8D 01-Jun-2000
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	157	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--
Chemical Oxygen Demand	mg/l	--	--	--	12	--
Chloride	mg/l	--	250	--	3.92	--
Conductivity	uS/cm	--	--	--	290	210
Hardness, Calcium Carbonate	mg/l	--	--	100	*323.4*	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.1	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.1	--
pH	-	--	--	8.5	7.28	6.2
Temperature	deg c	--	15	--	8	11
Total Dissolved Solids	mg/l	--	500	--	184	--
Total Organic Carbon	mg/l	--	--	--	2	--
Metals						
Calcium, Dissolved	mg/l	--	--	--	49	--
Iron, Dissolved	mg/l	--	0.3	--	3.92	--
Magnesium, Dissolved	mg/l	--	--	--	49	--
Manganese, Dissolved	mg/l	--	0.05	--	0.82	--
Potassium, Dissolved	mg/l	--	--	--	<1	--
Sodium, Dissolved	mg/l	--	200 [10]	--	6.4	--
Strontium, Dissolved	mg/l	--	--	--	0.21	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-8M 27-Sep-1999	99-8M 01-Jun-2000	99-8M 15-May-2001
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	168	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<4	--	--
Chloride	mg/l	--	250	--	3.71	--	--
Conductivity	uS/cm	--	--	--	315	240	310
Hardness, Calcium Carbonate	mg/l	--	--	100	*166.9*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.1	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.1	--	--
pH	-	--	--	8.5	7.25	6.2	6.2
Temperature	deg c	--	15	--	9	13	7
Total Dissolved Solids	mg/l	--	500	--	215	--	--
Total Organic Carbon	mg/l	--	--	--	1.8	--	--
Metals							
Calcium, Dissolved	mg/l	--	--	--	52	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.33	--	--
Magnesium, Dissolved	mg/l	--	--	--	9	--	--
Potassium, Dissolved	mg/l	--	--	--	2	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	7.2	--	--
Strontium, Dissolved	mg/l	--	--	--	0.12	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-8S 27-Sep-1999	99-8S 28-Sep-1999	99-8S 01-Jun-2000	99-8S 15-May-2001
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	183	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	31	--	--	--
Chloride	mg/l	--	250	--	36.2	--	--	--
Conductivity	uS/cm	--	--	--	380	--	220	290
Hardness, Calcium Carbonate	mg/l	--	--	100	*161.09*	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.5	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.5	--	--	--
pH	-	--	--	8.5	7.62	--	6.3	6.3
Temperature	deg c	--	15	--	10	--	15	8
Total Dissolved Solids	mg/l	--	500	--	165	--	--	--
Total Organic Carbon	mg/l	--	--	--	1.9	--	--	--
Metals								
Calcium, Dissolved	mg/l	--	--	--	44.1	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.244	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	12.4	--	--	--
Potassium, Dissolved	mg/l	--	--	--	<1	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	42.6	--	--	--
Strontium, Dissolved	mg/l	--	--	--	0.147	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-9D 27-Sep-1999	99-9D 01-Jun-2000	99-9D 15-May-2001
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	125	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--
Chemical Oxygen Demand	mg/l	--	--	--	16	--	--
Chloride	mg/l	--	250	--	19.6	--	--
Conductivity	uS/cm	--	--	--	320	300	220
Hardness, Calcium Carbonate	mg/l	--	--	100	*204.6*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.3	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.3	--	--
pH	-	--	--	8.5	7.8	6.2	6.4
Temperature	deg c	--	15	--	8	15	8
Total Dissolved Solids	mg/l	--	500	--	232	--	--
Total Organic Carbon	mg/l	--	--	--	2.3	--	--
Metals							
Calcium, Dissolved	mg/l	--	--	--	31	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.27	--	--
Magnesium, Dissolved	mg/l	--	--	--	31	--	--
Potassium, Dissolved	mg/l	--	--	--	2	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	32	--	--
Strontium, Dissolved	mg/l	--	--	--	0.18	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-9M 27-Sep-1999	99-9M 01-Jun-2000	99-9M 01-Jun-2000 99-9M-FD (Field Duplicate)	99-9M 15-May-2001
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	83	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.05	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	7	--	--	--
Chloride	mg/l	--	250	--	128	--	--	--
Conductivity	uS/cm	--	--	--	200	200	--	250
Hardness, Calcium Carbonate	mg/l	--	--	100	92.88	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.3	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.3	--	--	--
pH	-	--	--	8.5	6.81	6	--	6.5
Temperature	deg c	--	15	--	8	11	--	9
Total Dissolved Solids	mg/l	--	500	--	244	--	--	--
Total Organic Carbon	mg/l	--	--	--	2.8	--	--	--
Metals								
Calcium, Dissolved	mg/l	--	--	--	26	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	5.7	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	6.8	--	--	--
Potassium, Dissolved	mg/l	--	--	--	1	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	5.8	--	--	--
Strontium, Dissolved	mg/l	--	--	--	0.069	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	99-9S 27-Sep-1999	99-9S 01-Jun-2000	99-9S 15-May-2001
General Chemistry							
Alkalinity as CaCO3	mg/l	--	--	--	156	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.03	--	--
Chemical Oxygen Demand	mg/l	--	--	--	69	--	--
Chloride	mg/l	--	250	--	12.8	--	--
Conductivity	uS/cm	--	--	--	310	220	240
Hardness, Calcium Carbonate	mg/l	--	--	100	*243.8*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	<2.5	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.5	--	--
pH	-	--	--	8.5	7.39	6.3	6.4
Temperature	deg c	--	15	--	10	11	10
Total Dissolved Solids	mg/l	--	500	--	20	--	--
Total Organic Carbon	mg/l	--	--	--	2.5	--	--
Metals							
Calcium, Dissolved	mg/l	--	--	--	68	--	--
Iron, Dissolved	mg/l	--	0.3	--	1.5	--	--
Magnesium, Dissolved	mg/l	--	--	--	18	--	--
Potassium, Dissolved	mg/l	--	--	--	1	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	15	--	--
Strontium, Dissolved	mg/l	--	--	--	0.27	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-1D 18-May-1993	B-1D 30-Aug-1993	B-1D 24-Nov-1993	B-1D 11-May-1994	B-1D 11-May-1994 B-1D-FD (Field Duplicate)	B-1D 16-Sep-1994	B-1D 20-Apr-1995	B-1D 13-Sep-1995	B-1D 08-May-1996
General Chemistry													
Alkalinity as CaCO3	mg/l	--	--	--	550	400	580	560	570	660	680	510	610
Ammonia Nitrogen	mg/l	--	--	--	1.6	0.61	1.6	1.2	1.1	1	1.5	1.8	2.2
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<3	4
Bromide	mg/l	--	--	--	0.43	0.18	0.51	0.7	0.59	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand	mg/l	--	--	--	110	22	39	46	46	15	55	41	28
Chloride	mg/l	--	250	--	140	71	180	130	130	88	150	110	125
Conductivity	uS/cm	--	--	--	1400	800	1400	1150	1150	1100	1850	1400	1300
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.005
Fluoride	mg/l	1.5	--	--	0.22	0.46	0.38	0.49	0.49	0.32	0.12	0.31	0.56
Hardness, Calcium Carbonate	mg/l	--	--	100	*560*	*570*	*830*	*600*	*600*	*580*	*780*	*650*	*630*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<1	<1	<1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.1	<0.2	<0.2	<1.1	<1.1	<1.1	<0.2	<0.2	<0.15
Nitrogen, Organic	mg/l	--	--	0.15	*1.3*	*0.9*	*0.3*	*1.7*	*1.5*	*0.3*	*0.5*	*0.7*	*0.56*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.9	1.5	1.9	2.9	2.6	1.3	2	2.5	2.76
pH	-	--	--	8.5	6.8	7.1	7.2	7	7	7	7	7.1	6.6
Phosphate	mg/l	--	--	--	1.2	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--
Phosphorus	mg/l	--	--	--	1.5	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	<1
Sulfate	mg/l	--	500 [9]	--	33	46	36	29	28	25	21	24	29
Temperature	deg c	--	15	--	9	11	8	10	10	11	9	11	6.5
Total Dissolved Solids	mg/l	--	500	--	910	570	880	830	820	750	910	830	910
Total Organic Carbon	mg/l	--	--	--	14	4.6	13	18	16	10	13	9.9	37
Metals													
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.07	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1
Arsenic, Dissolved	mg/l	0.025	--	--	0.0012	0.004	<0.002	0.003	0.006	<0.002	<0.002	<0.002	<0.005
Barium, Dissolved	mg/l	1	--	--	0.26	0.15	0.26	0.26	0.26	0.23	0.34	0.28	0.27
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Boron, Dissolved	mg/l	5	--	--	0.23	0.17	0.28	0.26	0.24	0.09	0.29	0.32	0.4
Cadmium, Dissolved	mg/l	0.005	--	--	0.0009	<0.005	0.00026	<0.0002	<0.0002	0.0003	<0.005	<0.005	<0.00008
Calcium, Dissolved	mg/l	--	--	--	170	150	220	144	145	143	220	160	158
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Iron, Dissolved	mg/l	--	0.3	--	0.13	0.09	0.12	0.17	0.17	0.12	0.17	0.17	0.26
Lead, Dissolved	mg/l	0.01	--	--	**0.02**	<0.01	0.009	0.008	0.003	**0.018**	**0.018**	**0.024**	<0.0006
Magnesium, Dissolved	mg/l	--	--	--	60	48	68	57	57	53	74	61	58
Manganese, Dissolved	mg/l	--	0.05	--	1.2	0.76	1.3	1.1	1.09	1.04	1.5	1.2	1.3
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04
Nickel, Dissolved	mg/l	--	--	--	0.01	<0.01	0.01	0.01	<0.01	0.01	<0.01	<0.01	<0.03
Potassium, Dissolved	mg/l	--	--	--	4.9	2.7	4.2	5.26	5	4.5	9	5.6	7.1
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	11	10	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.02
Sodium, Dissolved	mg/l	--	200 [10]	--	76	37	59	71	70	73	120	72	96
Strontium, Dissolved	mg/l	--	--	--	7.9	4.5	7.3	6.87	6.84	6.9	10	8	7.7
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Vanadium, Dissolved	mg/l	--	--	--	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	<0.01
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-1D 26-Sep-1996	B-1D 06-May-1997	B-1D 30-Sep-1997	B-1D 11-May-1998	B-1D 21-Sep-1998	B-1D 29-Apr-1999	B-1D 22-Sep-1999
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	530	490	450	510	460	--	443
Ammonia Nitrogen	mg/l	--	--	--	1	2.2	1.7	1.4	1.8	2.7	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	3.9	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.49	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	16	19	11	41	7	23
Chloride	mg/l	--	250	--	110	78	79	100	80	--	83.5
Conductivity	uS/cm	--	--	--	980	1000	820	1200	870	900	820
Cyanide	mg/l	0.2	--	--	<0.005	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.46	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*460*	*490*	*430*	*530*	*440*	*540*	*410.88*
Nitrate	mg/l	-- [7]	--	--	<0.05	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	<0.1	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.15	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.9*	*1.4*	*0.7*	*0.9*	*0.7*	*0.8*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.9	3.6	2.4	2.3	2.5	3.5	--
pH	-	--	--	8.5	7.4	7.6	6.7	7.3	7.4	7.16	6.5
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.2	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	38	--	--	--	--	--	--
Temperature	deg c	--	15	--	10.5	6	10	10	9	5	4
Total Dissolved Solids	mg/l	--	500	--	760	660	590	720	560	--	662
Total Organic Carbon	mg/l	--	--	--	12	10	<0.5	10.3	6.5	10.3	5.7
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	*0.12*	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	<0.005	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	0.24	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.49	0.26	0.18	0.24	0.2	0.28	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	130	130	110	130	110	130	99.9
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	<0.09	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	<0.02	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	2.5	0.31	0.16	1.3	0.18	0.29	0.169
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	49	40	37	49	41	52	39.3
Manganese, Dissolved	mg/l	--	0.05	--	0.57	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.04	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	<0.03	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	5	5.4	4.9	5.1	5	7.2	4
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.02	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	70	62	50	71	59	82	67.3
Strontium, Dissolved	mg/l	--	--	--	6.5	5.6	4.9	6.6	5.5	6.8	4.89
Thallium, Dissolved	mg/l	--	--	--	<1	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-1S 18-May-1993	B-1S 30-Aug-1993	B-1S 24-Nov-1993	B-1S 11-May-1994	B-1S 16-Sep-1994	B-1S 20-Apr-1995	B-1S 13-Sep-1995	B-1S 08-May-1996	B-1S 26-Sep-1996	B-1S 06-May-1997
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	510	500	560	490	490	550	520	560	560	510
Ammonia Nitrogen	mg/l	--	--	--	0.2	0.58	1	0.7	0.31	0.72	0.98	0.96	1.3	0.94
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	3	<2	2.9	--
Bromide	mg/l	--	--	--	0.46	0.37	0.46	0.53	0.44	<0.1	<0.1	<0.1	0.54	--
Chemical Oxygen Demand	mg/l	--	--	--	88	27	51	39	16	22	32	16	<5	23
Chloride	mg/l	--	250	--	160	94	160	130	98	140	120	130	120	96
Conductivity	uS/cm	--	--	--	1400	850	1150	1150	1100	1750	1350	1300	1000	1000
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--
Fluoride	mg/l	1.5	--	--	0.21	0.46	0.41	0.46	0.33	0.13	0.33	0.54	0.46	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*680*	*640*	*760*	*560*	*560*	*730*	*630*	*605*	*440*	*540*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	--
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<1	<1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.1	<0.2	<0.2	<1.1	<1.1	<0.2	<0.2	<0.15	<0.15	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.5*	*0.27*	*0.3*	*0.9*	*0.47*	*0.38*	*1.02*	*0.48*	*0.6*	*1.16*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.7	0.85	1.3	1.6	0.78	1.1	2	1.44	1.9	2.1
pH	-	--	--	8.5	7.1	7.2	7.4	7.1	7.2	7.2	7.2	6.6	7	7.6
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	<1	<0.2	--
Sulfate	mg/l	--	500 [9]	--	31	36	32	24	22	17	22	22	37	--
Temperature	deg c	--	15	--	8	12	9	10	10.5	9	11	6	13	6
Total Dissolved Solids	mg/l	--	500	--	900	680	780	770	690	890	770	840	790	730
Total Organic Carbon	mg/l	--	--	--	12	8.3	10	14	8.4	11	9.6	29	13	11
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.1	*0.13*	--
Arsenic, Dissolved	mg/l	0.025	--	--	0.0021	0.003	<0.002	0.002	<0.002	<0.002	0.003	<0.005	<0.005	--
Barium, Dissolved	mg/l	1	--	--	0.25	0.19	0.23	0.23	0.23	0.29	0.27	0.22	0.25	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Boron, Dissolved	mg/l	5	--	--	0.2	0.22	0.26	0.21	0.11	0.2	0.31	0.37	0.5	0.27
Cadmium, Dissolved	mg/l	0.005	--	--	0.0007	<0.005	0.00043	0.0002	0.0004	<0.005	<0.005	<0.00008	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	170	160	200	133	137	190	150	148	130	140
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.09	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	2.2	2	2.9	2	2.1	2.5	2.2	3.1	1.8	1.6
Lead, Dissolved	mg/l	0.01	--	--	**0.018**	<0.01	0.002	0.004	**0.017**	**0.016**	**0.02**	<0.0006	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	62	57	64	55	53	67	61	61	50	46
Manganese, Dissolved	mg/l	--	0.05	--	0.58	0.56	0.68	0.58	0.62	0.7	0.68	0.62	0.63	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.03	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	4.9	2.5	3.3	4.1	4.5	3.9	5	6.1	5.4	4.4
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	10	9.2	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.02	--
Sodium, Dissolved	mg/l	--	200 [10]	--	63	49	52	60	71	98	68	85	72	62
Strontium, Dissolved	mg/l	--	--	--	7.9	5.9	6.6	6.54	6.9	8.9	8	7.7	6.8	6.5
Thallium, Dissolved	mg/l	--	--	--	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	<1	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-1S 30-Sep-1997	B-1S 11-May-1998	B-1S 21-Sep-1998	B-1S 29-Apr-1999	B-1S 22-Sep-1999
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	480	480	490	510	490
Ammonia Nitrogen	mg/l	--	--	--	1.1	2.2	1.3	2	1.51
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	18	13	38	<5	30
Chloride	mg/l	--	250	--	96	84	92	120	107
Conductivity	uS/cm	--	--	--	930	1000	960	920	840
Cyanide	mg/l	0.2	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*470*	*480*	*490*	*550*	*502.62*
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.8*	*1.2*	*0.4*	*0.3*	*0.39*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.9	3.4	1.7	2.3	1.9
pH	-	--	--	8.5	6	7.4	7.3	7.29	7
Phosphate	mg/l	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--
Temperature	deg c	--	15	--	10	10.5	5	5	6
Total Dissolved Solids	mg/l	--	500	--	690	660	650	800	828
Total Organic Carbon	mg/l	--	--	--	<0.5	8.6	7.7	--	6.8
Metals									
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.22	0.23	0.23	0.26	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	120	120	120	130	122
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	1.2	0.24	1.1	1.8	1.19
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	42	44	45	55	48.2
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	4.5	5.7	4.8	6	4
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	60	70	65	78	72.5
Strontium, Dissolved	mg/l	--	--	--	5.7	5.8	6.3	7.2	6.38
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-2D 18-May-1993	B-2D 31-Aug-1993	B-2D 24-Nov-1993	B-2D 11-May-1994	B-2D 16-Sep-1994	B-2D 20-Apr-1995	B-2D 13-Sep-1995	B-2D 07-May-1996	B-2D 25-Sep-1996	B-2D 28-Nov-1996
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	880	1100	1000	850	1500	950	780	800	870	--
Ammonia Nitrogen	mg/l	--	--	--	19	20	21	22	5.8	20	17	17	21	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	4	<3	<3	<3	<3	<3	<6	4.3	--
Bromide	mg/l	--	--	--	0.27	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.3	--
Chemical Oxygen Demand	mg/l	--	--	--	150	130	110	110	97	110	100	63	68	--
Chloride	mg/l	--	250	--	400	350	430	280	380	390	220	18	260	--
Conductivity	uS/cm	--	--	--	2600	2500	3100	2400	2500	3125	2450	2050	750	--
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.011	<0.005	--
Fluoride	mg/l	1.5	--	--	0.31	<10	<0.1	0.34	<0.1	<0.1	0.28	1.2	0.39	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*940*	*1200*	*1200*	*840*	*990*	*980*	*770*	*770*	*580*	--
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	0.36	<0.1	<0.1	<0.1	0.42	<0.05	<0.05	--
Nitrite	mg/l	-- [8]	--	--	<0.05	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.2	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.1	<0.2	<0.46	<1.1	<1.1	<0.2	<1.42	<0.15	<0.25	--
Nitrogen, Organic	mg/l	--	--	0.15	*7*	*10*	*1*	*3*	*5.2*	*3*	*6*	*3*	*7*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	26	30	22	25	11	23	23	20	28	--
pH	-	--	--	8.5	6.8	6.8	7	6.9	6.8	7	7	6.6	6.1	--
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	<1	<0.2	--
Sulfate	mg/l	--	500 [9]	--	18	11	16	18	10	10	15	30	22	--
Temperature	deg c	--	15	--	10.5	11.5	9.5	10	11.5	10	11	6.5	6	--
Total Dissolved Solids	mg/l	--	500	--	1400	1600	1600	1400	1500	1400	1300	1170	1200	--
Total Organic Carbon	mg/l	--	--	--	38	38	37	33	30	31	25	50	42	--
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	<0.05	<0.05	<0.05	*0.3*	0.07	<0.1	*0.17*	--
Arsenic, Dissolved	mg/l	0.025	--	--	0.012	0.016	0.013	0.012	0.011	0.009	0.013	0.011	0.007	--
Barium, Dissolved	mg/l	1	--	--	0.71	0.76	0.8	0.7	0.82	0.74	0.63	0.4	0.6	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Boron, Dissolved	mg/l	5	--	--	0.62	0.82	0.84	0.62	0.74	1.1	0.72	0.4	0.97	--
Cadmium, Dissolved	mg/l	0.005	--	--	0.0011	<0.005	0.00023	0.0002	0.0004	<0.005	<0.005	<0.00008	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	230	300	320	193	234	230	180	175	170	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	0.01	0.02	0.01	0.02	0.01	0.01	<0.09	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	21	26	27	19	20	18	15	<0.05	16	--
Lead, Dissolved	mg/l	0.01	--	--	**0.025**	**0.028**	**0.016**	0.009	**0.045**	**0.035**	**0.041**	<0.0006	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	88	110	110	87	99	86	78	74	70	--
Manganese, Dissolved	mg/l	--	0.05	--	0.84	0.99	0.99	0.74	0.77	0.74	0.66	0.73	0.67	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	0.03	0.04	0.03	0.03	0.03	0.03	0.02	<0.03	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	19	18	21	21	21	29	20	24	21	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	12	14	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	0.094	<0.005	<0.02	<0.02	--
Sodium, Dissolved	mg/l	--	200 [10]	--	160	170	170	168	228	260	170	195	190	--
Strontium, Dissolved	mg/l	--	--	--	12	13	13	11	14	12	11	9.4	9.7	--
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	<1	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-2D 07-May-1997	B-2D 30-Sep-1997	B-2D 11-May-1998	B-2D 21-Sep-1998	B-2D 30-Apr-1999	B-2D 27-Sep-1999
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	640	790	670	750	180	766
Ammonia Nitrogen	mg/l	--	--	--	7.6	10	13	11	25	16.7
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	61	78	57	56	21	71
Chloride	mg/l	--	250	--	150	260	180	230	200	296
Conductivity	uS/cm	--	--	--	1300	1800	1550	1700	1400	1600
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*520*	*660*	*550*	*580*	*580*	*612.4*
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*10.4*	*12*	*7*	*4*	*1*	*1.7*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	18	22	20	15	26	18.4
pH	-	--	--	8.5	6.8	6.5	7.32	7.3	7.07	7.1
Phosphate	mg/l	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--
Temperature	deg c	--	15	--	8	10	10	6	6	6.5
Total Dissolved Solids	mg/l	--	500	--	920	1200	960	1100	950	1120
Total Organic Carbon	mg/l	--	--	--	24	33	25.7	31	22.7	19.1
Metals										
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	0.46	0.58	0.49	0.58	0.54	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	130	160	130	140	130	140
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	12	13	12	11	11	12
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	47	63	54	57	61	64
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	15	20	18	19	23	18
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	120	170	150	160	180	160
Strontium, Dissolved	mg/l	--	--	--	6.4	8.6	7.2	8.2	7.9	8.2
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-2M 18-May-1993	B-2M 30-Aug-1993	B-2M 24-Nov-1993	B-2M 11-May-1994	B-2M 16-Sep-1994	B-2M 20-Apr-1995	B-2M 13-Sep-1995	B-2M 07-May-1996	B-2M 25-Sep-1996	B-2M 28-Nov-1996
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	1100	1800	1200	1100	1400	1000	1100	1000	1100	--
Ammonia Nitrogen	mg/l	--	--	--	0.2	30	27	28	11	25	29	26	31	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	3	<2	4.5	--
Bromide	mg/l	--	--	--	0.31	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.2	--
Chemical Oxygen Demand	mg/l	--	--	--	190	200	160	150	140	120	180	103	67	--
Chloride	mg/l	--	250	--	370	540	810	340	540	630	450	400	450	--
Conductivity	uS/cm	--	--	--	3450	3500	3800	3000	3200	4000	4000	2225	2100	--
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--
Fluoride	mg/l	1.5	--	--	0.18	<0.1	<0.1	0.59	<0.1	<0.1	0.98	1	<0.07	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*1300*	*1600*	*1600*	*1100*	*1200*	*1200*	*1200*	*960*	*910*	--
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	0.45	<0.1	<0.1	<0.1	0.1	<0.05	<0.05	--
Nitrite	mg/l	-- [8]	--	--	<0.05	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.1	<0.2	<0.55	<1.1	<1.1	<0.2	<1.1	<0.15	<0.55	--
Nitrogen, Organic	mg/l	--	--	0.15	*24.8*	*18*	<0.1	*3*	*5*	*8*	*9*	*4*	*9*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	25	48	26	31	16	33	38	30	40	--
pH	-	--	--	8.5	7	6.7	7	6.9	6.8	6.9	6.9	6.6	6.4	--
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	<1	<0.2	--
Sulfate	mg/l	--	500 [9]	--	6.7	<10	5.9	18	6.2	6.2	12	12	13	--
Temperature	deg c	--	15	--	10.5	12	10	10.5	12	11	11	7.5	6	--
Total Dissolved Solids	mg/l	--	500	--	2000	2200	2100	1900	2000	1900	2100	880	1700	--
Total Organic Carbon	mg/l	--	--	--	50	63	47	47	39	40	45	44	62	--
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	*0.37*	0.06	<0.1	*0.12*	--
Arsenic, Dissolved	mg/l	0.025	--	--	0.01	0.011	0.009	0.012	0.013	0.006	0.007	<0.005	0.007	--
Barium, Dissolved	mg/l	1	--	--	0.94	**1.3**	**1.1**	0.1	**1.1**	**1.1**	**1.3**	0.71	0.86	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Boron, Dissolved	mg/l	5	--	--	0.81	1.3	1.1	0.8	1.05	2.1	1.3	0.8	1.2	--
Cadmium, Dissolved	mg/l	0.005	--	--	0.0019	<0.005	0.00028	0.0003	0.0004	<0.005	<0.005	<0.00008	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	310	370	400	252	278	320	280	216	210	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	0.01	0.02	0.01	0.02	<0.01	0.01	<0.09	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	33	29	42	32	31	33	28	24	22	--
Lead, Dissolved	mg/l	0.01	--	--	**0.03**	**0.068**	0.009	**0.012**	**0.05**	**0.043**	**0.078**	<0.0006	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	120	170	140	112	123	130	130	91	95	--
Manganese, Dissolved	mg/l	--	0.05	--	0.8	0.34	0.65	0.7	0.5	0.66	0.4	0.61	0.45	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	0.04	0.05	0.06	0.04	0.04	<0.01	0.04	<0.03	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	21	27	25	28	26	42	30	29	28	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	15	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	0.032	<0.005	<0.02	<0.02	--
Sodium, Dissolved	mg/l	--	200 [10]	--	200	260	220	227	278	370	270	250	260	--
Strontium, Dissolved	mg/l	--	--	--	18	17	18	15	18	17	18	14	13	--
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	0.05	0.05	<0.05	<0.002	<1	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-2M 07-May-1997	B-2M 30-Sep-1997	B-2M 12-May-1998	B-2M 21-Sep-1998	B-2M 03-May-1999	B-2M 27-Sep-1999	B-2M 27-Sep-1999 B-2M-FD (Field Duplicate)
General Chemistry											
Alkalinity as CaCO3	mg/l	--	--	--	840	1100	850	860	870	1140	--
Ammonia Nitrogen	mg/l	--	--	--	18	24	22	21	33	32.3	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	4.7	2	<2	5	<2	12	--
Bromide	mg/l	--	--	--	1.3	1.4	1.5	1.6	1.6	2.97	--
Chemical Oxygen Demand	mg/l	--	--	--	74	84	80	61	8	33	--
Chloride	mg/l	--	250	--	300	470	280	300	320	555	--
Conductivity	uS/cm	--	--	--	1900	2500	2100	1975	1750	2700	--
Cyanide	mg/l	0.2	--	--	<0.005	0.005	<0.005	0.005	<0.005	<0.02	--
Fluoride	mg/l	1.5	--	--	0.25	0.62	0.44	0.56	0.42	1.5	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*720*	*900*	*710*	*630*	*630*	*1109.2*	--
Nitrate	mg/l	-- [7]	--	--	0.23	0.34	<0.1	<0.1	<0.1	0.2	--
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.33	<0.44	<0.2	<0.2	<0.2	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*9*	*7*	*11*	--	*7*	*1.7*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	27	31	31	21	40	34	--
pH	-	--	--	8.5	6.9	6.8	7.38	7.3	6.88	6.7	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	0.07	0.07
Sulfate	mg/l	--	500 [9]	--	16	19	17	17	14	10.1	--
Temperature	deg c	--	15	--	9.5	10	10	6	6	5	--
Total Dissolved Solids	mg/l	--	500	--	1300	1800	1200	1300	1400	1910	--
Total Organic Carbon	mg/l	--	--	--	37	48	38	36	32.6	33.6	--
Metals											
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.025	--
Arsenic, Dissolved	mg/l	0.025	--	--	0.008	0.007	<0.005	<0.005	<0.005	0.009	--
Barium, Dissolved	mg/l	1	--	--	0.56	0.84	0.65	0.63	0.63	--	--
Beryllium, Dissolved	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Boron, Dissolved	mg/l	5	--	--	0.72	0.89	0.73	0.71	0.72	--	--
Cadmium, Dissolved	mg/l	0.005	--	--	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	--
Calcium, Dissolved	mg/l	--	--	--	180	220	170	150	140	260	--
Chromium, Dissolved	mg/l	0.05	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.005	--
Cobalt, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	0.016	--
Copper, Dissolved	mg/l	--	1	--	<0.02	<0.02	<0.02	<0.02	0.03	<0.003	--
Iron, Dissolved	mg/l	--	0.3	--	20	24	20	18	17	31.6	--
Lead, Dissolved	mg/l	0.01	--	--	<0.0006	<0.006	<0.0006	<0.0006	0.002	<0.002	--
Magnesium, Dissolved	mg/l	--	--	--	65	86	69	62	69	112	--
Manganese, Dissolved	mg/l	--	0.05	--	0.58	0.52	0.59	0.48	0.52	0.571	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	0.01	--
Nickel, Dissolved	mg/l	--	--	--	0.03	0.03	0.03	<0.01	0.02	0.05	--
Potassium, Dissolved	mg/l	--	--	--	21	26	26	24	30	31.6	--
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007	--
Sodium, Dissolved	mg/l	--	200 [10]	--	180	220	200	200	230	292	--
Strontium, Dissolved	mg/l	--	--	--	9.1	13	9.5	9.2	9.3	16.9	--
Thallium, Dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	--
Titanium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.003	--
Vanadium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.009	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	0.01	0.286	--
Zirconium, Dissolved	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.003	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-3D 18-May-1993	B-3D 30-Aug-1993	B-3D 24-Nov-1993	B-3D 11-May-1994	B-3D 16-Sep-1994	B-3D 20-Apr-1995	B-3D 13-Sep-1995	B-3D 07-May-1996	B-3D 24-Sep-1996	B-3D 06-May-1997
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	290	300	280	260	240	280	230	280	290	289
Ammonia Nitrogen	mg/l	--	--	--	0.2	1	1.2	0.1	0.27	0.23	1.3	0.47	0.98	0.22
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	5	<3	<3	<3	3	<2	<2	--
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	0.12	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	26	5	17	<5	18	25	<10	<5	<5
Chloride	mg/l	--	250	--	23	8.2	21	27	7.4	18	12	220	7.6	20
Conductivity	uS/cm	--	--	--	600	460	750	600	440	775	625	650	500	550
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--
Fluoride	mg/l	1.5	--	--	0.16	0.27	0.32	0.44	0.27	0.18	0.24	0.77	0.34	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*390*	*330*	*380*	*360*	*260*	*390*	*290*	*365*	*300*	*340*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.18	<0.1	<0.05	<0.05	--
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.1	<0.2	<0.2	<0.2	<0.2	<0.28	<0.2	<0.15	<0.15	--
Nitrogen, Organic	mg/l	--	--	0.15	0.06	*0.4*	<0.1	0.01	*0.39*	--	*0.6*	0.06	*0.32*	*0.49*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.26	1.4	0.93	0.11	0.66	0.19	1.9	0.53	1.3	0.71
pH	-	--	--	8.5	6.8	7	7.3	7.3	7.1	7.2	7.2	7.2	--	7.5
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	0.14	<0.1	0.1	<0.1	--	--	<1	<0.2	--
Sulfate	mg/l	--	500 [9]	--	41	0.65	18	37	14	18	<0.1	150	2.7	--
Temperature	deg c	--	15	--	9	10	8	11	11.5	10	11	8.5	6	7
Total Dissolved Solids	mg/l	--	500	--	370	270	320	400	270	330	260	330	320	390
Total Organic Carbon	mg/l	--	--	--	2.5	4.6	7.9	4.7	4.3	2.4	4.1	8.8	8	7.6
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	--
Arsenic, Dissolved	mg/l	0.025	--	--	0.0015	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--
Barium, Dissolved	mg/l	1	--	--	0.14	0.14	0.16	0.14	0.14	0.17	0.17	0.1	0.15	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.11	0.1	<0.05	<0.05	<0.05	0.08	<0.05	0.13	<0.05
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.005	0.00027	0.0002	0.0003	<0.005	<0.005	<0.00008	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	100	87	100	90	67	100	74	92	73	93
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	3	14	13	2.5	12	5.7	16	4.5	11	3.1
Lead, Dissolved	mg/l	0.01	--	--	<0.01	<0.01	0.002	0.002	0.002	0.005	<0.001	<0.0006	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	33	27	30	32	22	31	25	31	23	27
Manganese, Dissolved	mg/l	--	0.05	--	0.58	1.4	1.4	0.5	1.08	0.7	1.3	0.55	1	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	2.1	<2	<2	<2	<2	<2	2.5	1.7	1.7	2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	6.4	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.02	--
Sodium, Dissolved	mg/l	--	200 [10]	--	11	6.3	8.8	11	6.5	14	5.9	13	5.3	11
Strontium, Dissolved	mg/l	--	--	--	2.6	1	1.3	2.44	1.09	2.2	1	2.5	1.3	2.5
Thallium, Dissolved	mg/l	--	--	--	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	<1	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-3D 02-Oct-1997	B-3D 12-May-1998	B-3D 22-Sep-1998	B-3D 03-May-1999	B-3D 28-Sep-1999
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	290	280	260	260	268
Ammonia Nitrogen	mg/l	--	--	--	0.82	0.48	0.94	1	1.13
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	11	<5	13	14
Chloride	mg/l	--	250	--	6.3	16	7.4	19	6.32
Conductivity	uS/cm	--	--	--	540	590	480	400	420
Cyanide	mg/l	0.2	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*280*	*310*	*270*	*320*	*297.01*
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.38*	*0.62*	*0.46*	*0.2*	0.07
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.2	1.1	1.4	1.2	1.2
pH	-	--	--	8.5	7.1	2.98	7.2	7.45	6.94
Phosphate	mg/l	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--
Temperature	deg c	--	15	--	11	10	6	5	13
Total Dissolved Solids	mg/l	--	500	--	310	360	300	380	359
Total Organic Carbon	mg/l	--	--	--	4.8	<0.5	2.3	1.7	2.8
Metals									
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	<0.05	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	72	80	70	79	76
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	14	3.8	11	4.5	12
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	24	27	24	29	26.1
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	2	2.1	2.6	2.1	2
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	5	9.5	5.3	12	13.3
Strontium, Dissolved	mg/l	--	--	--	1.3	2.5	1.6	2.4	1.37
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-3M 18-May-1993	B-3M 30-Aug-1993	B-3M 24-Nov-1993	B-3M 11-May-1994	B-3M 20-Sep-1994	B-3M 20-Apr-1995	B-3M 13-Sep-1995	B-3M 07-May-1996	B-3M 24-Sep-1996	B-3M 06-May-1997
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	250	280	280	270	280	250	270	280	300	280
Ammonia Nitrogen	mg/l	--	--	--	0.25	0.52	0.52	<0.1	0.3	<0.1	0.68	0.25	0.61	0.17
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	3	<6	4.1	--
Bromide	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	0.13	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	52	<5	15	22	11	<5	<10	9	9
Chloride	mg/l	--	250	--	23	11	28	30	6.1	22	7	24	9.4	23
Conductivity	uS/cm	--	--	--	600	500	750	650	430	775	600	650	500	520
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	--	<0.005	<0.005	--
Fluoride	mg/l	1.5	--	--	0.22	0.33	0.46	0.43	0.24	0.25	0.28	0.82	0.41	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*390*	*370*	*420*	*360*	*280*	*400*	*310*	*370*	*310*	*350*
Nitrate	mg/l	-- [7]	--	--	0.14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	0.21	--
Nitrite	mg/l	-- [8]	--	--	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.14	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.15	<0.31	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.01	*0.3*	<0.1	<0.23	0.03	<0.1	*0.62*	0.04	*0.34*	*0.38*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.23	0.82	0.46	0.23	0.33	<0.1	1.3	0.29	0.95	0.55
pH	-	--	--	8.5	7	7.1	7.4	7.3	7.4	7.1	7.2	7.2	8.2	7.5
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	4	<0.1	0.14	0.11	--	--	<1	<0.2	--
Sulfate	mg/l	--	500 [9]	--	42	9.4	42	37	1.4	25	<0.1	66	5.9	--
Temperature	deg c	--	15	--	10	10	9	10.5	11.5	9.5	11	8	6	8
Total Dissolved Solids	mg/l	--	500	--	390	300	370	400	370	350	270	326	320	410
Total Organic Carbon	mg/l	--	--	--	2.4	3.3	2.4	--	2.9	1.7	4	9.4	8	7.6
Metals														
Aluminum, Dissolved	mg/l	--	--	0.1	<0.05	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	--
Arsenic, Dissolved	mg/l	0.025	--	--	0.0016	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	--
Barium, Dissolved	mg/l	1	--	--	0.16	0.14	0.14	0.15	0.13	0.15	0.15	0.1	0.14	--
Beryllium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Boron, Dissolved	mg/l	5	--	--	<0.05	0.1	0.1	0.1	<0.05	<0.05	0.07	<0.05	0.15	0.05
Cadmium, Dissolved	mg/l	0.005	--	--	<0.0002	<0.005	0.00028	<0.0002	0.0003	<0.005	<0.005	<0.00008	<0.00008	--
Calcium, Dissolved	mg/l	--	--	--	100	98	110	91	71	110	79	94	79	94
Chromium, Dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Cobalt, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	<0.09	--
Copper, Dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	--
Iron, Dissolved	mg/l	--	0.3	--	4.6	6.8	7.2	3.7	5.7	4.7	9.5	4.1	5.6	4.3
Lead, Dissolved	mg/l	0.01	--	--	<0.01	<0.01	<0.001	0.002	0.004	0.005	0.0055	<0.0006	<0.0006	--
Magnesium, Dissolved	mg/l	--	--	--	34	30	33	32	24	33	27	31	25	28
Manganese, Dissolved	mg/l	--	0.05	--	0.64	0.94	0.9	0.54	0.78	0.58	1.1	0.51	0.7	--
Molybdenum, Dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04	--
Nickel, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	--
Potassium, Dissolved	mg/l	--	--	--	<2	<2	<2	2	2.2	<2	2.3	1.9	1.6	1.8
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--	7	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.01	--
Sodium, Dissolved	mg/l	--	200 [10]	--	12	8.1	9	12	7.18	14	6.3	14	6.4	11
Strontium, Dissolved	mg/l	--	--	--	2.5	1.7	1.9	2.4	1.8	2.5	1.8	2.5	2	2.4
Thallium, Dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	<1	--
Titanium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.01	<0.01	--
Vanadium, Dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	--
Zinc, Dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	--
Zirconium, Dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	B-3M 02-Oct-1997	B-3M 12-May-1998	B-3M 22-Sep-1998	B-3M 03-May-1999	B-3M 28-Sep-1999
General Chemistry									
Alkalinity as CaCO3	mg/l	--	--	--	350	280	290	230	305
Ammonia Nitrogen	mg/l	--	--	--	0.49	0.48	0.61	0.77	0.05
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	<5	<4
Chloride	mg/l	--	250	--	6.4	20	8.9	21	8.79
Conductivity	uS/cm	--	--	--	570	580	495	540	410
Cyanide	mg/l	0.2	--	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*290*	*310*	*290*	*320*	*305.2*
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.38*	*0.3*	*0.49*	0.09	*0.75*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.87	0.78	1.1	0.86	0.8
pH	-	--	--	8.5	7.1	7.48	7.5	7.4	6.74
Phosphate	mg/l	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--
Temperature	deg c	--	15	--	10	11	6	5	13
Total Dissolved Solids	mg/l	--	500	--	330	350	290	380	353
Total Organic Carbon	mg/l	--	--	--	4	<0.5	2.9	1.7	2.8
Metals									
Aluminum, Dissolved	mg/l	--	--	0.1	--	--	--	--	--
Arsenic, Dissolved	mg/l	0.025	--	--	--	--	--	--	--
Barium, Dissolved	mg/l	1	--	--	--	--	--	--	--
Beryllium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Boron, Dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	0.06	--
Cadmium, Dissolved	mg/l	0.005	--	--	--	--	--	--	--
Calcium, Dissolved	mg/l	--	--	--	76	81	74	80	77.8
Chromium, Dissolved	mg/l	0.05	--	--	--	--	--	--	--
Cobalt, Dissolved	mg/l	--	--	--	--	--	--	--	--
Copper, Dissolved	mg/l	--	1	--	--	--	--	--	--
Iron, Dissolved	mg/l	--	0.3	--	6.6	4.6	5	5.9	6.24
Lead, Dissolved	mg/l	0.01	--	--	--	--	--	--	--
Magnesium, Dissolved	mg/l	--	--	--	25	27	26	29	27
Manganese, Dissolved	mg/l	--	0.05	--	--	--	--	--	--
Molybdenum, Dissolved	mg/l	--	--	--	--	--	--	--	--
Nickel, Dissolved	mg/l	--	--	--	--	--	--	--	--
Potassium, Dissolved	mg/l	--	--	--	2.1	2.1	2.9	2.1	3
Silicon, Dissolved	mg/l	--	--	--	--	--	--	--	--
Silver, Dissolved	mg/l	--	--	--	--	--	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	5.6	11	6.5	13	12.9
Strontium, Dissolved	mg/l	--	--	--	2.1	2.4	2.3	2.2	2.05
Thallium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Titanium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Vanadium, Dissolved	mg/l	--	--	--	--	--	--	--	--
Zinc, Dissolved	mg/l	--	5	--	--	--	--	--	--
Zirconium, Dissolved	mg/l	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	LEACHATE 09-Dec-1993	LEACHATE 06-Sep-1994	LEACHATE 29-Jun-1995	LEACHATE 10-Apr-1996	LEACHATE 15-May-1996	LEACHATE 25-Sep-1996	LEACHATE 26-Sep-1996	LEACHATE 03-Oct-1996	LEACHATE 08-May-1997	LEACHATE 22-Sep-1997
General Chemistry														
Alkalinity as CaCO3	mg/l	--	--	--	--	--	--	--	--	--	750	--	390	720
Ammonia Nitrogen	mg/l	--	--	--	--	--	--	--	--	--	30	--	5.6	14
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	5	3	5	4	--	--	5	2	10	4
Bromide	mg/l	--	--	--	--	--	--	--	--	--	0.68	--	1.1	0.21
Chemical Oxygen Demand	mg/l	--	--	--	--	--	--	--	--	--	49	--	36	64
Chloride	mg/l	--	250	--	--	--	--	--	--	--	145	--	28	150
Conductivity	uS/cm	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--	<0.005	--	<0.005	0.006
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	0.23	--	0.13	0.16
Hardness, Calcium Carbonate	mg/l	--	--	100	*422*	*396*	*545*	*409*	--	--	*500*	*554*	*350*	*560*
Nitrate	mg/l	-- [7]	--	--	--	--	--	--	--	--	0.4	--	0.22	0.28
Nitrite	mg/l	-- [8]	--	--	--	--	--	--	--	--	<0.2	--	<0.1	<1
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	--	--	--	--	--	36	--	7.3	35
pH	-	--	--	8.5	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--	<0.2	--	<0.2	<0.2
Sulfate	mg/l	--	500 [9]	--	--	--	--	--	--	--	30	--	10	66
Temperature	deg c	--	15	--	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	mg/l	--	500	--	--	--	--	--	--	--	900	--	450	930
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--	26	--	15	5.2
Metals														
Aluminum	mg/l	--	--	0.1	<0.005	<0.01	<0.73	<0.01	--	--	*0.11*	0.01	<0.05	<0.05
Arsenic	mg/l	0.025	--	--	--	--	--	--	--	--	<0.005	--	<0.005	<0.005
Barium	mg/l	1	--	--	0.2	0.01	--	--	--	--	0.19	--	0.12	0.34
Beryllium	mg/l	--	--	--	--	--	--	--	--	--	<0.01	--	<0.001	<0.001
Boron	mg/l	5	--	--	--	--	--	--	--	--	0.75	--	0.16	0.58
Cadmium	mg/l	0.005	--	--	<0.0005	<0.005	<0.01	<0.001	--	--	<0.00008	<0.0001	<0.00008	<0.00008
Calcium	mg/l	--	--	--	167.5	130.5	127	102	--	--	140	140	94	140
Chromium	mg/l	0.05	--	--	<0.009	<0.009	<0.01	<0.01	--	--	<0.02	<0.01	<0.02	<0.02
Cobalt	mg/l	--	--	--	0.014	0.01	<0.01	<0.01	--	--	<0.09	0.0161	<0.05	<0.05
Copper	mg/l	--	1	--	0.019	0.01	<0.01	<0.05	--	--	<0.02	0.0015	<0.02	<0.02
Iron	mg/l	--	0.3	--	0.49	0.46	0.473	1.68	--	--	1.7	14.2	7.7	20
Lead	mg/l	0.01	--	--	<0.015	<0.005	<0.05	<0.005	--	--	<0.0006	0.0004	<0.0006	<0.006
Magnesium	mg/l	--	--	--	46.4	47.6	55.3	37.7	--	--	50	48.8	28	48
Manganese	mg/l	--	0.05	--	0.93	0.98	1.17	0.075	--	--	0.87	0.99	0.78	0.8
Molybdenum	mg/l	--	--	--	0.011	<0.01	<0.01	<0.01	--	--	<0.04	<0.002	<0.02	<0.02
Nickel	mg/l	--	--	--	<0.001	<0.001	<0.02	<0.01	--	--	<0.03	<0.02	<0.01	<0.01
Potassium	mg/l	--	--	--	26.2	18.2	36.5	16.3	--	--	24	19.2	6.5	26
Silver	mg/l	--	--	--	--	--	--	--	--	--	<0.02	--	<0.01	<0.01
Sodium	mg/l	--	200 [10]	--	101.2	109.4	146	86.6	--	--	110	89.8	28	120
Strontium	mg/l	--	--	--	--	--	--	--	--	--	1.1	--	0.24	1.2
Thallium	mg/l	--	--	--	--	--	--	--	--	--	<1	--	<0.1	<0.1
Titanium	mg/l	--	--	--	<0.0005	--	--	--	--	--	<0.01	--	<0.01	<0.01
Vanadium	mg/l	--	--	--	0.0091	--	--	--	--	--	<0.01	--	<0.01	<0.01
Zinc	mg/l	--	5	--	0.01	0.02	0.01	0.05	--	--	<0.01	<0.01	<0.01	<0.01
Zirconium	mg/l	--	--	--	--	--	--	--	--	--	<0.01	--	<0.02	<0.02

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	LEACHATE 13-May-1998	LEACHATE 21-Sep-1998	LEACHATE 04-May-1999	LEACHATE 29-Sep-1999	LEACHATE 29-Sep-1999 LEACHATE-FD (Field Duplicate)	LEACHATE 31-May-2000	LEACHATE 29-Sep-2000	LEACHATE 22-May-2001
General Chemistry												
Alkalinity as CaCO3	mg/l	--	--	--	520	830	560	897	--	589	716	586
Ammonia Nitrogen	mg/l	--	--	--	21	32	26	50.7	--	53.6	37.1	29.8
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	5	7	<2	5	--	11	6	6
Bromide	mg/l	--	--	--	0.41	0.97	<0.1	2.9	--	<0.05	0.22	0.29
Chemical Oxygen Demand	mg/l	--	--	--	15	43	11	110	--	37	76	59
Chloride	mg/l	--	250	--	77	200	85	193	--	77	116	83
Conductivity	uS/cm	--	--	--	--	--	1100	1700	--	--	1730	1210
Cyanide	mg/l	0.2	--	--	<0.005	0.007	<0.005	<0.02	--	**0.69**	<0.02	0.007
Fluoride	mg/l	1.5	--	--	0.3	0.28	0.14	0.2	--	0.21	0.34	0.18
Hardness, Calcium Carbonate	mg/l	--	--	100	*390*	*550*	*440*	*586.98*	--	<1	*541*	*440*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1	<0.1	0.2	--	<0.1	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	*0.2*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	23	48	310	45	--	53.6	37.4	34
pH	-	--	--	8.5	--	--	6.69	6.28	--	--	6.3	6.8
Phosphorus	mg/l	--	--	--	<0.2	<0.2	<0.2	<0.06	<0.06	--	0.07	0.13
Sulfate	mg/l	--	500 [9]	--	11	14	11	94.1	--	12	29	12
Temperature	deg c	--	15	--	--	--	4.5	10	--	--	9.1	6
Total Dissolved Solids	mg/l	--	500	--	620	1000	620	1260	--	736	912	720
Total Organic Carbon	mg/l	--	--	--	21	39	14.7	27.6	--	27.9	25.3	18.6
Metals												
Aluminum	mg/l	--	--	0.1	<0.05	<0.05	<0.05	<0.025	--	<0.05	<0.05	<0.05
Arsenic	mg/l	0.025	--	--	<0.005	<0.005	<0.005	<0.002	--	0.002	0.002	<0.001
Barium	mg/l	1	--	--	0.18	0.35	0.12	--	--	0.14	0.24	0.15
Beryllium	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.002	<0.002	<0.002
Boron	mg/l	5	--	--	0.3	0.64	0.35	--	--	0.46	0.6	0.35
Cadmium	mg/l	0.005	--	--	<0.00008	<0.00008	<0.00008	<0.0002	--	<0.005	<0.0001	<0.0001
Calcium	mg/l	--	--	--	100	140	110	140	--	120	139	107
Chromium	mg/l	0.05	--	--	<0.02	<0.02	<0.02	0.008	--	<0.01	<0.01	0.006
Cobalt	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.005	--	<0.01	0.0014	0.0012
Copper	mg/l	--	1	--	<0.02	<0.02	<0.02	<0.003	--	<0.01	<0.001	<0.001
Iron	mg/l	--	0.3	--	10	23	5.1	0.656	--	6.57	11.2	7.94
Lead	mg/l	0.01	--	--	<0.0006	<0.0006	<0.0006	<0.002	--	<0.001	<0.001	<0.001
Magnesium	mg/l	--	--	--	34	49	40	57.8	--	40	47	42
Manganese	mg/l	--	0.05	--	0.78	0.85	0.76	0.672	--	--	0.84	0.52
Molybdenum	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.006	--	--	<0.01	<0.01
Nickel	mg/l	--	--	--	0.07	<0.01	<0.01	0.02	--	--	<0.01	<0.01
Potassium	mg/l	--	--	--	16	28	19	35.9	--	--	26	21
Silver	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.007	--	--	<0.0001	<0.0001
Sodium	mg/l	--	200 [10]	--	67	140	78	167	--	--	104	77
Strontium	mg/l	--	--	--	0.58	1.1	0.57	1.26	--	--	0.728	0.361
Thallium	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.05	--	<0.2	<0.001	<0.001
Titanium	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.003	--	<0.01	0.04	<0.01
Vanadium	mg/l	--	--	--	<0.01	<0.01	<0.01	0.007	--	<0.01	0.005	0.001
Zinc	mg/l	--	5	--	<0.01	<0.01	0.01	0.026	--	0.01	<0.01	0.01
Zirconium	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.003	--	<0.004	<0.01	0.19

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	LEACHATE 22-May-2001 LEACHATE-FD (Field Duplicate)	LEACHATE 11-Sep-2001
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	620	1100
Ammonia Nitrogen	mg/l	--	--	--	26.8	66.2
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	4	13
Bromide	mg/l	--	--	--	0.33	1.77
Chemical Oxygen Demand	mg/l	--	--	--	64	140
Chloride	mg/l	--	250	--	94	316
Conductivity	uS/cm	--	--	--	1090	2900
Cyanide	mg/l	0.2	--	--	<0.005	<0.005
Fluoride	mg/l	1.5	--	--	0.19	0.48
Hardness, Calcium Carbonate	mg/l	--	--	100	*438*	*638*
Nitrate	mg/l	-- [7]	--	--	<0.1	<0.1
Nitrite	mg/l	-- [8]	--	--	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	0.15	*0.6*	*28.1*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	29.4	94.3
pH	-	--	--	8.5	7.2	7.4
Phosphorus	mg/l	--	--	--	0.06	0.08
Sulfate	mg/l	--	500 [9]	--	11	6
Temperature	deg c	--	15	--	6	11
Total Dissolved Solids	mg/l	--	500	--	712	1500
Total Organic Carbon	mg/l	--	--	--	20.5	41.1
Metals						
Aluminum	mg/l	--	--	0.1	<0.05	<0.05
Arsenic	mg/l	0.025	--	--	<0.001	<0.001
Barium	mg/l	1	--	--	0.11	0.26
Beryllium	mg/l	--	--	--	<0.002	<0.002
Boron	mg/l	5	--	--	0.39	1.08
Cadmium	mg/l	0.005	--	--	<0.0001	<0.0001
Calcium	mg/l	--	--	--	106	145
Chromium	mg/l	0.05	--	--	0.004	0.02
Cobalt	mg/l	--	--	--	0.0013	0.004
Copper	mg/l	--	1	--	<0.001	<0.001
Iron	mg/l	--	0.3	--	1.93	1.39
Lead	mg/l	0.01	--	--	<0.001	<0.001
Magnesium	mg/l	--	--	--	42	67
Manganese	mg/l	--	0.05	--	0.51	0.47
Molybdenum	mg/l	--	--	--	<0.01	<0.01
Nickel	mg/l	--	--	--	<0.01	<0.01
Potassium	mg/l	--	--	--	23	54
Silver	mg/l	--	--	--	<0.0001	<0.0001
Sodium	mg/l	--	200 [10]	--	95	222
Strontium	mg/l	--	--	--	0.366	1.08
Thallium	mg/l	--	--	--	<0.001	<0.001
Titanium	mg/l	--	--	--	<0.01	<0.01
Vanadium	mg/l	--	--	--	0.001	0.004
Zinc	mg/l	--	5	--	0.02	0.01
Zirconium	mg/l	--	--	--	0.17	0.004

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-1D 16-Feb-1999	MW-1D 16-Feb-1999 MW-1D-FD (Field Duplicate)	MW-1D 11-May-1999	MW-1D 21-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	280	--	260	276
Ammonia Nitrogen	mg/l	--	--	--	0.31	--	<0.1	0.06
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	12	<4
Chloride	mg/l	--	250	--	44	--	14	7.4
Conductivity	uS/cm	--	--	--	920	--	520	550
Hardness, Calcium Carbonate	mg/l	--	--	100	*350*	--	*280*	*308.4*
Nitrogen, Organic	mg/l	--	--	0.15	0.02	--	<0.45	0.08
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.33	--	0.45	0.14
pH	-	--	--	8.5	--	--	7.53	7.43
Temperature	deg c	--	15	--	4	--	4	9
Total Dissolved Solids	mg/l	--	500	--	430	--	300	420
Total Organic Carbon	mg/l	--	--	--	<0.5	--	1.5	1.3
Metals								
Boron, Dissolved	mg/l	5	--	--	<0.05	--	<0.05	--
Calcium, Dissolved	mg/l	--	--	--	110	--	80	84
Iron, Dissolved	mg/l	--	0.3	--	1.3	--	<0.05	0.076
Magnesium, Dissolved	mg/l	--	--	--	19	--	20	24
Potassium, Dissolved	mg/l	--	--	--	2.1	--	1.5	<1
Sodium, Dissolved	mg/l	--	200 [10]	--	15	--	6.1	6.9
Strontium, Dissolved	mg/l	--	--	--	3.1	--	4	7.7

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-1M 16-Feb-1999	MW-1M 16-Feb-1999 MW-1M-FD (Field Duplicate)	MW-1M 11-May-1999	MW-1M 21-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	290	--	270	293
Ammonia Nitrogen	mg/l	--	--	--	0.28	--	<0.1	0.05
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	<4
Chloride	mg/l	--	250	--	3.1	--	2.3	3.3
Conductivity	uS/cm	--	--	--	820	--	510	560
Hardness, Calcium Carbonate	mg/l	--	--	100	*320*	--	*300*	*325.5*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	<0.19	0.13
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.26	--	0.19	0.18
pH	-	--	--	8.5	--	--	7.56	7.52
Temperature	deg c	--	15	--	4	--	5	7
Total Dissolved Solids	mg/l	--	500	--	350	--	300	383
Total Organic Carbon	mg/l	--	--	--	<0.5	--	1.2	1.4
Metals								
Boron, Dissolved	mg/l	5	--	--	<0.05	--	<0.05	--
Calcium, Dissolved	mg/l	--	--	--	80	--	75	81
Iron, Dissolved	mg/l	--	0.3	--	1.8	--	1.2	0.96
Magnesium, Dissolved	mg/l	--	--	--	29	--	28	30
Potassium, Dissolved	mg/l	--	--	--	2.1	--	1.7	<1
Sodium, Dissolved	mg/l	--	200 [10]	--	1.6	--	1.5	6.8
Strontium, Dissolved	mg/l	--	--	--	6.5	--	6	6.1

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-1S 16-Feb-1999	MW-1S 16-Feb-1999 MW-1S-FD (Field Duplicate)	MW-1S 11-May-1999	MW-1S 21-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	290	--	230	366
Ammonia Nitrogen	mg/l	--	--	--	0.16	--	<0.1	0.08
Chemical Oxygen Demand	mg/l	--	--	--	11	--	7	7
Chloride	mg/l	--	250	--	1.3	--	<1	1.3
Conductivity	uS/cm	--	--	--	890	--	360	610
Hardness, Calcium Carbonate	mg/l	--	--	100	*290*	--	*230*	*385.3*
Nitrogen, Organic	mg/l	--	--	0.15	0.01	--	<0.26	*0.29*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.17	--	0.26	0.37
pH	-	--	--	8.5	--	--	8	7.37
Temperature	deg c	--	15	--	2.5	--	3	10
Total Dissolved Solids	mg/l	--	500	--	320	--	200	437
Total Organic Carbon	mg/l	--	--	--	<0.5	--	1.4	1.7
Metals								
Boron, Dissolved	mg/l	5	--	--	<0.05	--	<0.05	--
Calcium, Dissolved	mg/l	--	--	--	77	--	62	100
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	<0.05	0.022
Magnesium, Dissolved	mg/l	--	--	--	23	--	19	33
Potassium, Dissolved	mg/l	--	--	--	<1	--	<1	<1
Sodium, Dissolved	mg/l	--	200 [10]	--	1.7	--	1.6	4.5
Strontium, Dissolved	mg/l	--	--	--	0.21	--	0.07	0.099

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-2D 16-Feb-1999	MW-2D 16-Feb-1999 MW-2D-FD (Field Duplicate)	MW-2D 11-May-1999	MW-2D 22-Sep-1999	MW-2D 30-May-2000	MW-2D 15-May-2001
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	340	--	320	332	--	--
Ammonia Nitrogen	mg/l	--	--	--	0.2	--	0.17	0.01	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	17	7	--	--
Chloride	mg/l	--	250	--	120	--	110	156	--	--
Conductivity	uS/cm	--	--	--	1040	--	800	910	600	800
Hardness, Calcium Carbonate	mg/l	--	--	100	*480*	--	*410*	*427.99*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	0.09	0.13	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.19	--	0.26	0.14	--	--
pH	-	--	--	8.5	--	--	7.29	7.37	6	6.5
Temperature	deg c	--	15	--	9	--	5	8	13	9.5
Total Dissolved Solids	mg/l	--	500	--	630	--	590	598	--	--
Total Organic Carbon	mg/l	--	--	--	0.9	--	1.7	1.7	--	--
Metals										
Boron, Dissolved	mg/l	5	--	--	<0.05	--	<0.05	--	--	--
Calcium, Dissolved	mg/l	--	--	--	150	--	130	132	--	--
Iron, Dissolved	mg/l	--	0.3	--	0.34	--	0.72	0.546	--	--
Magnesium, Dissolved	mg/l	--	--	--	25	--	20	23.9	--	--
Potassium, Dissolved	mg/l	--	--	--	1.9	--	1.3	1	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	39	--	41	47.9	--	--
Strontium, Dissolved	mg/l	--	--	--	1.6	--	1	1.39	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-2M 16-Feb-1999	MW-2M 16-Feb-1999 MW-2M-FD (Field Duplicate)	MW-2M 11-May-1999	MW-2M 22-Sep-1999	MW-2M 30-May-2000	MW-2M 15-May-2001
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	290	--	290	272	--	--
Ammonia Nitrogen	mg/l	--	--	--	0.23	--	0.25	0.11	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	<4	--	--
Chloride	mg/l	--	250	--	62	--	76	60.4	--	--
Conductivity	uS/cm	--	--	--	880	--	700	680	720	800
Hardness, Calcium Carbonate	mg/l	--	--	100	*380*	--	*350*	*305.66*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	0.02	--	0.01	0.08	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.25	--	0.26	0.19	--	--
pH	-	--	--	8.5	--	--	7.36	7.5	7.2	6.4
Temperature	deg c	--	15	--	7.5	--	4	8	13	8
Total Dissolved Solids	mg/l	--	500	--	460	--	460	505	--	--
Total Organic Carbon	mg/l	--	--	--	2.4	--	2.1	1.9	--	--
Metals										
Boron, Dissolved	mg/l	5	--	--	<0.05	--	<0.05	--	--	--
Calcium, Dissolved	mg/l	--	--	--	120	--	110	93.4	--	--
Iron, Dissolved	mg/l	--	0.3	--	1.4	--	1.4	1.08	--	--
Magnesium, Dissolved	mg/l	--	--	--	20	--	19	17.6	--	--
Potassium, Dissolved	mg/l	--	--	--	2.7	--	2.2	--	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	22	--	35	25.6	--	--
Strontium, Dissolved	mg/l	--	--	--	4.1	--	3.7	3.31	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-2S 16-Feb-1999	MW-2S 16-Feb-1999 MW-2S-FD (Field Duplicate)	MW-2S 11-May-1999	MW-2S 22-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	480	--	420	471
Ammonia Nitrogen	mg/l	--	--	--	6.2	--	4.1	5.22
Chemical Oxygen Demand	mg/l	--	--	--	10	--	17	21
Chloride	mg/l	--	250	--	130	--	110	205
Conductivity	uS/cm	--	--	--	1070	--	1050	1450
Hardness, Calcium Carbonate	mg/l	--	--	100	*400*	--	*330*	*429.29*
Nitrogen, Organic	mg/l	--	--	0.15	*0.2*	--	*0.7*	*0.58*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	6.4	--	4.8	5.8
pH	-	--	--	8.5	--	--	7.15	7.07
Temperature	deg c	--	15	--	7	--	4	10
Total Dissolved Solids	mg/l	--	500	--	770	--	670	909
Total Organic Carbon	mg/l	--	--	--	6.3	--	5.9	5
Metals								
Boron, Dissolved	mg/l	5	--	--	<0.05	--	<0.05	--
Calcium, Dissolved	mg/l	--	--	--	130	--	110	144
Iron, Dissolved	mg/l	--	0.3	--	3.3	--	2.1	3.63
Magnesium, Dissolved	mg/l	--	--	--	17	--	14	16.9
Potassium, Dissolved	mg/l	--	--	--	8.8	--	6.3	7
Sodium, Dissolved	mg/l	--	200 [10]	--	110	--	85	126
Strontium, Dissolved	mg/l	--	--	--	0.31	--	0.2	0.271

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-3D 17-Feb-1999	MW-3D 17-Feb-1999 MW-3D-FD (Field Duplicate)	MW-3D 11-May-1999	MW-3D 22-Sep-1999	MW-3D 30-May-2000	MW-3D 15-May-2001
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	300	--	320	312	--	--
Ammonia Nitrogen	mg/l	--	--	--	0.15	--	0.2	0.04	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	4	--	--
Chloride	mg/l	--	250	--	75	--	120	171	--	--
Conductivity	uS/cm	--	--	--	990	--	740	840	620	750
Hardness, Calcium Carbonate	mg/l	--	--	100	*410*	--	*370*	*358.6*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	0.01	--	0.08	*0.19*	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.16	--	0.28	0.23	--	--
pH	-	--	--	8.5	--	--	7.3	7.48	7.3	6.4
Temperature	deg c	--	15	--	4	--	4	8	18	9.5
Total Dissolved Solids	mg/l	--	500	--	700	--	560	577	--	--
Total Organic Carbon	mg/l	--	--	--	1.7	--	2.3	1.5	--	--
Metals										
Boron, Dissolved	mg/l	5	--	--	<0.05	--	<0.05	--	--	--
Calcium, Dissolved	mg/l	--	--	--	130	--	120	109	--	--
Iron, Dissolved	mg/l	--	0.3	--	1.5	--	1.5	1.52	--	--
Magnesium, Dissolved	mg/l	--	--	--	20	--	17	21	--	--
Potassium, Dissolved	mg/l	--	--	--	2.6	--	3.4	1	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	26	--	56	41	--	--
Strontium, Dissolved	mg/l	--	--	--	1.1	--	0.21	1.38	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-3M 17-Feb-1999	MW-3M 17-Feb-1999 MW-3M-FD (Field Duplicate)	MW-3M 11-May-1999	MW-3M 22-Sep-1999	MW-3M 30-May-2000	MW-3M 15-May-2001
General Chemistry										
Alkalinity as CaCO3	mg/l	--	--	--	340	--	280	309	--	--
Ammonia Nitrogen	mg/l	--	--	--	0.24	--	<0.1	0.06	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	5	--	--
Chloride	mg/l	--	250	--	110	--	110	157	--	--
Conductivity	uS/cm	--	--	--	1100	--	760	980	620	900
Hardness, Calcium Carbonate	mg/l	--	--	100	*400*	--	*390*	*359.21*	--	--
Nitrogen, Organic	mg/l	--	--	0.15	0.04	--	<0.16	0.11	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.28	--	0.16	0.17	--	--
pH	-	--	--	8.5	--	--	7.5	7.37	7.1	6.5
Temperature	deg c	--	15	--	4	--	5	9	18	9
Total Dissolved Solids	mg/l	--	500	--	830	--	560	577	--	--
Total Organic Carbon	mg/l	--	--	--	1.5	--	2.1	1.5	--	--
Metals										
Boron, Dissolved	mg/l	5	--	--	<0.05	--	<0.05	--	--	--
Calcium, Dissolved	mg/l	--	--	--	130	--	120	114	--	--
Iron, Dissolved	mg/l	--	0.3	--	1.7	--	1.3	1.42	--	--
Magnesium, Dissolved	mg/l	--	--	--	19	--	22	18.1	--	--
Potassium, Dissolved	mg/l	--	--	--	4.3	--	2.7	3	--	--
Sodium, Dissolved	mg/l	--	200 [10]	--	69	--	42	75.2	--	--
Strontium, Dissolved	mg/l	--	--	--	0.23	--	1.8	0.196	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-3S 17-Feb-1999	MW-3S 17-Feb-1999 MW-3S-FD (Field Duplicate)	MW-3S 11-May-1999	MW-3S 22-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	410	--	390	414
Ammonia Nitrogen	mg/l	--	--	--	0.27	--	1.4	0.05
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	9	5
Chloride	mg/l	--	250	--	420	--	370	488
Conductivity	uS/cm	--	--	--	1220	--	1600	1750
Hardness, Calcium Carbonate	mg/l	--	--	100	*590*	--	*530*	*556.48*
Nitrogen, Organic	mg/l	--	--	0.15	*0.36*	--	*0.7*	*0.26*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.63	--	2.1	0.31
pH	-	--	--	8.5	--	--	7.17	7.21
Temperature	deg c	--	15	--	5	--	4	11
Total Dissolved Solids	mg/l	--	500	--	1300	--	1100	1150
Total Organic Carbon	mg/l	--	--	--	1.3	--	3	2.4
Metals								
Boron, Dissolved	mg/l	5	--	--	<0.05	--	<0.05	--
Calcium, Dissolved	mg/l	--	--	--	190	--	170	177
Iron, Dissolved	mg/l	--	0.3	--	0.33	--	0.06	0.14
Magnesium, Dissolved	mg/l	--	--	--	29	--	25	27.8
Potassium, Dissolved	mg/l	--	--	--	3.2	--	2.6	3
Sodium, Dissolved	mg/l	--	200 [10]	--	190	--	160	134
Strontium, Dissolved	mg/l	--	--	--	1.4	--	1.2	1.15

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-4D 17-Feb-1999	MW-4D 17-Feb-1999 MW-4D-FD (Field Duplicate)	MW-4D 11-May-1999	MW-4D 21-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	310	--	360	313
Ammonia Nitrogen	mg/l	--	--	--	0.2	--	<0.1	0.01
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	5
Chloride	mg/l	--	250	--	99	--	130	129
Conductivity	uS/cm	--	--	--	1100	--	850	900
Hardness, Calcium Carbonate	mg/l	--	--	100	*380*	--	*360*	*394.3*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	<0.26	*0.19*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.18	--	0.26	0.2
pH	-	--	--	8.5	--	--	7.33	7.32
Temperature	deg c	--	15	--	4	--	4	11
Total Dissolved Solids	mg/l	--	500	--	600	--	570	593
Total Organic Carbon	mg/l	--	--	--	1.3	--	2.7	2
Metals								
Boron, Dissolved	mg/l	5	--	--	<0.05	--	<0.05	--
Calcium, Dissolved	mg/l	--	--	--	120	--	110	120
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	<0.05	<0.005
Magnesium, Dissolved	mg/l	--	--	--	20	--	20	23
Potassium, Dissolved	mg/l	--	--	--	3.3	--	3.3	3
Sodium, Dissolved	mg/l	--	200 [10]	--	58	--	65	57
Strontium, Dissolved	mg/l	--	--	--	0.25	--	0.23	0.37

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-4M 17-Feb-1999	MW-4M 17-Feb-1999 MW-4M-FD (Field Duplicate)	MW-4M 11-May-1999	MW-4M 21-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	340	--	340	345
Ammonia Nitrogen	mg/l	--	--	--	0.35	--	<0.1	0.08
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	27	20
Chloride	mg/l	--	250	--	110	--	110	160
Conductivity	uS/cm	--	--	--	1120	--	880	1350
Hardness, Calcium Carbonate	mg/l	--	--	100	*390*	--	*350*	*390.2*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	<0.57	*0.35*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.34	--	0.57	0.43
pH	-	--	--	8.5	--	--	7.22	7.57
Temperature	deg c	--	15	--	4.5	--	4	11
Total Dissolved Solids	mg/l	--	500	--	610	--	570	737
Total Organic Carbon	mg/l	--	--	--	1.9	--	3.8	3.2
Metals								
Boron, Dissolved	mg/l	5	--	--	<0.05	--	<0.05	--
Calcium, Dissolved	mg/l	--	--	--	120	--	110	120
Iron, Dissolved	mg/l	--	0.3	--	4	--	2.9	3.5
Magnesium, Dissolved	mg/l	--	--	--	21	--	19	22
Potassium, Dissolved	mg/l	--	--	--	2.9	--	3.6	4
Sodium, Dissolved	mg/l	--	200 [10]	--	70	--	71	90
Strontium, Dissolved	mg/l	--	--	--	0.13	--	0.12	0.14

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-4S 17-Feb-1999	MW-4S 17-Feb-1999 MW-4S-FD (Field Duplicate)	MW-4S 11-May-1999	MW-4S 21-Sep-1999
General Chemistry								
Alkalinity as CaCO3	mg/l	--	--	--	210	--	260	306
Ammonia Nitrogen	mg/l	--	--	--	0.15	--	<0.1	<0.01
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	16	13
Chloride	mg/l	--	250	--	170	--	110	298
Conductivity	uS/cm	--	--	--	1100	--	750	1350
Hardness, Calcium Carbonate	mg/l	--	--	100	*310*	--	*310*	*440.2*
Nitrogen, Organic	mg/l	--	--	0.15	*0.21*	--	<0.48	<0.37
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.36	--	0.48	0.37
pH	-	--	--	8.5	--	--	7.58	7.57
Temperature	deg c	--	15	--	4.5	--	5	11
Total Dissolved Solids	mg/l	--	500	--	800	--	480	100
Total Organic Carbon	mg/l	--	--	--	1.3	--	3.5	3.1
Metals								
Boron, Dissolved	mg/l	5	--	--	<0.05	--	<0.05	--
Calcium, Dissolved	mg/l	--	--	--	96	--	98	140
Iron, Dissolved	mg/l	--	0.3	--	<0.05	--	<0.05	0.12
Magnesium, Dissolved	mg/l	--	--	--	17	--	16	22
Potassium, Dissolved	mg/l	--	--	--	3.3	--	5.3	8
Sodium, Dissolved	mg/l	--	200 [10]	--	90	--	66	160
Strontium, Dissolved	mg/l	--	--	--	0.12	--	0.14	0.23

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-5D 22-Sep-1999	MW-5D 22-Sep-1999 MW-5D-FD (Field Duplicate)
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	323	--
Chemical Oxygen Demand	mg/l	--	--	--	<4	--
Chloride	mg/l	--	250	--	103	--
Conductivity	uS/cm	--	--	--	1000	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*405.62*	--
pH	-	--	--	8.5	*9.42*	--
Temperature	deg c	--	15	--	9	--
Total Dissolved Solids	mg/l	--	500	--	643	--
Total Organic Carbon	mg/l	--	--	--	1.9	--
Metals						
Calcium, Dissolved	mg/l	--	--	--	116	--
Iron, Dissolved	mg/l	--	0.3	--	1.06	--
Magnesium, Dissolved	mg/l	--	--	--	28.2	--
Potassium, Dissolved	mg/l	--	--	--	<1	--
Sodium, Dissolved	mg/l	--	200 [10]	--	22.9	--
Strontium, Dissolved	mg/l	--	--	--	1.2	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-5M 22-Sep-1999	MW-5M 22-Sep-1999 MW-5M-FD (Field Duplicate)
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	325	--
Ammonia Nitrogen	mg/l	--	--	--	0.16	--
Chemical Oxygen Demand	mg/l	--	--	--	32	--
Chloride	mg/l	--	250	--	73.5	--
Conductivity	uS/cm	--	--	--	690	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*316.93*	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.23*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.39	--
pH	-	--	--	8.5	7.38	--
Temperature	deg c	--	15	--	8	--
Total Dissolved Solids	mg/l	--	500	--	725	--
Total Organic Carbon	mg/l	--	--	--	1.6	--
Metals						
Calcium, Dissolved	mg/l	--	--	--	94.3	--
Iron, Dissolved	mg/l	--	0.3	--	1.19	--
Magnesium, Dissolved	mg/l	--	--	--	19.8	--
Potassium, Dissolved	mg/l	--	--	--	<1	--
Sodium, Dissolved	mg/l	--	200 [10]	--	36.1	--
Strontium, Dissolved	mg/l	--	--	--	0.348	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	MW-5S 22-Sep-1999	MW-5S 22-Sep-1999 MW-5S-FD (Field Duplicate)
General Chemistry						
Alkalinity as CaCO3	mg/l	--	--	--	408	--
Chemical Oxygen Demand	mg/l	--	--	--	8	--
Chloride	mg/l	--	250	--	459	--
Conductivity	uS/cm	--	--	--	1400	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*385*	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.36	--
pH	-	--	--	8.5	7.18	--
Temperature	deg c	--	15	--	10	--
Total Dissolved Solids	mg/l	--	500	--	1080	--
Total Organic Carbon	mg/l	--	--	--	2090	--
Metals						
Calcium, Dissolved	mg/l	--	--	--	115	--
Iron, Dissolved	mg/l	--	0.3	--	<0.005	--
Magnesium, Dissolved	mg/l	--	--	--	23.2	--
Potassium, Dissolved	mg/l	--	--	--	2	--
Sodium, Dissolved	mg/l	--	200 [10]	--	209	--
Strontium, Dissolved	mg/l	--	--	--	0.514	--

Footnotes:

Tables should be read in conjunction with the accompanying document.
< value = Indicates parameter not detected above laboratory method detection limit
> value = Indicates parameter detected above equipment analytical range
-- Chemical not analyzed or criteria not defined
(1) Ontario Drinking Water Quality Standards - Health Based Standards
(2) Bold = Parameter concentration greater than ODWQS(169/03)-Health
(3) Ontario Drinking Water Quality Standards - Aesthetic Objectives. Aesthetic Objectives are established for parameters that may impair the taste, odour or colour of water or which may interfere with good water quality control practices. For certain parameters, both aesthetic objectives and health-related MACs have been derived.
(4) Underline = Parameter concentration greater than ODWQS-AO
(5) Ontario Drinking Water Quality Standards - Operational Guidelines. Operational Guidelines are established for parameters that, if not controlled, may negatively affect the efficient and effective treatment, disinfection and distribution of the water.
(6) Italic = Parameter concentration greater than ODWQS-OG
(7) Criteria exist for Nitrate as N
(8) Criteria exist for Nitrite as N
(9) There may be a laxative effect in some individuals when sulphate levels exceed 500 mg/L.
(10) The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.
(11) Applicable for all waters at the point of consumption.
(12) The Operational Guidelines for filtration processes are provided as performance criteria in the Procedure for Disinfection of Drinking Water in Ontario.
(13) Monitoring location was dry during this sampling event. No sample was collected.

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Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-1D 06-May-2002	00-1D 22-Apr-2003	00-1D 12-Apr-2004	00-1D 15-May-2005	00-1D 24-May-2006	00-1D 09-May-2007	00-1D 27-May-2008	00-1D 04-Jun-2009 Z-4	00-1D 05-May-2010 T-12	00-1D 05-May-2011 [7] G-1
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	510	600	440	665	400	405	420	461	520	509
pH (Field)	-	--	--	8.5	7.1	6.9	7	7.4	7.7	7.8	7.7	7.26	7.84	7.73
Temperature (Field)	deg c	--	15	--	8	9	7	9	12	10	11	18.8	12.2	9.1

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-1D 28-May-2012 00-1D
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	477
pH (Field)	-	--	--	8.5	7.51
Temperature (Field)	deg c	--	15	--	15.4

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-1M 06-May-2002	00-1M 22-Apr-2003	00-1M 12-Apr-2004	00-1M 15-May-2005	00-1M 30-May-2006	00-1M 09-May-2007	00-1M 27-May-2008	00-1M 04-Jun-2009 Z-5	00-1M 05-May-2010 T-10	00-1M 05-May-2011 [7] G-2
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	410	460	660	705	220	305	410	282	298	326
pH (Field)	-	--	--	8.5	7.2	7.1	7.2	7.3	7.5	7.4	7.3	7.52	7.66	7.61
Temperature (Field)	deg c	--	15	--	8	10	7	8	12	10	11	12.2	13.2	8.1

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-1M 28-May-2012 00-1M
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	256
pH (Field)	-	--	--	8.5	7.57
Temperature (Field)	deg c	--	15	--	15.2

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-1S 06-May-2002	00-1S 22-Apr-2003	00-1S 12-Apr-2004	00-1S 15-May-2005	00-1S 31-May-2006	00-1S 06-Jun-2006	00-1S 09-May-2007	00-1S 27-May-2008	00-1S 04-Jun-2009 Z-6	00-1S 05-May-2010 T-11
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	--	400	410	705	480	700	505	415	367	399
pH (Field)	-	--	--	8.5	--	7.1	7.3	7.3	7.4	7.2	7.2	7.1	7.79	7.92
Temperature (Field)	deg c	--	15	--	--	10	6	10	11	8	10	12	10.2	10.3

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-1S 05-May-2011 [7] G-3	00-1S 28-May-2012 00-1S
General Chemistry						
Conductivity (Field)	uS/cm	--	--	--	376	363
pH (Field)	-	--	--	8.5	7.88	7.81
Temperature (Field)	deg c	--	15	--	7.9	15.3

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-2D 15-May-2002	00-2D 09-May-2003	00-2D 12-Apr-2004	00-2D 15-May-2005	00-2D 06-Jun-2006	00-2D 09-May-2007	00-2D 27-May-2008	00-2D 04-Jun-2009 Z-7	00-2D 05-May-2010 T-13	00-2D 05-May-2011 [7] G-4
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	490	560	580	550	580	395	480	662	686	619
pH (Field)	-	--	--	8.5	6.9	7	6.8	7.1	7.2	7.4	7.5	7.90	7.89	7.88
Temperature (Field)	deg c	--	15	--	7	8	7	8	8	9	10	10.3	10.8	9.8

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-2D 28-May-2012 00-2D
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	609
pH (Field)	-	--	--	8.5	7.88
Temperature (Field)	deg c	--	15	--	10.6

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-2M 15-May-2002	00-2M 09-May-2003	00-2M 12-Apr-2004	00-2M 15-May-2005	00-2M 06-Jun-2006	00-2M 09-May-2007	00-2M 27-May-2008	00-2M 04-Jun-2009 Z-8	00-2M 05-May-2010 T-14	00-2M 05-May-2011 [7] G-5
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	490	520	545	600	580	530	485	515	518	576
pH (Field)	-	--	--	8.5	7.3	7.2	6.9	7.2	7.2	7.2	7.1	8.00	7.93	7.89
Temperature (Field)	deg c	--	15	--	8	9	5	9	9	10	10	5.4	10.1	9.3

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-2M 28-May-2012 00-2M
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	517
pH (Field)	-	--	--	8.5	7.94
Temperature (Field)	deg c	--	15	--	9.3

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-2S 15-May-2002	00-2S 09-May-2003	00-2S 12-Apr-2004	00-2S 15-May-2005	00-2S 06-Jun-2006	00-2S 09-May-2007	00-2S 27-May-2008	00-2S 04-Jun-2009 Z-9	00-2S 05-May-2010 T-15	00-2S 05-May-2011 [7] G-6
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	560	610	700	700	620	490	525	466	432	454
pH (Field)	-	--	--	8.5	7.1	6.9	6.8	6.9	7	7.3	7.4	7.90	7.83	7.80
Temperature (Field)	deg c	--	15	--	9	11	6	10	9	10	12	8.4	8	8.4

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-2S 28-May-2012 00-2S
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	451
pH (Field)	-	--	--	8.5	7.85
Temperature (Field)	deg c	--	15	--	8.9

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-3 06-May-2002	00-3 24-Apr-2003	00-3 12-Apr-2004	00-3 30-May-2005	00-3 06-Jun-2006	00-3 15-May-2007	00-3 04-Jun-2008	00-3 14-Jul-2009	00-3 27-May-2010	00-3 27-Jun-2011
												00-3	B-5	00-3
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	590	670	630	710	645	700	450	482	470	--
pH (Field)	-	--	--	8.5	7.1	7.3	7	7.1	7.2	7.4	7.7	7.8	7.9	--
Temperature (Field)	deg c	--	15	--	7	9	4	7	7	7	6	11	10	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	00-3 22-Nov-2012 S-1
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	480
pH (Field)	-	--	--	8.5	7.6
Temperature (Field)	deg c	--	15	--	6

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	90-2D 13-May-2002	90-2D 08-May-2003	90-2D 16-Apr-2004	90-2D 27-May-2005	90-2D 04-Jun-2006	90-2D 15-May-2007	90-2D 03-Jun-2008	90-2D 04-Jun-2009 Z-2	90-2D 14-Jul-2009 90-2d
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	250	275	281	287	280	261	258	275	290
Ammonia Nitrogen	mg/L	--	--	--	0.03	0.03	<0.03	0.05	0.39	<0.02	<0.02	0.03	0.03
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	9	<5	6	41	<5	13	<5
Chloride	mg/l	--	250	--	17	13	13.3	14	9	12	7	13	11
Color	color unit	--	5	--	3	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	450	650	530	500	920	590	572	535	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*294*	*335*	*334.7*	*334*	*301*	*305*	*317*	*320*	*338*
Nitrogen, Organic	mg/l	--	--	0.15	*0.29*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.32	0.13	0.15	0.1	0.58	0.09	0.23	0.29	0.18
pH (Field)	-	--	--	8.5	6.2	6.3	6.9	7.2	6.8	7	7.4	7.29	--
Temperature (Field)	deg c	--	15	--	8	9	10.5	8	9	10	13	10.1	--
Total Dissolved Solids	mg/l	--	500	--	--	422	342	426	395	376	372	394	407
Total Organic Carbon	mg/l	--	--	--	--	3.2	1.5	2.9	3	12.1	3	3.8	3.7
Turbidity	ntu	--	5 [8]	-- [9]	22.9	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	0.09	0.09	0.11	0.11	0.1	0.1	0.12	0.08	0.12
Calcium, dissolved	mg/l	--	--	--	88	103	97.4	99	91	91	94	95	99
Iron, dissolved	mg/l	--	0.3	--	--	0.85	0.88	0.94	0.67	<0.03	0.52	0.74	0.79
Magnesium, dissolved	mg/l	--	--	--	18	19	22.2	21	18	19	20	20	22
Potassium, dissolved	mg/l	--	--	--	2	2	1.7	2	2	3	2	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	8	9	8.5	9	8	9	9	8	11
Strontium, dissolved	mg/l	--	--	--	1.47	1.78	1.31	1.38	1.28	1.11	1.23	1.16	1.23

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	90-2D 27-May-2010 B-1	90-2D 10-May-2011 A-32	90-2D 24-May-2012 90-2D
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	245	280	285
Ammonia Nitrogen	mg/L	--	--	--	<0.02	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	5	20	<5
Chloride	mg/l	--	250	--	8	8	7
Color	color unit	--	5	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	620	608	601
Hardness, Calcium Carbonate	mg/l	--	--	100	*248*	*306*	*300*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	<0.10	<0.10
pH (Field)	-	--	--	8.5	7.1	7.16	7.04
Temperature (Field)	deg c	--	15	--	12	10.0	13.1
Total Dissolved Solids	mg/l	--	500	--	367	374	380
Total Organic Carbon	mg/l	--	--	--	3.8	3.3	3.7
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--
Metals							
Boron, dissolved	mg/l	5	--	--	0.08	0.09	0.10
Calcium, dissolved	mg/l	--	--	--	73	93	89
Iron, dissolved	mg/l	--	0.3	--	<0.03	0.67	0.71
Magnesium, dissolved	mg/l	--	--	--	16	18	19
Potassium, dissolved	mg/l	--	--	--	2	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	7	9	9
Strontium, dissolved	mg/l	--	--	--	1.20	1.10	1.26

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-3D 18-Apr-1990	90-3D 11-Aug-1990	90-3D 05-Nov-1990	90-3D 18-Apr-1991	90-3D 03-Sep-1991	90-3D 14-Nov-1991	90-3D 06-May-1992	90-3D 18-Aug-1992	90-3D 19-Nov-1992
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	284	226	--	320	320	390	360	300	350
Ammonia Nitrogen	mg/l	--	--	--	0.29	<0.1	<0.1	0.2	0.22	0.28	0.23	0.24	0.27
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	1	1	--	<3	<3	<3	<3	<3	<3
Bromide	mg/l	--	--	--	1.1	2.3	1.1	0.61	0.57	0.48	0.5	0.56	0.56
Chemical Oxygen Demand	mg/l	--	--	--	16	--	--	21	27	7	17	10	22
Chloride	mg/l	--	250	--	90	106	87	130	120	120	110	99	140
Color	color unit	--	5	--	--	--	<2	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	850	900	800	800	700	1125	1000	800	1000
Cyanide	mg/l	0.2	--	--	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	0.003
Fluoride	mg/l	1.5	--	--	0.43	0.29	0.2	0.53	0.63	0.64	0.45	0.57	0.54
Hardness, Calcium Carbonate	mg/l	--	--	100	*418*	*425*	*471*	*484*	*528*	*500*	*526*	*540*	*620*
Nitrate as N	mg/l	10	--	--	<0.1	0.37	<0.1	<0.1	<0.1	0.11	<0.1	0.12	<0.1
Nitrite as N	mg/l	1	--	--	<0.1	<0.1	<0.01	<0.5	0.007	0.009	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	*0.16*	*0.29*	*0.27*	*0.19*	*0.49*	*0.24*
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.69	<0.1	0.14	0.36	0.51	0.55	0.42	0.73	0.51
pH (Field)	-	--	--	8.5	7.4	7.5	8.36	7.24	7.1	7.3	7	7.4	7.4
Phosphate	mg/l	--	--	--	0.13	0.27	0.14	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1
Phosphorus	mg/l	--	--	--	0.2	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	9	35	33	30	25	27	29	30	34
Temperature (Field)	deg c	--	15	--	10	14	8	4.44	12.2	8.3	11	7	8
Total Dissolved Solids	mg/l	--	500	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [8]	9	--	--	10	--	--	--	--	--	--
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.03	0.02	<0.03	<0.05	<0.05	<0.05	<0.05	0.05	0.05
Arsenic, dissolved	mg/l	0.025	--	--	**0.04**	<0.01	<0.01	<0.001	0.0004	0.0004	<0.001	0.0005	0.0008
Barium, dissolved	mg/l	1	--	--	0.36	0.37	0.31	0.341	0.378	0.33	0.36	0.36	0.42
Beryllium, dissolved	mg/l	--	--	--	0.08	<0.01	<0.01	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Boron, dissolved	mg/l	5	--	--	<0.01	0.13	0.08	0.12	0.13	0.12	0.12	0.26	0.14
Cadmium, dissolved	mg/l	0.005	--	--	0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002
Calcium, dissolved	mg/l	--	--	--	93	99	--	120	124	117	120	130	150
Chromium, dissolved	mg/l	0.05	--	--	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, dissolved	mg/l	--	--	--	0.02	<0.01	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Copper, dissolved	mg/l	--	1	--	<0.002	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexavalent Chromium	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	0.05	0.69	0.81	1.47	1	1.18	1	1.3	1.4
Lead, dissolved	mg/l	0.01	--	--	<0.002	<0.002	<0.002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium, dissolved	mg/l	--	--	--	45	43	--	52.3	53	50.6	55	52	62
Manganese, dissolved	mg/l	--	0.05	--	0.07	0.07	0.05	0.09	0.1	0.09	0.08	0.09	0.11
Molybdenum, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3
Nickel, dissolved	mg/l	--	--	--	0.02	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Potassium, dissolved	mg/l	--	--	--	4	3	--	2.5	4	4	2.9	3	4.9
Silicon, dissolved	mg/l	--	--	--	7.7	7.8	6.4	7.99	9.08	8.53	8.9	6.7	9.3
Silver, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium, dissolved	mg/l	--	200 [10]	--	18	17	--	17.5	23.6	21.4	21	21	22
Strontium, dissolved	mg/l	--	--	--	4.4	4.67	4.09	4.77	4.79	4.24	4.9	4.4	5.7
Sulfur	mg/l	--	--	--	15	14	14	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	0.09	0.03	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-3D 18-Apr-1990	90-3D 11-Aug-1990	90-3D 05-Nov-1990	90-3D 18-Apr-1991	90-3D 03-Sep-1991	90-3D 14-Nov-1991	90-3D 06-May-1992	90-3D 18-Aug-1992	90-3D 19-Nov-1992
Vanadium, dissolved	mg/l	--	--	--	0.04	0.12	<0.01	<0.005	<0.005	<0.005	0.02	<0.005	<0.005
Zinc, dissolved	mg/l	--	5	--	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	0.31	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-3D 20-May-1993	90-3D 01-Sep-1993	90-3D 24-Nov-1993	90-3D 16-May-1994	90-3D 20-Sep-1994	90-3D 24-Apr-1995	90-3D 19-Sep-1995	90-3D 08-May-1996	90-3D 26-Sep-1996
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	360	490	420	390	420	450	430	380	430
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.08	<0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<3	<3	<3	<3	<3	<3	<3	<2	<2
Bromide	mg/l	--	--	--	0.13	0.43	0.42	<0.1	0.28	0.23	<0.1	<0.1	0.35
Chemical Oxygen Demand	mg/l	--	--	--	79	14	36	12	48	15	<5	<10	<5
Chloride	mg/l	--	250	--	79	97	130	130	59	68	62	61	70
Color	color unit	--	5	--	--	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	900	950	1050	1000	875	1000	900	940	710
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	0.003	<0.002	<0.002	<0.002	<0.005	<0.005
Fluoride	mg/l	1.5	--	--	0.2	0.33	0.38	0.47	0.28	0.24	0.31	0.47	0.47
Hardness, Calcium Carbonate	mg/l	--	--	100	*500*	*600*	*710*	*500*	*490*	*500*	*460*	*480*	*420*
Nitrate as N	mg/l	10	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05
Nitrite as N	mg/l	1	--	--	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	<0.105	<0.2	<0.2	<0.2	<0.2	<0.2	<1.1	<0.15	<0.15
Nitrogen, Organic	mg/l	--	--	0.15	<0.35	<0.27	<0.18	<0.1	<0.32	<0.1	<0.74	0.01	<0.4
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.35	0.27	0.18	<0.1	0.32	<0.1	0.74	0.09	0.4
pH (Field)	-	--	--	8.5	6.8	7.3	7.5	6.8	7.5	7.4	7.5	7	7.4
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	<1	<0.2
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	51	32	38	35	25	22	23	45	40
Temperature (Field)	deg c	--	15	--	9	11.5	9	10	10	9	11	7	5.5
Total Dissolved Solids	mg/l	--	500	--	600	600	660	550	540	540	540	610	540
Total Organic Carbon	mg/l	--	--	--	5.3	6.7	5.5	3.3	3.8	3.8	3.7	22	11
Turbidity	ntu	--	5 [8]	9	--	--	--	--	--	--	--	--	--
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	0.05	0.05	<0.05	<0.05	<0.05	0.06	<0.1	*0.11*
Arsenic, dissolved	mg/l	0.025	--	--	<0.0005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005
Barium, dissolved	mg/l	1	--	--	0.36	0.4	0.36	0.35	0.36	0.33	0.34	0.3	0.33
Beryllium, dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01
Boron, dissolved	mg/l	5	--	--	0.06	0.17	0.16	0.14	<0.05	<0.05	0.15	0.15	0.31
Cadmium, dissolved	mg/l	0.005	--	--	0.0002	<0.005	0.00035	0.0006	0.0002	<0.005	<0.005	<0.00008	<0.00008
Calcium, dissolved	mg/l	--	--	--	120	140	180	117	117	120	110	118	110
Chromium, dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
Cobalt, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	<0.09
Copper, dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
Hexavalent Chromium	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	1.1	1.1	1.14	1.6	1.2	1.4	0.84	1.7	1
Lead, dissolved	mg/l	0.01	--	--	**0.016**	<0.01	0.003	0.003	**0.012**	**0.012**	**0.012**	<0.0006	<0.0006
Magnesium, dissolved	mg/l	--	--	--	50	60	61	50	49	47	45	47	45
Manganese, dissolved	mg/l	--	0.05	--	0.09	0.11	0.13	0.1	0.08	0.087	0.073	0.1	0.1
Molybdenum, dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	<0.04
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03
Potassium, dissolved	mg/l	--	--	--	3	3.9	2.5	2.6	3.1	<2	3.4	3.1	3.6
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--	10	--	--	--
Silver, dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.02
Sodium, dissolved	mg/l	--	200 [10]	--	19	29	22	22	25	25	22	24	23
Strontium, dissolved	mg/l	--	--	--	4.8	5.2	4.8	4.6	4.9	4.4	4.5	4.8	4.7
Sulfur	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	<1
Titanium, dissolved	mg/l	--	--	--	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-3D 20-May-1993	90-3D 01-Sep-1993	90-3D 24-Nov-1993	90-3D 16-May-1994	90-3D 20-Sep-1994	90-3D 24-Apr-1995	90-3D 19-Sep-1995	90-3D 08-May-1996	90-3D 26-Sep-1996
Vanadium, dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-3D 28-Nov-1996	90-3D 07-May-1997	90-3D 02-Oct-1997	90-3D 12-May-1998	90-3D 22-Sep-1998	90-3D 04-May-1999	90-3D 05-May-1999	90-3D 10-Oct-1999	90-3D 11-Oct-1999
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	390	400	380	410	420	--	--	394
Ammonia Nitrogen	mg/l	--	--	--	--	<0.1	<0.1	<0.1	0.12	0.12	--	--	<0.05
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	2.3	<2	<2	4	<2	--	--	<2
Bromide	mg/l	--	--	--	--	0.36	0.52	0.31	0.35	0.33	--	--	<0.35
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	<5	<5	22	6	--	--	18
Chloride	mg/l	--	250	--	--	70	70	72	82	88	--	--	121
Color	color unit	--	5	--	--	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	--	730	1020	960	835	940	--	--	630
Cyanide	mg/l	0.2	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	<0.02
Fluoride	mg/l	1.5	--	--	--	0.38	0.51	0.45	0.48	0.41	--	--	0.6
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*500*	*470*	*530*	*420*	*520*	--	--	*562.96*
Nitrate as N	mg/l	10	--	--	--	0.23	0.35	<0.1	<0.1	<0.1	--	--	0.4
Nitrite as N	mg/l	1	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	<0.33	<0.45	<0.2	<0.2	<0.2	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	<0.64	<0.55	<0.36	*0.39*	*0.64*	--	--	<0.3
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.64	0.55	0.36	0.51	0.76	--	--	0.3
pH (Field)	-	--	--	8.5	--	7.4	7.5	7.85	6.6	7.4	--	--	7.3
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	0.06
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	--	34	35	37	37	34	--	--	133
Temperature (Field)	deg c	--	15	--	--	8.5	9.5	10	4	4	--	--	6.5
Total Dissolved Solids	mg/l	--	500	--	--	590	590	540	580	620	--	--	597
Total Organic Carbon	mg/l	--	--	--	--	2.9	5.7	2.6	4.9	4.8	--	--	4
Turbidity	ntu	--	5 [8]	9	--	--	--	--	--	--	--	--	--
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	--	<0.05	<0.05	<0.05	<0.05	<0.05	--	--	<0.025
Arsenic, dissolved	mg/l	0.025	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	<0.002
Barium, dissolved	mg/l	1	--	--	--	0.33	0.33	0.36	0.38	0.38	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	<0.001
Boron, dissolved	mg/l	5	--	--	--	0.14	0.14	0.14	0.13	0.17	--	--	--
Cadmium, dissolved	mg/l	0.005	--	--	--	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	--	--	<0.0002
Calcium, dissolved	mg/l	--	--	--	--	120	110	130	120	120	--	--	134
Chromium, dissolved	mg/l	0.05	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	--	<0.005
Cobalt, dissolved	mg/l	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	--	--	<0.005
Copper, dissolved	mg/l	--	1	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	--	<0.003
Hexavalent Chromium	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	--	1.7	1.8	1.9	1.4	2	--	--	1.87
Lead, dissolved	mg/l	0.01	--	--	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	--	0.006
Magnesium, dissolved	mg/l	--	--	--	--	48	47	50	79	53	--	--	55.6
Manganese, dissolved	mg/l	--	0.05	--	--	0.13	0.12	0.14	0.14	0.13	--	--	0.09
Molybdenum, dissolved	mg/l	--	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	--	<0.006
Nickel, dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01
Potassium, dissolved	mg/l	--	--	--	--	3.4	3	3.2	3.8	4.2	--	--	1
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.007
Sodium, dissolved	mg/l	--	200 [10]	--	--	26	26	28	28	33	--	--	35
Strontium, dissolved	mg/l	--	--	--	--	5	5	5.1	5.4	5.4	--	--	5.72
Sulfur	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	0.05
Titanium, dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.003

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-3D 28-Nov-1996	90-3D 07-May-1997	90-3D 02-Oct-1997	90-3D 12-May-1998	90-3D 22-Sep-1998	90-3D 04-May-1999	90-3D 05-May-1999	90-3D 10-Oct-1999	90-3D 11-Oct-1999
Vanadium, dissolved	mg/l	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.003
Zinc, dissolved	mg/l	--	5	--	--	<0.01	<0.01	<0.01	0.02	0.01	--	--	0.379
Zirconium, dissolved	mg/l	--	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	--	<0.003

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-3D 30-May-2000	90-3D 15-May-2002	90-3D 09-May-2003	90-3D 16-Apr-2004	90-3D 27-May-2005	90-3D 04-Jun-2006	90-3D 15-May-2007	90-3D 04-Jun-2008	90-3D 08-Jun-2009
													J-2
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	429	388	383	401	412	394	377	416	422
Ammonia Nitrogen	mg/l	--	--	--	0.11	0.16	0.07	0.08	0.09	0.24	0.18	0.14	0.11
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	1	<1	<0.5	--	--	--	--	--
Bromide	mg/l	--	--	--	0.28	0.34	0.64	<0.5	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	12	9	10	18	7	9	8	5	18
Chloride	mg/l	--	250	--	96	82	83	91.2	101	85	89	98	101
Color	color unit	--	5	--	--	4	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	930	1050	992	820	850	720	665	1090	1029
Cyanide	mg/l	0.2	--	--	<0.02	<0.005	<0.005	<0.001	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.54	0.52	0.48	0.5	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*516*	*494*	*461*	*448.8*	*521*	*475*	*462*	*509*	*525*
Nitrate as N	mg/l	10	--	--	<0.1	<0.1	<0.1	<0.2	--	--	--	--	--
Nitrite as N	mg/l	1	--	--	<0.1	<0.1	<0.1	<0.2	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.55*	*0.26*	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.66	0.42	0.36	0.3	0.49	0.56	0.59	0.37	0.27
pH (Field)	-	--	--	8.5	7.3	6.7	6.8	7	7.4	7	7.1	7.5	7.3
Phosphate	mg/l	--	--	--	--	<0.03	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	0.04	--	<0.05	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	0.12	--	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	38	38	34	36.3	--	--	--	--	--
Temperature (Field)	deg c	--	15	--	10.5	9	8	10.7	8.5	8	11	12	10.9
Total Dissolved Solids	mg/l	--	500	--	632	--	645	574	702	657	633	708	722
Total Organic Carbon	mg/l	--	--	--	5.6	--	4.2	2.3	5.2	4.2	4.6	5.5	6.8
Turbidity	ntu	--	5 [8]	9	--	19.4	--	--	--	--	--	--	--
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.01	<0.005	--	--	--	--	--
Arsenic, dissolved	mg/l	0.025	--	--	<0.0001	<0.001	<0.001	<0.002	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	0.33	0.33	0.32	0.367	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	<0.002	<0.002	<0.001	<0.001	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.16	0.12	0.08	0.121	0.15	0.12	0.13	0.14	0.13
Cadmium, dissolved	mg/l	0.005	--	--	<0.005	<0.0001	<0.0001	<0.0001	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	124	117	117	107	128	116	114	123	126
Chromium, dissolved	mg/l	0.05	--	--	<0.01	0.005	0.007	<0.005	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	<0.01	0.0005	0.0004	<0.0001	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	<0.01	0.001	<0.001	<0.0005	--	--	--	--	--
Hexavalent Chromium	mg/l	--	--	--	--	<0.05	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	2.06	1.35	0.92	1.64	1.89	1.49	1.11	2.37	1.56
Lead, dissolved	mg/l	0.01	--	--	<0.001	0.001	<0.001	<0.0005	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	50	49	41	43.5	49	45	43	49	51
Manganese, dissolved	mg/l	--	0.05	--	0.13	0.07	0.057	0.066	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.005	0.002	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.005	0.003	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	4	3	2	3.2	4	3	3	4	4
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	<0.01	<0.0001	<0.0001	<0.0001	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	34	24	24	27.8	35	23	24	33	35
Strontium, dissolved	mg/l	--	--	--	4.59	4.58	5.32	4.13	5.41	4.16	4.14	4.86	5.02
Sulfur	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	<0.2	<0.001	<0.001	<0.00005	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.005	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-3D 30-May-2000	90-3D 15-May-2002	90-3D 09-May-2003	90-3D 16-Apr-2004	90-3D 27-May-2005	90-3D 04-Jun-2006	90-3D 15-May-2007	90-3D 04-Jun-2008	90-3D 08-Jun-2009 J-2
Vanadium, dissolved	mg/l	--	--	--	<0.01	0.001	0.002	0.0023	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.01	<0.005	0.006	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	0.005	0.013	<0.01	<0.001	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-3D 27-May-2010 B-4	90-3D 10-May-2011 A-10	90-3D 24-May-2012 90-3D
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	398	449	412
Ammonia Nitrogen	mg/l	--	--	--	0.36	0.10	0.13
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	13	10	15
Chloride	mg/l	--	250	--	90	105	97
Color	color unit	--	5	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	998	1160	1050
Cyanide	mg/l	0.2	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*485*	*530*	*479*
Nitrate as N	mg/l	10	--	--	--	--	--
Nitrite as N	mg/l	1	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.41	0.27	0.32
pH (Field)	-	--	--	8.5	7.1	7.36	--
Phosphate	mg/l	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	--	--	--
Temperature (Field)	deg c	--	15	--	12	12.0	--
Total Dissolved Solids	mg/l	--	500	--	689	722	682
Total Organic Carbon	mg/l	--	--	--	5.8	6.2	5.6
Turbidity	ntu	--	5 [8]	9	--	--	--
Metals							
Aluminum, dissolved	mg/l	--	--	0.1	--	--	--
Arsenic, dissolved	mg/l	0.025	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.12	0.12	0.13
Cadmium, dissolved	mg/l	0.005	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	120	128	116
Chromium, dissolved	mg/l	0.05	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--	--
Hexavalent Chromium	mg/l	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	1.78	2.97
Lead, dissolved	mg/l	0.01	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	45	51	46
Manganese, dissolved	mg/l	--	0.05	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	4	4	3
Silicon, dissolved	mg/l	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	26	36	28
Strontium, dissolved	mg/l	--	--	--	4.79	5.06	4.64
Sulfur	mg/l	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	[6] [5] ODWQS-OG	90-3D 27-May-2010 B-4	90-3D 10-May-2011 A-10	90-3D 24-May-2012 90-3D
Vanadium, dissolved	mg/l	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	91-2D 08-May-2002	91-2D 26-Apr-2003	91-2D 14-Apr-2004	91-2D 27-May-2005	91-2D 30-May-2006	91-2D 14-May-2007	91-2D 27-May-2008	91-2D 08-Jun-2009 J-3	91-2D 13-May-2010 [14] B-8
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	490	466	456	483	482	500	435	459	580
Ammonia Nitrogen	mg/L	--	--	--	1.46	0.54	0.39	0.45	0.36	0.46	0.89	0.46	1.58
Chemical Oxygen Demand	mg/l	--	--	--	24	20	24	21	9	18	17	25	30
Chloride	mg/l	--	250	--	109	114	123	113	121	124	86	100	127
Conductivity (Field)	uS/cm	--	--	--	1310	670	600	1000	1050	1110	1100	1080	1544
Hardness, Calcium Carbonate	mg/l	--	--	100	*554*	*579*	*520.4*	*567*	*520*	*566*	*468*	*527*	*516*
Nitrogen, Organic	mg/l	--	--	0.15	*0.61*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.07	0.99	0.16	0.89	0.67	0.77	1.16	0.72	2.50
pH (Field)	-	--	--	8.5	7	7	7.1	7.3	7.3	7.2	7	7.21	7
Temperature (Field)	deg c	--	15	--	8	9	5	8	12.3	10	12	12.4	11.2
Total Dissolved Solids	mg/l	--	500	--	852	806	722	839	800	845	715	748	956
Total Organic Carbon	mg/l	--	--	--	9.5	7.4	7.1	7.6	7.4	8.2	7.9	7.1	11.8
Metals													
Boron, dissolved	mg/l	5	--	--	0.33	0.31	0.36	0.37	0.33	0.42	0.24	0.31	0.36
Calcium, dissolved	mg/l	--	--	--	123	133	117	133	119	131	115	122	129
Iron, dissolved	mg/l	--	0.3	--	2.3	1.67	2.37	1.32	2.03	0.1	1.86	1.22	1.02
Magnesium, dissolved	mg/l	--	--	--	60	60	55.1	57	54	58	44	54	47
Potassium, dissolved	mg/l	--	--	--	6	6	5	5	6	6	6	6	7
Sodium, dissolved	mg/l	--	200 [10]	--	62	54	46.5	47	47	55	49	54	72
Strontium, dissolved	mg/l	--	--	--	11.3	10	8.05	9.17	8.74	7.79	5.33	6.65	5.78

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-2D 06-May-2011 [17] L-8	91-2D 28-May-2012 91-2D
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	482	502
Ammonia Nitrogen	mg/L	--	--	--	0.42	0.48
Chemical Oxygen Demand	mg/l	--	--	--	30	20
Chloride	mg/l	--	250	--	98	109
Conductivity (Field)	uS/cm	--	--	--	1228	1213
Hardness, Calcium Carbonate	mg/l	--	--	100	*514*	*528*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.70	0.88
pH (Field)	-	--	--	8.5	7.20	7.29
Temperature (Field)	deg c	--	15	--	9.8	11.1
Total Dissolved Solids	mg/l	--	500	--	780	819
Total Organic Carbon	mg/l	--	--	--	7.8	8.4
Metals						
Boron, dissolved	mg/l	5	--	--	0.4	0.32
Calcium, dissolved	mg/l	--	--	--	120	119
Iron, dissolved	mg/l	--	0.3	--	1.4	1.46
Magnesium, dissolved	mg/l	--	--	--	52	56
Potassium, dissolved	mg/l	--	--	--	6	6
Sodium, dissolved	mg/l	--	200 [10]	--	53	54
Strontium, dissolved	mg/l	--	--	--	6.95	8.68

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-2M 08-May-2002	91-2M 26-Apr-2003	91-2M 14-Apr-2004	91-2M 27-May-2005	91-2M 30-May-2006	91-2M 14-May-2007	91-2M 27-May-2008	91-2M 08-Jun-2009 J-4	91-2M 13-May-2010 B-9
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	236	404	389	469	622	477	515	586	473
Ammonia Nitrogen	mg/L	--	--	--	0.15	0.02	<0.03	0.65	2.29	0.64	1.05	1.64	0.50
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	<1	0.8	<1	2	<1	1	2	<1
Bromide	mg/l	--	--	--	--	0.43	<0.5	0.56	0.57	0.16	<0.25	0.67	0.41
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	10	22	30	15	22	35	20
Chloride	mg/l	--	250	--	7	85	102	107	150	107	118	140	108
Conductivity (Field)	uS/cm	--	--	--	551	1020	990	1000	1250	1300	1330	1384	1245
Cyanide	mg/l	0.2	--	--	--	<0.005	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Fluoride	mg/l	1.5	--	--	--	0.51	0.5	0.39	<0.1	0.45	0.45	0.36	0.65
Hardness, Calcium Carbonate	mg/l	--	--	100	*246*	*410*	*441.8*	*579*	*618*	*521*	*541*	*628*	*490*
Nitrate as N	mg/l	10	--	--	--	0.38	0.4	0.23	<0.1	<0.1	0.13	<0.10	<0.10
Nitrite as N	mg/l	1	--	--	--	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	0.15	*0.36*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.51	0.3	0.27	1.08	2.87	1.06	1.43	2.21	1.05
pH (Field)	-	--	--	8.5	7	7.2	7	7.1	7.1	7.2	7.1	6.96	7.24
Phosphorus	mg/l	--	--	--	--	--	<0.05	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	0.11	--	0.09	0.08	0.06	<0.01	<0.01	<0.01
Sulfate	mg/l	--	500 [12]	--	--	81	72.2	34	33	35	33	31	34
Temperature (Field)	deg c	--	15	--	8	9	6	8.5	13	10	11	10.6	10.7
Total Dissolved Solids	mg/l	--	500	--	358	728	606	800	1030	787	865	995	787
Total Organic Carbon	mg/l	--	--	--	3.6	2.4	3.4	7.1	13.2	7.9	10.3	13.3	8.7
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	--	<0.01	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic, dissolved	mg/l	0.025	--	--	--	<0.001	<0.002	<0.001	0.001	0.001	<0.001	0.002	0.001
Barium, dissolved	mg/l	1	--	--	--	0.11	0.15	0.26	0.3	0.24	0.37	0.25	0.22
Beryllium, dissolved	mg/l	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, dissolved	mg/l	5	--	--	0.05	0.09	0.145	0.32	0.33	0.42	0.27	0.34	0.34
Cadmium, dissolved	mg/l	0.005	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	--	67	90	97.3	151	155	131	136	146	112
Chromium, dissolved	mg/l	0.05	--	--	--	<0.001	<0.005	0.002	0.005	0.004	<0.005	0.006	0.003
Cobalt, dissolved	mg/l	--	--	--	--	0.0003	0.0001	0.0037	0.0053	0.0056	0.0071	0.0058	0.0029
Copper, dissolved	mg/l	--	1	--	--	0.003	0.0008	0.005	0.002	<0.001	0.003	0.002	0.001
Iron, dissolved	mg/l	--	0.3	--	<0.01	<0.01	<0.03	0.04	0.46	0.71	<0.03	0.83	1.29
Lead, dissolved	mg/l	0.01	--	--	--	0.001	0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	--	19	45	48.2	49	56	47	49	64	51
Manganese, dissolved	mg/l	--	0.05	--	--	<0.005	<0.005	0.54	0.77	0.8	0.71	0.67	0.39
Molybdenum, dissolved	mg/l	--	--	--	--	<0.005	0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	--	--	<0.005	0.006	0.01	0.017	0.01	0.013	0.013	0.009
Potassium, dissolved	mg/l	--	--	--	5	4	4.2	6	8	5	7	8	6
Silver, dissolved	mg/l	--	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [10]	--	6	89	86.1	56	88	53	64	92	48
Strontium, dissolved	mg/l	--	--	--	0.538	5.7	4.83	4.81	6.76	5.76	4.71	6.44	8.35
Thallium, dissolved	mg/l	--	--	--	--	<0.001	<0.00005	<0.0001	<0.0001	0.0006	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	--	--	<0.01	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	--	--	<0.001	0.0006	0.004	0.002	0.004	0.012	0.012	0.005
Zinc, dissolved	mg/l	--	5	--	--	<0.005	0.007	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	--	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.002	<0.002
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-2M 06-May-2011 [11] L-7	91-2M 28-May-2012 [13] 91-2M
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	291	581
Ammonia Nitrogen	mg/L	--	--	--	0.04	1.86
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	2
Bromide	mg/l	--	--	--	<0.25	0.50
Chemical Oxygen Demand	mg/l	--	--	--	15	29
Chloride	mg/l	--	250	--	10	120
Conductivity (Field)	uS/cm	--	--	--	575	3390
Cyanide	mg/l	0.2	--	--	<0.01	<0.002
Fluoride	mg/l	1.5	--	--	0.15	0.49
Hardness, Calcium Carbonate	mg/l	--	--	100	*278*	*541*
Nitrate as N	mg/l	10	--	--	0.38	<0.10
Nitrite as N	mg/l	1	--	--	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.11	2.41
pH (Field)	-	--	--	8.5	7.13	7.12
Phosphorus	mg/l	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	<0.01	<0.01
Sulfate	mg/l	--	500 [12]	--	11	29
Temperature (Field)	deg c	--	15	--	8.8	12.7
Total Dissolved Solids	mg/l	--	500	--	364	930
Total Organic Carbon	mg/l	--	--	--	2.7	11.8
Metals						
Aluminum, dissolved	mg/l	--	--	0.1	<0.01	<0.01
Arsenic, dissolved	mg/l	0.025	--	--	<0.001	<0.01
Barium, dissolved	mg/l	1	--	--	0.11	0.26
Beryllium, dissolved	mg/l	--	--	--	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	--	0.07	0.35
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	--	75	131
Chromium, dissolved	mg/l	0.05	--	--	<0.001	0.005
Cobalt, dissolved	mg/l	--	--	--	0.0004	0.0058
Copper, dissolved	mg/l	--	1	--	0.006	0.002
Iron, dissolved	mg/l	--	0.3	--	<0.03	1.05
Lead, dissolved	mg/l	0.01	--	--	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	--	22	52
Manganese, dissolved	mg/l	--	0.05	--	<0.01	0.58
Molybdenum, dissolved	mg/l	--	--	--	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.005	0.012
Potassium, dissolved	mg/l	--	--	--	5	7
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [10]	--	8	77
Strontium, dissolved	mg/l	--	--	--	0.748	5.36
Thallium, dissolved	mg/l	--	--	--	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	--	0.002	0.009
Zinc, dissolved	mg/l	--	5	--	0.02	<0.01
Zirconium, dissolved	mg/l	--	--	--	<0.002	<0.002
Phenols						
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	91-2S 08-May-2002	91-2S 26-Apr-2003	91-2S 14-Apr-2004	91-2S 27-May-2005	91-2S 30-May-2006	91-2S 14-May-2007	91-2S 27-May-2008	91-2S 08-Jun-2009 J-5	91-2S 13-May-2010 B-10
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	441	296	333	414	445	363	380	374	413
Ammonia Nitrogen	mg/L	--	--	--	0.02	0.14	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	9	9	11	7	<5	<5	<5	15	10
Chloride	mg/l	--	250	--	94	36	59.5	98	90	82	64	66	72
Conductivity (Field)	uS/cm	--	--	--	1210	980	1010	900	990	1020	1010	962	1116
Hardness, Calcium Carbonate	mg/l	--	--	100	*448*	*333*	*367.8*	*427*	*422*	*349*	*384*	*405*	*350*
Nitrogen, Organic	mg/l	--	--	0.15	*0.35*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.37	0.49	0.62	0.16	0.22	0.23	0.28	<0.10	<0.10
pH (Field)	-	--	--	8.5	7.2	7.1	7	7.6	7.6	7.5	7.4	7.36	7.47
Sulfate	mg/l	--	500 [12]	--	--	--	--	--	--	75	--	--	--
Temperature (Field)	deg c	--	15	--	10	11	5	9	13	11	12	10.9	9.4
Total Dissolved Solids	mg/l	--	500	--	787	473	460	761	793	663	657	663	715
Total Organic Carbon	mg/l	--	--	--	3.9	3.4	3.8	2.3	3.3	3.5	2.8	3.6	3.3
Metals													
Boron, dissolved	mg/l	5	--	--	0.15	0.1	0.15	0.14	0.11	0.12	0.08	0.08	0.11
Calcium, dissolved	mg/l	--	--	--	97	89	93.3	92	93	69	88	80	79
Iron, dissolved	mg/l	--	0.3	--	0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	50	27	32.7	48	46	43	40	42	37
Potassium, dissolved	mg/l	--	--	--	4	5	4.2	4	5	5	5	5	4
Sodium, dissolved	mg/l	--	200 [10]	--	80	20	24.5	89	101	85	76	91	79
Strontium, dissolved	mg/l	--	--	--	7.68	2.24	2.6	4.84	4.58	3.98	3.47	2.94	3.77

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-2S 06-May-2011 L-10	91-2S 28-May-2012 91-2S
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	350	406
Ammonia Nitrogen	mg/L	--	--	--	0.03	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	20	13
Chloride	mg/l	--	250	--	53	90
Conductivity (Field)	uS/cm	--	--	--	900	1190
Hardness, Calcium Carbonate	mg/l	--	--	100	*312*	*385*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.11	0.13
pH (Field)	-	--	--	8.5	7.54	7.47
Sulfate	mg/l	--	500 [12]	--	--	--
Temperature (Field)	deg c	--	15	--	8.6	12.2
Total Dissolved Solids	mg/l	--	500	--	571	734
Total Organic Carbon	mg/l	--	--	--	5.5	4.3
Metals						
Boron, dissolved	mg/l	5	--	--	0.10	0.11
Calcium, dissolved	mg/l	--	--	--	72	85
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	32	42
Potassium, dissolved	mg/l	--	--	--	4	4
Sodium, dissolved	mg/l	--	200 [10]	--	68	92
Strontium, dissolved	mg/l	--	--	--	2.32	4.29

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-3D 09-May-2002	91-3D 03-May-2003	91-3D 19-Apr-2004	91-3D 25-May-2005	91-3D 19-May-2006	91-3D 14-May-2007	91-3D 28-May-2008	91-3D 05-Jun-2009 B-5	91-3D 11-May-2010 A-3
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	318	328	337	462	363	315	420	385	402
Ammonia Nitrogen	mg/L	--	--	--	<0.02	0.14	<0.03	0.73	0.07	0.06	0.48	0.08	0.07
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	<1	<0.5	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.08	<0.05	<0.5	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	11	8	<5	<5	<5	8	30
Chloride	mg/l	--	250	--	32	36	39.9	99	44	15	75	40	36
Conductivity (Field)	uS/cm	--	--	--	763	790	660	600	600	535	1050	700	909
Cyanide	mg/l	0.2	--	--	<0.005	<0.005	<0.001	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.31	0.27	0.2	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*353*	*399*	*377.2*	*539*	*395*	*329*	*440*	*404*	*458*
Nitrate	mg/l	-- [13]	--	--	4.56	3.81	2.1	--	--	--	--	--	--
Nitrite	mg/l	-- [14]	--	--	<0.1	<0.1	<0.2	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.39*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.41	0.43	0.27	0.98	0.3	0.16	0.86	0.30	0.25
pH (Field)	-	--	--	8.5	6.9	7	7.2	7.3	7.2	7.3	7.4	7.4	7.17
Phosphorus	mg/l	--	--	--	<0.01	--	<0.05	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	0.07	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	28	33	31.5	--	--	--	--	--	--
Temperature (Field)	deg c	--	15	--	7	12	10.1	11	11	10	10	6.5	9.7
Total Dissolved Solids	mg/l	--	500	--	496	514	468	748	541	410	683	572	584
Total Organic Carbon	mg/l	--	--	--	2.6	3.3	1.4	5.1	3.1	4.5	5.5	4.4	3.5
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	<0.01	<0.005	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.025	--	--	0.001	<0.001	<0.002	--	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	0.16	0.19	0.163	--	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	<0.002	<0.001	<0.001	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.06	0.14	0.1	0.28	0.1	0.07	0.2	0.09	0.09
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	--	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	92	102	99.3	145	102	89	115	104	119
Chromium, dissolved	mg/l	0.05	--	--	<0.001	0.008	<0.005	--	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	0.0002	0.0005	0.0007	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	0.001	0.001	0.0009	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	0.02	0.02	0.04	0.67	0.07	<0.03	<0.03	1.06	1.43
Lead, dissolved	mg/l	0.01	--	--	<0.001	<0.001	0.0007	--	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	30	35	31.3	43	34	26	37	35	39
Manganese, dissolved	mg/l	--	0.05	--	0.02	0.052	0.051	--	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	<0.01	<0.005	<0.001	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.005	0.002	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	8	8	7.9	6	9	9	7	9	9
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	16	20	15.9	51	20	12	44	27	23
Strontium, dissolved	mg/l	--	--	--	2.5	2.83	1.72	4.62	1.93	1.05	2.56	1.92	1.93
Thallium, dissolved	mg/l	--	--	--	<0.001	<0.001	<0.00005	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.005	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	<0.001	0.003	0.0011	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.005	<0.005	--	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	0.002	0.007	<0.001	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-3D 10-May-2011 A-2	91-3D 24-May-2012 91-3D
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	372	493
Ammonia Nitrogen	mg/L	--	--	--	0.34	1.81
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	5	21
Chloride	mg/l	--	250	--	47	93
Conductivity (Field)	uS/cm	--	--	--	850	1235
Cyanide	mg/l	0.2	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*407*	*452*
Nitrate	mg/l	-- [13]	--	--	--	--
Nitrite	mg/l	-- [14]	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.45	2.23
pH (Field)	-	--	--	8.5	7.11	7.09
Phosphorus	mg/l	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	--	--
Temperature (Field)	deg c	--	15	--	11.7	11.7
Total Dissolved Solids	mg/l	--	500	--	541	793
Total Organic Carbon	mg/l	--	--	--	4.2	8.0
Metals						
Aluminum, dissolved	mg/l	--	--	0.1	--	--
Arsenic, dissolved	mg/l	0.025	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.13	0.31
Cadmium, dissolved	mg/l	0.005	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	107	115
Chromium, dissolved	mg/l	0.05	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	2.42
Lead, dissolved	mg/l	0.01	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	34	40
Manganese, dissolved	mg/l	--	0.05	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	5	5
Silver, dissolved	mg/l	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	31	65
Strontium, dissolved	mg/l	--	--	--	2.62	5.19
Thallium, dissolved	mg/l	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-3M 09-May-2002	91-3M 03-May-2003	91-3M 19-Apr-2004	91-3M 25-May-2005	91-3M 19-May-2006	91-3M 14-May-2007	91-3M 28-May-2008	91-3M 05-Jun-2009 B-6	91-3M 11-May-2010 A-12
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	480	485	577	519	533	505	533	535	487
Ammonia Nitrogen	mg/L	--	--	--	1.66	0.36	1.19	1.44	1.45	1.59	1.83	1.77	1.65
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	<1	1	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.33	0.3	1	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	21	21	28	15	19	20	<5	<5	30
Chloride	mg/l	--	250	--	134	125	134	131	127	117	116	108	100
Conductivity (Field)	uS/cm	--	--	--	1350	1330	1200	990	600	910	1390	700	1334
Cyanide	mg/l	0.2	--	--	<0.005	<0.005	<0.001	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.9	0.94	0.5	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*546*	*607*	*574.7*	*611*	*599*	*524*	*522*	*503*	*513*
Nitrate	mg/l	-- [13]	--	--	<0.1	<0.1	<0.2	--	--	--	--	--	--
Nitrite	mg/l	-- [14]	--	--	<0.1	<0.1	<0.2	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.51*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.17	2.07	1.75	2.04	1.93	2.35	2.48	2.05	2.13
pH (Field)	-	--	--	8.5	6.9	7.1	7	7.2	7.2	7.2	7.1	6.9	7.67
Phosphorus	mg/l	--	--	--	<0.01	--	<0.05	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	0.13	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	45	68	45.4	--	--	--	--	--	--
Temperature (Field)	deg c	--	15	--	8	11	9.9	10	11	10	11	7.0	14.7
Total Dissolved Solids	mg/l	--	500	--	878	865	808	878	904	825	904	884	800
Total Organic Carbon	mg/l	--	--	--	7.5	8.2	8.7	9.2	9.2	9.3	8.6	9.5	8.2
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	<0.01	<0.005	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.025	--	--	<0.001	0.004	0.003	--	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	0.28	0.29	0.305	--	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	<0.002	<0.001	<0.001	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.24	0.35	0.313	0.38	0.32	0.35	0.29	0.26	0.30
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	--	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	143	149	148	164	151	134	135	129	133
Chromium, dissolved	mg/l	0.05	--	--	<0.001	0.013	<0.005	--	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	0.0005	0.0033	0.0029	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	0.246	<0.001	<0.0005	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	2.97	3.37	3.69	2.65	3.01	2.38	5.53	4.67	2.22
Lead, dissolved	mg/l	0.01	--	--	0.004	<0.001	0.0008	--	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	46	57	49.8	49	54	46	45	44	44
Manganese, dissolved	mg/l	--	0.05	--	0.82	0.897	0.883	--	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	<0.01	<0.005	0.001	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.005	0.007	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	5	5	4.7	5	6	5	5	5	5
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	61	75	64	71	81	68	105	83	70
Strontium, dissolved	mg/l	--	--	--	8.95	8.48	5.5	5.79	5.72	6.23	4.33	5.07	5.07
Thallium, dissolved	mg/l	--	--	--	<0.001	<0.001	<0.00005	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.005	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	<0.001	0.004	0.0016	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.005	<0.005	--	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	0.002	0.007	<0.001	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-3M 10-May-2011 A-3	91-3M 24-May-2012 91-3M
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	500	400
Ammonia Nitrogen	mg/L	--	--	--	1.57	0.28
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	25	7
Chloride	mg/l	--	250	--	102	60
Conductivity (Field)	uS/cm	--	--	--	1253	936
Cyanide	mg/l	0.2	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*533*	*393*
Nitrate	mg/l	-- [13]	--	--	--	--
Nitrite	mg/l	-- [14]	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.29	0.24
pH (Field)	-	--	--	8.5	7.07	7.16
Phosphorus	mg/l	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	--	--
Temperature (Field)	deg c	--	15	--	12.8	11.8
Total Dissolved Solids	mg/l	--	500	--	793	608
Total Organic Carbon	mg/l	--	--	--	8.5	4.5
Metals						
Aluminum, dissolved	mg/l	--	--	0.1	--	--
Arsenic, dissolved	mg/l	0.025	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.28	0.16
Cadmium, dissolved	mg/l	0.005	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	136	103
Chromium, dissolved	mg/l	0.05	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--
Iron, dissolved	mg/l	--	0.3	--	2.40	0.84
Lead, dissolved	mg/l	0.01	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	47	33
Manganese, dissolved	mg/l	--	0.05	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	5	7
Silver, dissolved	mg/l	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	71	32
Strontium, dissolved	mg/l	--	--	--	5.60	2.62
Thallium, dissolved	mg/l	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-3S 09-May-2002	91-3S 04-May-2003	91-3S 19-Apr-2004	91-3S 25-May-2005	91-3S 19-May-2006	91-3S 14-May-2007	91-3S 28-May-2008	91-3S 05-Jun-2009 B-7	91-3S 11-May-2010 A-14
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	361	431	392	496	411	382	380	435	354
Ammonia Nitrogen	mg/L	--	--	--	0.19	0.03	0.03	0.95	0.09	0.06	0.06	0.59	0.07
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	<1	0.8	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.08	<0.05	<0.5	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	5	5	11	7	10	<5	17	18	13
Chloride	mg/l	--	250	--	20	34	29.3	110	46	23	34	72	36
Conductivity (Field)	uS/cm	--	--	--	879	1010	760	800	700	690	872	800	836
Cyanide	mg/l	0.2	--	--	<0.005	<0.005	<0.001	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.59	0.52	0.2	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*400*	*503*	*436.2*	*568*	*469*	*391*	*413*	*462*	*413*
Nitrate	mg/l	-- [13]	--	--	6.23	3.75	2.6	--	--	--	--	--	--
Nitrite	mg/l	-- [14]	--	--	0.11	<0.1	<0.2	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.39*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.58	0.39	0.46	1.37	0.55	0.33	0.65	0.93	0.37
pH (Field)	-	--	--	8.5	6.8	7.2	7.2	7.3	7.3	7.2	7.2	7.3	7.18
Phosphorus	mg/l	--	--	--	<0.01	--	<0.05	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	0.08	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	55	83	53.8	--	--	--	--	--	--
Temperature (Field)	deg c	--	15	--	9	11	9.8	10	10	8	10	7.5	10.2
Total Dissolved Solids	mg/l	--	500	--	571	657	515	813	619	528	567	696	510
Total Organic Carbon	mg/l	--	--	--	2.3	3.4	4.6	6.5	3	2.7	3.6	5.7	3.0
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	<0.01	<0.005	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.025	--	--	<0.001	<0.001	<0.002	--	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	0.12	0.14	0.128	--	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	<0.002	<0.001	<0.001	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.06	0.14	0.086	0.29	0.12	0.1	0.09	0.18	0.09
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	--	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	101	129	109	150	117	102	106	119	111
Chromium, dissolved	mg/l	0.05	--	--	<0.001	0.011	<0.005	--	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	<0.0002	0.0016	0.0021	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	0.034	0.001	0.0007	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	0.05	0.23	1.05	0.13	3.95	0.12	0.51	<0.03	0.18
Lead, dissolved	mg/l	0.01	--	--	<0.001	<0.001	<0.0005	--	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	36	44	39.7	47	43	33	36	40	33
Manganese, dissolved	mg/l	--	0.05	--	0.11	0.067	0.085	--	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	<0.01	<0.005	0.001	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.005	0.003	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	11	9	11.1	8	11	11	10	7	8
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	23	22	20.5	63	28	19	27	46	20
Strontium, dissolved	mg/l	--	--	--	2.77	2.71	1.51	3.88	2.07	1.49	1.51	3.27	1.86
Thallium, dissolved	mg/l	--	--	--	<0.001	<0.001	<0.00005	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.005	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	<0.001	0.004	0.0012	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.005	<0.005	--	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	0.001	0.007	<0.001	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-3S 10-May-2011 A-18	91-3S 24-May-2012 [15] 91-3S
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	399	391
Ammonia Nitrogen	mg/L	--	--	--	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	10	<5
Chloride	mg/l	--	250	--	32	27
Conductivity (Field)	uS/cm	--	--	--	857	793
Cyanide	mg/l	0.2	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*444*	*409*
Nitrate	mg/l	-- [13]	--	--	--	--
Nitrite	mg/l	-- [14]	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.15	0.30
pH (Field)	-	--	--	8.5	7.09	7.23
Phosphorus	mg/l	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	--	--
Temperature (Field)	deg c	--	15	--	11.1	12.7
Total Dissolved Solids	mg/l	--	500	--	558	534
Total Organic Carbon	mg/l	--	--	--	3.0	2.7
Metals						
Aluminum, dissolved	mg/l	--	--	0.1	--	--
Arsenic, dissolved	mg/l	0.025	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.08	0.08
Cadmium, dissolved	mg/l	0.005	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	115	106
Chromium, dissolved	mg/l	0.05	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03
Lead, dissolved	mg/l	0.01	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	38	35
Manganese, dissolved	mg/l	--	0.05	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	9	10
Silver, dissolved	mg/l	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	20	17
Strontium, dissolved	mg/l	--	--	--	1.72	1.41
Thallium, dissolved	mg/l	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-5D 07-May-2002	91-5D 03-May-2003	91-5D 19-Apr-2004	91-5D 22-May-2005	91-5D 19-May-2006	91-5D 14-May-2007	91-5D 28-May-2008	91-5D 05-Jun-2009 B-3	91-5D 11-May-2010 A-10
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	437	414	417	409	431	433	417	412	397
Ammonia Nitrogen	mg/L	--	--	--	0.13	0.09	<0.03	0.03	0.07	0.08	0.04	0.03	0.07
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	1	<1	<0.5	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.31	0.3	<0.5	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	16	18	16	20	9	7	13	13	25
Chloride	mg/l	--	250	--	26	28	28.1	26	22	22	22	22	26
Conductivity (Field)	uS/cm	--	--	--	915	895	780	710	650	600	889	650	851
Cyanide	mg/l	0.2	--	--	<0.005	<0.005	<0.001	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.19	0.2	0.2	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*180*	*181*	*191*	*163*	*149*	*127*	*143*	*152*	*114*
Nitrate	mg/l	-- [13]	--	--	<0.1	<0.1	<0.2	--	--	--	--	--	--
Nitrite	mg/l	-- [14]	--	--	<0.1	<0.1	<0.2	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.25*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.38	0.31	0.27	0.22	0.32	0.24	0.22	<0.10	0.20
pH (Field)	-	--	--	8.5	6.7	7.5	7.4	7.3	7.6	7.4	7.2	7.7	7.33
Phosphorus	mg/l	--	--	--	<0.01	--	<0.05	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	0.07	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	34	43	43.8	--	--	--	--	--	--
Temperature (Field)	deg c	--	15	--	9	12	9.7	10	11	10	12	7.0	10
Total Dissolved Solids	mg/l	--	500	--	595	582	536	542	573	564	578	571	538
Total Organic Carbon	mg/l	--	--	--	6.8	5.6	5.1	4.3	6.9	5.6	5.1	5.8	6.0
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	<0.01	<0.005	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.025	--	--	<0.001	<0.001	<0.002	--	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	0.02	0.02	0.021	--	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	<0.002	<0.001	<0.001	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	1.02	1.2	1.16	1.13	1.6	1.22	1.04	0.88	1.4
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	--	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	49	46	51.9	44	40	36	39	41	31
Chromium, dissolved	mg/l	0.05	--	--	0.002	0.009	<0.005	--	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	0.0002	0.0002	<0.0001	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	<0.001	<0.001	<0.0005	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	0.53	0.37	<0.03	0.23	0.12	0.21	0.32	<0.03	0.17
Lead, dissolved	mg/l	0.01	--	--	<0.001	<0.001	0.0007	--	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	14	16	14.9	13	12	9	11	12	9
Manganese, dissolved	mg/l	--	0.05	--	0.15	0.113	0.024	--	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	<0.01	0.019	0.008	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.005	0.002	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	2	2	2.1	2	2	2	2	2	2
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	150	167	123	142	143	153	154	153	160
Strontium, dissolved	mg/l	--	--	--	2.28	1.97	1.34	1.33	1.26	1.09	1.1	1.13	0.880
Thallium, dissolved	mg/l	--	--	--	<0.001	<0.001	<0.00005	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.005	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	<0.001	0.003	0.0015	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.005	<0.005	--	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	<0.001	0.007	<0.001	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-5D 10-May-2011 A-14	91-5D 24-May-2012 91-5D
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	433	335
Ammonia Nitrogen	mg/L	--	--	--	0.12	0.48
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	15	5
Chloride	mg/l	--	250	--	22	45
Conductivity (Field)	uS/cm	--	--	--	874	722
Cyanide	mg/l	0.2	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*149*	*337*
Nitrate	mg/l	-- [13]	--	--	--	--
Nitrite	mg/l	-- [14]	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.46	0.74
pH (Field)	-	--	--	8.5	7.45	7.03
Phosphorus	mg/l	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	--	--
Temperature (Field)	deg c	--	15	--	9.8	10.5
Total Dissolved Solids	mg/l	--	500	--	557	504
Total Organic Carbon	mg/l	--	--	--	5.8	3.2
Metals						
Aluminum, dissolved	mg/l	--	--	0.1	--	--
Arsenic, dissolved	mg/l	0.025	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	1.5	0.21
Cadmium, dissolved	mg/l	0.005	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	40	97
Chromium, dissolved	mg/l	0.05	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--
Iron, dissolved	mg/l	--	0.3	--	0.17	<0.03
Lead, dissolved	mg/l	0.01	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	12	23
Manganese, dissolved	mg/l	--	0.05	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	2	2
Silver, dissolved	mg/l	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	164	24
Strontium, dissolved	mg/l	--	--	--	0.993	0.573
Thallium, dissolved	mg/l	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-5S 07-May-2002	91-5S 03-May-2003	91-5S 19-Apr-2004	91-5S 22-May-2005	91-5S 19-May-2006	91-5S 14-May-2007	91-5S 28-May-2008	91-5S 05-Jun-2009 B-4	91-5S 11-May-2010 A-1
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	334	380	353	348	327	337	321	328	392
Ammonia Nitrogen	mg/L	--	--	--	0.98	0.93	0.62	0.52	0.48	0.49	0.59	0.50	0.10
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	3	<1	<0.5	--	--	--	--	--	--
Bromide	mg/l	--	--	--	0.08	<0.05	<0.5	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	12	10	19	13	<5	<5	8	10	25
Chloride	mg/l	--	250	--	16	19	23.3	16	68	13	10	10	26
Conductivity (Field)	uS/cm	--	--	--	713	809	600	505	650	620	660	500	886
Cyanide	mg/l	0.2	--	--	<0.005	<0.005	<0.001	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	0.59	0.5	<0.1	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*304*	*413*	*344.7*	*336*	*409*	*310*	*297*	*294*	*135*
Nitrate	mg/l	-- [13]	--	--	1.33	0.41	0.4	--	--	--	--	--	--
Nitrite	mg/l	-- [14]	--	--	<0.1	<0.1	<0.2	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.43*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.41	1.21	1.52	0.54	0.44	0.45	0.59	0.68	0.30
pH (Field)	-	--	--	8.5	6.9	7	7.1	7.2	7	7.1	7.2	7.3	7.78
Phosphorus	mg/l	--	--	--	<0.01	--	<0.05	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	0.09	--	--	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	33	53	37.9	--	--	--	--	--	--
Temperature (Field)	deg c	--	15	--	10	12	8.6	9	10	11	13	5.5	8.4
Total Dissolved Solids	mg/l	--	500	--	463	526	440	452	556	427	429	430	536
Total Organic Carbon	mg/l	--	--	--	4.2	4.1	6.6	2.6	3	3.5	3.6	4.7	5.6
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	0.05	<0.01	<0.005	--	--	--	--	--	--
Arsenic, dissolved	mg/l	0.025	--	--	<0.001	<0.001	<0.002	--	--	--	--	--	--
Barium, dissolved	mg/l	1	--	--	0.09	0.09	0.089	--	--	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	<0.002	<0.001	<0.001	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.15	0.25	0.189	0.21	0.34	0.15	0.12	0.12	1.4
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	--	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	84	116	98	95	116	88	86	83	36
Chromium, dissolved	mg/l	0.05	--	--	0.001	0.008	<0.005	--	--	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	0.0005	0.0005	0.0002	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	0.002	<0.001	0.001	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	0.04	0.14	0.04	0.12	0.09	0.14	0.08	0.19	0.08
Lead, dissolved	mg/l	0.01	--	--	0.001	<0.001	0.0007	--	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	23	30	24.3	24	29	22	20	21	11
Manganese, dissolved	mg/l	--	0.05	--	2.18	1.91	1.58	--	--	--	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	<0.01	<0.005	0.001	--	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.005	0.002	--	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	3	3	3	3	3	3	3	3	2
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	31	26	25	26	22	23	24	23	149
Strontium, dissolved	mg/l	--	--	--	0.447	0.413	0.471	0.542	0.651	0.513	0.412	0.409	0.735
Thallium, dissolved	mg/l	--	--	--	<0.001	<0.001	<0.00005	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.005	--	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	<0.001	0.003	0.0014	--	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.005	0.005	--	--	--	--	--	--
Zirconium, dissolved	mg/l	--	--	--	<0.001	0.007	<0.001	--	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-5S 10-May-2011 A-12	91-5S 24-May-2012 91-5S
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	364	376
Ammonia Nitrogen	mg/L	--	--	--	0.55	0.07
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	35	9
Chloride	mg/l	--	250	--	12	27
Conductivity (Field)	uS/cm	--	--	--	709	790
Cyanide	mg/l	0.2	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*295*	91
Nitrate	mg/l	-- [13]	--	--	--	--
Nitrite	mg/l	-- [14]	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.57	0.34
pH (Field)	-	--	--	8.5	7.06	7.65
Phosphorus	mg/l	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	--	--
Temperature (Field)	deg c	--	15	--	8.7	12.6
Total Dissolved Solids	mg/l	--	500	--	455	521
Total Organic Carbon	mg/l	--	--	--	3.6	5.4
Metals						
Aluminum, dissolved	mg/l	--	--	0.1	--	--
Arsenic, dissolved	mg/l	0.025	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.32	1.4
Cadmium, dissolved	mg/l	0.005	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	85	25
Chromium, dissolved	mg/l	0.05	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	0.15
Lead, dissolved	mg/l	0.01	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	20	7
Manganese, dissolved	mg/l	--	0.05	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	2	2
Silver, dissolved	mg/l	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	48	149
Strontium, dissolved	mg/l	--	--	--	0.665	0.743
Thallium, dissolved	mg/l	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	91-6D 09-May-2002	91-6D 26-Apr-2003	91-6D 15-Apr-2004	91-6D 25-May-2005	91-6D 18-May-2006	91-6D 11-May-2007	91-6D 28-May-2008	91-6D 05-Jun-2009 C-13	91-6D 11-May-2010 A-11
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	264	275	260	249	268	245	263	262	270
Ammonia Nitrogen	mg/L	--	--	--	<0.02	<0.02	<0.03	<0.02	0.1	<0.02	<0.02	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	10	<5	<5	<5	<5	5	<5
Chloride	mg/l	--	250	--	16	15	9.7	8	10	11	16	8	11
Conductivity (Field)	uS/cm	--	--	--	607	420	405	510	500	440	623	580	625
Hardness, Calcium Carbonate	mg/l	--	--	100	*280*	*284*	*300.4*	*303*	*283*	*301*	*316*	*288*	*295*
Nitrogen, Organic	mg/l	--	--	0.15	0.13	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.15	0.09	0.07	<0.05	0.06	0.18	<0.1	<0.10	<0.10
pH (Field)	-	--	--	8.5	7	7.1	7	7.2	7.9	7.7	7.8	7.56	7.64
Temperature (Field)	deg c	--	15	--	8	10	5	10	11	11	14	16.1	9.2
Total Dissolved Solids	mg/l	--	500	--	395	404	342	358	387	368	405	380	393
Total Organic Carbon	mg/l	--	--	--	0.6	0.9	0.8	0.8	0.7	1.1	1.1	2.0	1.4
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.05	0.06	0.06	0.06	0.05	0.05	0.05
Calcium, dissolved	mg/l	--	--	--	66	66	72	75	67	71	77	69	72
Iron, dissolved	mg/l	--	0.3	--	0.08	0.21	0.07	0.03	<0.03	0.05	<0.03	0.08	0.09
Magnesium, dissolved	mg/l	--	--	--	28	29	29.2	28	28	30	30	28	28
Potassium, dissolved	mg/l	--	--	--	2	2	1.3	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	7	8	7.2	11	8	8	13	8	8
Strontium, dissolved	mg/l	--	--	--	3.57	3.48	2.66	2.61	2.84	2.58	2.66	2.74	2.83

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-6D 10-May-2011 A-1	91-6D 24-May-2012 91-6D
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	277	275
Ammonia Nitrogen	mg/L	--	--	--	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	5	6
Chloride	mg/l	--	250	--	9	10
Conductivity (Field)	uS/cm	--	--	--	627	616
Hardness, Calcium Carbonate	mg/l	--	--	100	*354*	*293*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	<0.10
pH (Field)	-	--	--	8.5	7.71	7.57
Temperature (Field)	deg c	--	15	--	7.7	10.4
Total Dissolved Solids	mg/l	--	500	--	395	395
Total Organic Carbon	mg/l	--	--	--	1.7	1.2
Metals						
Boron, dissolved	mg/l	5	--	--	0.04	0.05
Calcium, dissolved	mg/l	--	--	--	84	71
Iron, dissolved	mg/l	--	0.3	--	<0.03	0.07
Magnesium, dissolved	mg/l	--	--	--	35	28
Potassium, dissolved	mg/l	--	--	--	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	9	9
Strontium, dissolved	mg/l	--	--	--	2.90	2.77

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-6S 09-May-2002	91-6S 26-Apr-2003	91-6S 15-Apr-2004	91-6S 25-May-2005	91-6S 18-May-2006	91-6S 11-May-2007	91-6S 25-May-2008	91-6S 05-Jun-2009 C-17	91-6S 11-May-2010 A-15
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	357	349	365	376	374	353	349	355	353
Ammonia Nitrogen	mg/L	--	--	--	0.03	0.02	<0.03	<0.02	<0.02	0.03	<0.02	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	<1	<0.5	<1	<1	<1	<1	3	<1
Bromide	mg/l	--	--	--	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	<5	<5	<5	<5	5	5
Chloride	mg/l	--	250	--	6	5	5.1	6	5	5	6	6	8
Conductivity (Field)	uS/cm	--	--	--	728	510	580	600	600	710	749	685	764
Cyanide	mg/l	0.2	--	--	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	--	0.62	0.14	0.1	0.17	0.13	0.11	0.1	<0.10	0.12
Hardness, Calcium Carbonate	mg/l	--	--	100	*386*	*368*	*395.7*	*442*	*402*	*419*	*470*	*403*	*460*
Nitrate as N	mg/l	10	--	--	<0.1	<0.1	<0.2	0.51	0.15	<0.1	<0.1	<0.10	0.15
Nitrite as N	mg/l	1	--	--	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.10	0.18
Nitrogen, Organic	mg/l	--	--	0.15	*0.2*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.23	0.12	0.11	0.11	0.06	0.29	0.12	<0.10	<0.10
pH (Field)	-	--	--	8.5	6.9	7	6.9	7	7.7	7.5	7.4	7.34	7.53
Phosphorus	mg/l	--	--	--	<0.01	--	<0.05	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	0.12	--	0.13	0.09	0.06	<0.01	0.01	0.01
Sulfate	mg/l	--	500 [12]	--	60	65	66.1	47	62	52	69	65	65
Temperature (Field)	deg c	--	15	--	9	10	4	10	9	11	13	8.3	7.6
Total Dissolved Solids	mg/l	--	500	--	473	479	440	478	488	475	487	483	480
Total Organic Carbon	mg/l	--	--	--	0.5	0.9	1.6	0.7	0.9	1.1	1.4	2.0	1.3
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	<0.01	0.007	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
Arsenic, dissolved	mg/l	0.025	--	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium, dissolved	mg/l	1	--	--	0.11	0.1	0.108	0.1	0.09	0.09	0.1	0.09	0.10
Beryllium, dissolved	mg/l	--	--	--	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.007	0.01	<0.01	0.02	<0.01	<0.01	<0.01
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	--	87	75	83.9	106	90	97	104	87	100
Chromium, dissolved	mg/l	0.05	--	--	<0.001	<0.001	<0.005	0.001	0.001	0.002	<0.001	0.002	0.002
Cobalt, dissolved	mg/l	--	--	--	0.0002	<0.0002	<0.0001	0.0008	0.0005	0.0007	0.0003	0.0010	0.0008
Copper, dissolved	mg/l	--	1	--	<0.001	<0.001	0.0007	0.039	0.003	0.001	0.004	<0.001	0.002
Iron, dissolved	mg/l	--	0.3	--	0.97	0.2	0.1	0.02	<0.03	0.1	0.08	0.18	<0.03
Lead, dissolved	mg/l	0.01	--	--	<0.001	0.001	0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	--	41	44	45.2	43	43	43	51	45	51
Manganese, dissolved	mg/l	--	0.05	--	0.07	0.034	0.02	0.06	0.03	0.01	0.03	0.07	0.05
Molybdenum, dissolved	mg/l	--	--	--	<0.01	<0.005	0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.005	0.004	0.017	0.009	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	--	2	2	1.7	2	2	2	2	2	2
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [10]	--	4	6	4.8	6	6	8	4	5	6
Strontium, dissolved	mg/l	--	--	--	0.265	0.289	0.264	0.24	0.225	0.2	0.261	0.259	0.283
Thallium, dissolved	mg/l	--	--	--	<0.001	<0.001	<0.00005	<0.0001	<0.0001	0.0003	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.005	0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	--	<0.001	<0.001	0.0017	0.002	0.002	0.002	0.002	0.005	0.004
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.005	<0.005	0.06	0.02	<0.01	0.01	<0.01	0.01
Zirconium, dissolved	mg/l	--	--	--	0.002	<0.001	<0.001	<0.01	<0.001	<0.001	<0.005	<0.002	<0.002
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-6S 10-May-2011 [11] A-17	91-6S 24-May-2012 [16] 91-6M
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	376	359
Ammonia Nitrogen	mg/L	--	--	--	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	2	3
Bromide	mg/l	--	--	--	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5
Chloride	mg/l	--	250	--	8	6
Conductivity (Field)	uS/cm	--	--	--	757	747
Cyanide	mg/l	0.2	--	--	<0.01	<0.002
Fluoride	mg/l	1.5	--	--	<0.10	0.10
Hardness, Calcium Carbonate	mg/l	--	--	100	*469*	*425*
Nitrate as N	mg/l	10	--	--	<0.10	<0.10
Nitrite as N	mg/l	1	--	--	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	<0.10
pH (Field)	-	--	--	8.5	7.43	7.43
Phosphorus	mg/l	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	<0.01	<0.01
Sulfate	mg/l	--	500 [12]	--	60	62
Temperature (Field)	deg c	--	15	--	7.8	9.7
Total Dissolved Solids	mg/l	--	500	--	489	482
Total Organic Carbon	mg/l	--	--	--	1.7	1.1
Metals						
Aluminum, dissolved	mg/l	--	--	0.1	<0.01	<0.01
Arsenic, dissolved	mg/l	0.025	--	--	<0.001	<0.001
Barium, dissolved	mg/l	1	--	--	0.09	0.10
Beryllium, dissolved	mg/l	--	--	--	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	--	0.01	<0.01
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	--	102	91
Chromium, dissolved	mg/l	0.05	--	--	0.002	0.003
Cobalt, dissolved	mg/l	--	--	--	0.0004	0.0007
Copper, dissolved	mg/l	--	1	--	0.004	<0.001
Iron, dissolved	mg/l	--	0.3	--	<0.03	0.13
Lead, dissolved	mg/l	0.01	--	--	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	--	52	48
Manganese, dissolved	mg/l	--	0.05	--	0.01	0.06
Molybdenum, dissolved	mg/l	--	--	--	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	--	2	2
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [10]	--	6	6
Strontium, dissolved	mg/l	--	--	--	0.247	0.274
Thallium, dissolved	mg/l	--	--	--	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	--	0.003	0.005
Zinc, dissolved	mg/l	--	5	--	0.02	<0.01
Zirconium, dissolved	mg/l	--	--	--	<0.002	<0.002
Phenols						
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	91-7D 09-May-2002	91-7D 26-Apr-2003	91-7D 18-Apr-2004	91-7D 23-May-2005	91-7D 18-May-2006	91-7D 11-May-2007	91-7D 28-May-2008	91-7D 05-Jun-2009 C-16	91-7D 11-May-2010 A-5
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	302	324	313	328	327	324	301	312	318
Ammonia Nitrogen	mg/L	--	--	--	<0.02	<0.02	<0.03	<0.02	0.12	0.07	<0.02	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	6	<5	<5	10	<5	13	5
Chloride	mg/l	--	250	--	248	222	225	222	249	206	244	245	251
Conductivity (Field)	uS/cm	--	--	--	1430	1110	1100	1100	1200	610	1420	1358	1531
Hardness, Calcium Carbonate	mg/l	--	--	100	*452*	*448*	*468.5*	*546*	*452*	*557*	*448*	*435*	*440*
Nitrogen, Organic	mg/l	--	--	0.15	*0.27*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.29	0.21	0.18	0.11	0.16	0.33	0.1	0.15	<0.10
pH (Field)	-	--	--	8.5	6.9	6.8	7	6.8	7.6	7.4	7.3	7.09	7.3
Temperature (Field)	deg c	--	15	--	8	9	9.1	9	10	10	13	10.7	9.6
Total Dissolved Solids	mg/l	--	500	--	930	890	754	865	949	871	923	949	949
Total Organic Carbon	mg/l	--	--	--	1.8	2.3	1.9	1.9	<0.5	2.6	2.4	2.8	2.2
Metals													
Boron, dissolved	mg/l	5	--	--	0.06	0.1	0.1	0.11	0.07	0.1	0.07	0.06	0.07
Calcium, dissolved	mg/l	--	--	--	125	115	121	151	120	154	120	115	117
Iron, dissolved	mg/l	--	0.3	--	0.05	0.04	0.01	0.03	<0.03	0.12	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	34	39	40.1	41	37	42	36	36	36
Potassium, dissolved	mg/l	--	--	--	3	3	2.9	3	3	3	3	3	3
Sodium, dissolved	mg/l	--	200 [10]	--	100	84	104	88	98	58	111	125	131
Strontium, dissolved	mg/l	--	--	--	3.12	3.23	2	2.51	1.76	2.38	2	1.50	1.68

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-7D 10-May-2011 A-8	91-7D 24-May-2012 91-7D
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	348	316
Ammonia Nitrogen	mg/L	--	--	--	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	5	<5
Chloride	mg/l	--	250	--	213	246
Conductivity (Field)	uS/cm	--	--	--	1350	1426
Hardness, Calcium Carbonate	mg/l	--	--	100	*459*	*431*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.11	<0.10
pH (Field)	-	--	--	8.5	7.13	7.14
Temperature (Field)	deg c	--	15	--	9.3	11.0
Total Dissolved Solids	mg/l	--	500	--	864	923
Total Organic Carbon	mg/l	--	--	--	2.5	2.2
Metals						
Boron, dissolved	mg/l	5	--	--	0.06	0.06
Calcium, dissolved	mg/l	--	--	--	121	115
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	38	35
Potassium, dissolved	mg/l	--	--	--	2	3
Sodium, dissolved	mg/l	--	200 [10]	--	122	138
Strontium, dissolved	mg/l	--	--	--	1.63	1.44

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	91-7S 09-May-2002	91-7S 26-Apr-2003	91-7S 18-Apr-2004	91-7S 23-May-2005	91-7S 18-May-2006	91-7S 11-May-2007	91-7S 28-May-2008	91-7S 05-Jun-2009 C-15	91-7S 11-May-2010 A-13
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	360	343	344	336	341	329	316	328	331
Ammonia Nitrogen	mg/L	--	--	--	0.14	0.04	<0.03	0.03	0.04	0.04	0.03	0.03	0.02
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	8	<5	<5	17	7	13	<5
Chloride	mg/l	--	250	--	141	159	154	203	215	210	223	199	220
Conductivity (Field)	uS/cm	--	--	--	1150	1100	1050	1010	1100	1005	1390	1222	1464
Hardness, Calcium Carbonate	mg/l	--	--	100	*484*	*447*	*502.5*	*558*	*480*	*536*	*504*	*455*	*513*
Nitrogen, Organic	mg/l	--	--	0.15	*0.19*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.33	0.28	0.19	0.23	0.3	0.54	0.39	0.33	<0.10
pH (Field)	-	--	--	8.5	6.8	6.9	7	6.8	7.6	7.4	7.2	7.14	7.23
Temperature (Field)	deg c	--	15	--	9	9	9.4	8	12	10	12	9.7	9.5
Total Dissolved Solids	mg/l	--	500	--	748	787	686	839	890	871	904	865	910
Total Organic Carbon	mg/l	--	--	--	3.2	2.8	2.7	3.1	4.1	8.3	7.8	4.8	3.6
Metals													
Boron, dissolved	mg/l	5	--	--	0.12	0.11	0.11	0.13	0.11	0.1	0.1	0.08	0.10
Calcium, dissolved	mg/l	--	--	--	131	118	132	156	128	147	136	121	138
Iron, dissolved	mg/l	--	0.3	--	0.1	0.31	0.65	0.66	1	1.08	0.97	0.57	0.62
Magnesium, dissolved	mg/l	--	--	--	38	37	41.3	41	39	41	40	37	41
Potassium, dissolved	mg/l	--	--	--	3	3	2.4	3	3	3	3	3	3
Sodium, dissolved	mg/l	--	200 [10]	--	44	55	57.8	64	67	76	82	75	94
Strontium, dissolved	mg/l	--	--	--	5.02	3.73	2.77	2.54	2.67	2.28	2.59	2.64	2.63

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-7S 10-May-2011 A-9	91-7S 24-May-2012 91-7S
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	383	345
Ammonia Nitrogen	mg/L	--	--	--	0.04	0.02
Chemical Oxygen Demand	mg/l	--	--	--	25	12
Chloride	mg/l	--	250	--	115	162
Conductivity (Field)	uS/cm	--	--	--	1076	1228
Hardness, Calcium Carbonate	mg/l	--	--	100	*479*	*445*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.12	0.20
pH (Field)	-	--	--	8.5	7.20	7.21
Temperature (Field)	deg c	--	15	--	9.2	11.7
Total Dissolved Solids	mg/l	--	500	--	696	793
Total Organic Carbon	mg/l	--	--	--	4.2	3.8
Metals						
Boron, dissolved	mg/l	5	--	--	0.12	0.12
Calcium, dissolved	mg/l	--	--	--	126	117
Iron, dissolved	mg/l	--	0.3	--	0.43	0.36
Magnesium, dissolved	mg/l	--	--	--	40	37
Potassium, dissolved	mg/l	--	--	--	3	3
Sodium, dissolved	mg/l	--	200 [10]	--	58	74
Strontium, dissolved	mg/l	--	--	--	3.05	2.72

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-10D 10-May-2002	91-10D 08-May-2003	91-10D 15-Apr-2004	91-10D 22-May-2005	91-10D 25-May-2006	91-10D 10-May-2007	91-10D 25-May-2008	91-10D 05-Jun-2009 B-9	91-10D 13-May-2010 B-3
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	182	201	190	175	201	197	161	181	201
Ammonia Nitrogen	mg/L	--	--	--	<0.02	0.02	<0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	<1	<0.5	<1	<1	<1	1	1	<1
Bromide	mg/l	--	--	--	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	12	8	11	7	5	16	<5	8	<5
Chloride	mg/l	--	250	--	10	9	7.6	4	5	5	4	5	6
Conductivity (Field)	uS/cm	--	--	--	459	477	990	880	320	890	344	380	443
Cyanide	mg/l	0.2	--	--	<0.005	<0.005	<0.001	<0.005	0.005	<0.005	<0.005	<0.005	<0.01
Fluoride	mg/l	1.5	--	--	0.15	0.13	0.1	0.19	<0.1	0.1	0.1	<0.10	<0.10
Hardness, Calcium Carbonate	mg/l	--	--	100	*214*	*234*	*215.1*	*191*	*208*	*218*	*189*	*186*	*202*
Nitrate as N	mg/l	10	--	--	0.4	0.92	0.8	0.23	0.18	0.39	0.22	0.16	<0.10
Nitrite as N	mg/l	1	--	--	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	0.15	*0.34*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.36	0.27	0.14	0.14	<0.05	<0.05	0.14	0.12	0.22
pH (Field)	-	--	--	8.5	7.3	6.8	6.7	7.1	7.1	7.2	7.3	6.7	6.72
Phosphorus	mg/l	--	--	--	<0.01	--	<0.05	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	0.07	--	0.06	0.03	0.05	0.02	<0.01	<0.01
Sulfate	mg/l	--	500 [12]	--	43	35	32.6	19	22	25	15	15	17
Temperature (Field)	deg c	--	15	--	10	9	7	9	11	8	11	7.5	9.8
Total Dissolved Solids	mg/l	--	500	--	298	310	274	226	278	277	224	250	277
Total Organic Carbon	mg/l	--	--	--	4	4.3	4.1	3.4	3.5	3.7	3.6	3.8	4.3
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	<0.01	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic, dissolved	mg/l	0.025	--	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium, dissolved	mg/l	1	--	--	0.23	0.21	0.215	0.16	0.2	0.17	0.17	0.14	0.20
Beryllium, dissolved	mg/l	--	--	--	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.039	0.04	0.04	0.04	0.03	0.03	0.03
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	--	66	74	66.9	60	65	69	59	58	66
Chromium, dissolved	mg/l	0.05	--	--	<0.001	0.002	<0.005	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
Cobalt, dissolved	mg/l	--	--	--	<0.0002	0.0002	0.0001	<0.0002	0.0002	0.0005	<0.0002	<0.0002	0.0003
Copper, dissolved	mg/l	--	1	--	0.001	<0.001	0.0009	0.004	0.017	<0.001	0.013	<0.001	0.003
Iron, dissolved	mg/l	--	0.3	--	0.04	0.04	<0.03	0.07	<0.03	<0.03	<0.03	<0.03	0.10
Lead, dissolved	mg/l	0.01	--	--	<0.001	<0.001	0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	--	12	12	11.6	10	11	11	10	10	9
Manganese, dissolved	mg/l	--	0.05	--	0.41	0.533	0.34	0.25	0.38	0.21	0.23	0.04	0.44
Molybdenum, dissolved	mg/l	--	--	--	<0.01	<0.005	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.005	0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	--	<1	1	0.9	1	<1	<1	<1	<1	<1
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [10]	--	7	5	6.1	8	5	6	4	4	3
Strontium, dissolved	mg/l	--	--	--	0.092	0.097	0.093	0.094	0.111	0.075	0.085	0.078	0.106
Thallium, dissolved	mg/l	--	--	--	<0.001	<0.001	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.005	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	--	<0.001	<0.001	0.0011	0.001	0.002	0.001	0.002	0.002	0.002
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.005	<0.005	0.02	<0.01	<0.01	0.02	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	<0.001	<0.01	<0.001	<0.01	<0.001	<0.001	<0.005	<0.001	<0.002
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-10D 10-May-2011 [11] A-15	91-10D 24-May-2012 [21] 91-10D
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	225	215
Ammonia Nitrogen	mg/L	--	--	--	0.03	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	<1
Bromide	mg/l	--	--	--	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	15	<5
Chloride	mg/l	--	250	--	30	11
Conductivity (Field)	uS/cm	--	--	--	568	488
Cyanide	mg/l	0.2	--	--	<0.01	<0.002
Fluoride	mg/l	1.5	--	--	<0.10	<0.10
Hardness, Calcium Carbonate	mg/l	--	--	100	*277*	*234*
Nitrate as N	mg/l	10	--	--	0.19	0.14
Nitrite as N	mg/l	1	--	--	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.35	0.11
pH (Field)	-	--	--	8.5	6.58	6.74
Phosphorus	mg/l	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	<0.01	<0.01
Sulfate	mg/l	--	500 [12]	--	22	19
Temperature (Field)	deg c	--	15	--	10.7	11.2
Total Dissolved Solids	mg/l	--	500	--	348	294
Total Organic Carbon	mg/l	--	--	--	4.3	4.6
Metals						
Aluminum, dissolved	mg/l	--	--	0.1	<0.01	<0.01
Arsenic, dissolved	mg/l	0.025	--	--	<0.001	<0.001
Barium, dissolved	mg/l	1	--	--	0.20	0.22
Beryllium, dissolved	mg/l	--	--	--	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	--	0.04	0.03
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	--	86	74
Chromium, dissolved	mg/l	0.05	--	--	0.002	0.003
Cobalt, dissolved	mg/l	--	--	--	0.0005	0.0005
Copper, dissolved	mg/l	--	1	--	0.005	<0.001
Iron, dissolved	mg/l	--	0.3	--	0.05	0.03
Lead, dissolved	mg/l	0.01	--	--	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	--	15	12
Manganese, dissolved	mg/l	--	0.05	--	0.37	0.66
Molybdenum, dissolved	mg/l	--	--	--	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	--	1	1
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [10]	--	6	6
Strontium, dissolved	mg/l	--	--	--	0.144	0.121
Thallium, dissolved	mg/l	--	--	--	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	--	0.002	0.003
Zinc, dissolved	mg/l	--	5	--	0.02	<0.01
Zirconium, dissolved	mg/l	--	--	--	<0.002	<0.002
Phenols						
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	91-10M 10-May-2002	91-10M 08-May-2003	91-10M 15-Apr-2004	91-10M 22-May-2005	91-10M 25-May-2006	91-10M 10-May-2007	91-10M 25-May-2008	91-10M 05-Jun-2009 B-11	91-10M 13-May-2010 B-2
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	197	205	197	237	231	214	217	212	216
Ammonia Nitrogen	mg/L	--	--	--	0.16	0.27	0.23	0.34	0.3	0.2	0.42	0.27	0.33
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	<1	<0.5	<1	<1	<1	<1	2	<1
Bromide	mg/l	--	--	--	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	11	11	18	25	16	19	18	23	20
Chloride	mg/l	--	250	--	10	11	6.7	6	6	5	6	8	8
Conductivity (Field)	uS/cm	--	--	--	483	461	700	600	370	670	441	447	492
Cyanide	mg/l	0.2	--	--	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Fluoride	mg/l	1.5	--	--	0.54	0.12	<0.1	0.15	<0.1	<0.1	<0.1	<0.10	<0.10
Hardness, Calcium Carbonate	mg/l	--	--	100	*228*	*225*	*202.6*	*243*	*228*	*223*	*255*	*218*	*219*
Nitrate as N	mg/l	10	--	--	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10
Nitrite as N	mg/l	1	--	--	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	0.15	*0.25*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.41	0.49	0.43	0.57	0.39	0.35	0.78	0.48	0.57
pH (Field)	-	--	--	8.5	7.3	7	6.8	7	6.8	7.4	7.5	6.69	6.6
Phosphorus	mg/l	--	--	--	<0.01	--	<0.05	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	0.07	--	0.08	0.04	0.04	0.01	0.01	<0.01
Sulfate	mg/l	--	500 [12]	--	44	27	23.1	19	17	20	15	16	15
Temperature (Field)	deg c	--	15	--	11	11	6	8	11	8	11	10.7	8.8
Total Dissolved Solids	mg/l	--	500	--	314	300	242	295	307	293	287	293	295
Total Organic Carbon	mg/l	--	--	--	3.9	5.7	5.5	7.5	7.6	5.3	12.2	7.1	8.0
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	0.01	0.008	0.01	<0.01	0.01	0.01	<0.01	0.01
Arsenic, dissolved	mg/l	0.025	--	--	<0.001	<0.001	<0.002	0.001	0.001	0.001	<0.001	0.001	0.001
Barium, dissolved	mg/l	1	--	--	0.39	0.43	0.403	0.49	0.43	0.39	0.49	0.37	0.44
Beryllium, dissolved	mg/l	--	--	--	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.034	0.05	0.04	0.04	0.03	0.03	0.04
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	--	73	72	65.7	79	75	73	84	71	73
Chromium, dissolved	mg/l	0.05	--	--	<0.001	0.003	<0.005	0.001	<0.001	<0.001	<0.001	0.002	<0.001
Cobalt, dissolved	mg/l	--	--	--	<0.0002	0.0003	0.0001	0.0004	0.0003	0.0007	0.0004	0.0003	0.0003
Copper, dissolved	mg/l	--	1	--	0.002	<0.001	<0.0005	0.003	<0.001	<0.001	<0.001	<0.001	0.002
Iron, dissolved	mg/l	--	0.3	--	2.94	6.15	5.39	9.45	6.69	3.73	9	6.35	7.30
Lead, dissolved	mg/l	0.01	--	--	<0.001	<0.001	0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	--	11	11	9.38	11	10	10	11	10	9
Manganese, dissolved	mg/l	--	0.05	--	1.44	2.15	1.67	2.42	1.97	1.75	2.45	1.73	2.10
Molybdenum, dissolved	mg/l	--	--	--	<0.01	0.037	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.005	0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	--	1	1	1.1	1	1	1	1	1	1
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [10]	--	7	8	6.6	11	6	7	5	5	6
Strontium, dissolved	mg/l	--	--	--	0.094	0.095	0.089	0.106	0.112	0.101	0.103	0.095	0.108
Thallium, dissolved	mg/l	--	--	--	<0.001	<0.001	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.005	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	--	<0.001	0.002	0.0018	0.004	0.004	0.002	0.004	0.005	0.003
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.005	<0.005	0.02	<0.01	<0.01	0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	0.001	<0.01	<0.001	<0.01	0.002	<0.001	<0.005	<0.02	<0.002
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001 [13]	<0.001

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	91-10M 10-May-2011 [21] A-16	91-10M 24-May-2012 [13] 91-10M
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	212	226
Ammonia Nitrogen	mg/L	--	--	--	0.16	0.22
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	<1
Bromide	mg/l	--	--	--	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	10	19
Chloride	mg/l	--	250	--	24	9
Conductivity (Field)	uS/cm	--	--	--	518	501
Cyanide	mg/l	0.2	--	--	<0.01	<0.002
Fluoride	mg/l	1.5	--	--	<0.10	<0.10
Hardness, Calcium Carbonate	mg/l	--	--	100	*254*	*228*
Nitrate as N	mg/l	10	--	--	<0.10	<0.10
Nitrite as N	mg/l	1	--	--	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.24	0.32
pH (Field)	-	--	--	8.5	6.65	6.64
Phosphorus	mg/l	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	<0.01	<0.01
Sulfate	mg/l	--	500 [12]	--	17	15
Temperature (Field)	deg c	--	15	--	10.4	11.2
Total Dissolved Solids	mg/l	--	500	--	318	296
Total Organic Carbon	mg/l	--	--	--	4.4	6.8
Metals						
Aluminum, dissolved	mg/l	--	--	0.1	<0.01	<0.01
Arsenic, dissolved	mg/l	0.025	--	--	<0.01	<0.01
Barium, dissolved	mg/l	1	--	--	0.36	0.42
Beryllium, dissolved	mg/l	--	--	--	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	--	0.03	0.04
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	--	82	73
Chromium, dissolved	mg/l	0.05	--	--	0.002	0.003
Cobalt, dissolved	mg/l	--	--	--	0.0005	0.0003
Copper, dissolved	mg/l	--	1	--	0.005	<0.001
Iron, dissolved	mg/l	--	0.3	--	3.29	5.74
Lead, dissolved	mg/l	0.01	--	--	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	--	12	11
Manganese, dissolved	mg/l	--	0.05	--	1.46	1.90
Molybdenum, dissolved	mg/l	--	--	--	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	--	1	1
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [10]	--	6	6
Strontium, dissolved	mg/l	--	--	--	0.108	0.109
Thallium, dissolved	mg/l	--	--	--	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	--	0.002	0.005
Zinc, dissolved	mg/l	--	5	--	0.03	<0.01
Zirconium, dissolved	mg/l	--	--	--	<0.002	<0.002
Phenols						
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-2D 09-May-2002	93-2D 16-Sep-2002	93-2D 27-Apr-2003	93-2D 22-Sep-2003	93-2D 19-Apr-2004	93-2D 23-Sep-2004	93-2D 20-May-2005	93-2D 28-Sep-2005	93-2D 19-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	268	263	262	255	258	279	260	250	289
Ammonia Nitrogen	mg/l	--	--	--	0.06	0.03	0.03	0.04	<0.03	<0.03	0.07	0.05	0.02
Chemical Oxygen Demand	mg/l	--	--	--	6	8	<5	<5	5	11	<5	<5	<5
Chloride	mg/l	--	250	--	486	504	506	491	503	624	484	535	564
Conductivity (Field)	uS/cm	--	--	--	2100	2200	1610	2050	1800	1400	1700	2200	2000
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*670*	*830*	*740*	*701*	*719.9*	*608.3*	*685*	*636*	*686*
Nitrogen, Organic	mg/l	--	--	0.15	0.09	0.05	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.15	0.08	0.16	0.08	0.13	0.13	0.08	<0.05	0.49
pH (Field)	-	--	--	8.5	6.9	7.3	6.8	7.9	7.1	6.8	7.2	7.2	7.5
Temperature (Field)	deg c	--	15	--	7	12	8	12	10.6	12	11.5	10	10
Total Dissolved Solids	mg/l	--	500	--	1370	1440	1440	1330	1346	1606	--	1350	1580
Total Organic Carbon	mg/l	--	--	--	1.3	2.5	1.9	2.4	1.5	1.5	--	<0.5	<0.5
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	0.4	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	0.23	0.19	0.23	0.37	0.32	0.08	0.31	0.38	0.14
Calcium, dissolved	mg/l	--	--	--	161	222	181	167	168	154	167	154	166
Iron, dissolved	mg/l	--	0.3	--	0.02	0.02	<0.01	<0.01	0.01	<0.01	0.01	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	65	67	70	69	72.5	54	65	61	66
Potassium, dissolved	mg/l	--	--	--	3	4	4	6	3.2	2.7	4	3	3
Sodium, dissolved	mg/l	--	200 [10]	--	157	175	169	160	160	276	145	146	236
Strontium, dissolved	mg/l	--	--	--	7.21	4.92	6.88	4.74	5.01	1.57	4.62	4.41	2.42

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-2D 30-Sep-2006	93-2D 11-May-2007	93-2D 25-Sep-2007	93-2D 25-May-2008	93-2D 29-Sep-2008	93-2D 05-Jun-2009 C-11	93-2D 11-Sep-2009 A-19	93-2D 10-May-2010 M-11	93-2D 31-Aug-2010 B-14
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	304	326	316	322	311	267	282	277	328
Ammonia Nitrogen	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	9	7	<5	<5	13	15	<5	8	15
Chloride	mg/l	--	250	--	608	641	602	585	517	509	484	491	511
Conductivity (Field)	uS/cm	--	--	--	770	1510	1405	2550	610	2065	1894	2385	1986
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*606*	*556*	*573*	*572*	*399*	*637*	*676*	*634*	*628*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.12	0.38	0.13	0.13	<0.1	0.13	<0.10	0.15	<0.10
pH (Field)	-	--	--	8.5	7.1	7.4	7.5	7.4	7.2	7.27	6.93	7.3	7.15
Temperature (Field)	deg c	--	15	--	8	10	12	11	14	10.0	11.4	11.1	15.6
Total Dissolved Solids	mg/l	--	500	--	1690	1790	1640	1660	1500	1460	1460	1430	1470
Total Organic Carbon	mg/l	--	--	--	0.7	2.1	2.9	2.1	2	2.5	1.9	1.9	1.7
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	0.12	0.02	0.06	0.11	0.02	0.28	0.22	0.28	0.21
Calcium, dissolved	mg/l	--	--	--	152	145	147	150	102	153	162	155	154
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03	0.22	0.3	<0.03	<0.03	0.06	0.04	<0.03
Magnesium, dissolved	mg/l	--	--	--	55	47	50	48	35	62	66	60	59
Potassium, dissolved	mg/l	--	--	--	2	1	2	2	1	3	4	3	3
Sodium, dissolved	mg/l	--	200 [10]	--	265	314	281	339	243	162	173	180	212
Strontium, dissolved	mg/l	--	--	--	2.45	0.733	1.22	1.78	0.572	4.29	5.15	4.47	3.78

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-2D 09-May-2011 M-12	93-2D 02-Sep-2011 B-1	93-2D 24-May-2012 93-2D	93-2D 27-Aug-2012 93-2D
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	299	307	268	298
Ammonia Nitrogen	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	5	10	<5	9
Chloride	mg/l	--	250	--	495	545	501	480
Conductivity (Field)	uS/cm	--	--	--	2252	--	2149	1979
Fluoride	mg/l	1.5	--	--	--	--	--	0.38
Hardness, Calcium Carbonate	mg/l	--	--	100	*623*	*668*	*650*	*626*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	<0.10	<0.10	0.14
pH (Field)	-	--	--	8.5	7.35	--	7.40	7.17
Temperature (Field)	deg c	--	15	--	9.5	--	13.5	13.7
Total Dissolved Solids	mg/l	--	500	--	1450	1470	1420	1400
Total Organic Carbon	mg/l	--	--	--	1.9	1.7	1.9	1.7
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.23	0.16	0.27	0.24
Calcium, dissolved	mg/l	--	--	--	152	167	158	155
Iron, dissolved	mg/l	--	0.3	--	0.08	0.09	0.40	0.35
Magnesium, dissolved	mg/l	--	--	--	59	61	62	58
Potassium, dissolved	mg/l	--	--	--	3	3	3	4
Sodium, dissolved	mg/l	--	200 [10]	--	155	214	158	154
Strontium, dissolved	mg/l	--	--	--	4.41	3.52	4.37	4.53

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-2M 09-May-2002	93-2M 17-Sep-2002	93-2M 27-Apr-2003	93-2M 22-Sep-2003	93-2M 19-Apr-2004	93-2M 23-Sep-2004	93-2M 23-May-2005	93-2M 29-Sep-2005	93-2M 19-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	295	--	275	--	287	--	303	--	303
Ammonia Nitrogen	mg/l	--	--	--	0.03	--	<0.02	--	<0.03	--	<0.02	--	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	--	7	--	<5	--	<5
Chloride	mg/l	--	250	--	572	--	557	--	627	--	703	--	702
Conductivity (Field)	uS/cm	--	--	--	2410	1600	1950	2400	2200	1510	1660	2100	2300
Hardness, Calcium Carbonate	mg/l	--	--	100	*571*	--	*633*	--	*645.1*	--	*793*	--	*760*
Nitrogen, Organic	mg/l	--	--	0.15	0.14	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.17	--	0.11	--	0.09	--	0.09	--	0.5
pH (Field)	-	--	--	8.5	6.8	7.2	6.7	7.8	7.2	7	6.8	7.3	7.3
Temperature (Field)	deg c	--	15	--	9	11	4	12	9.5	10	10	10	13
Total Dissolved Solids	mg/l	--	500	--	1570	--	1530	--	1506	--	1750	--	1830
Total Organic Carbon	mg/l	--	--	--	1	--	1.2	--	2.6	--	<0.5	--	<0.5
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	--	<0.05	--	0.02	--	0.03	--	0.02
Calcium, dissolved	mg/l	--	--	--	153	--	166	--	169	--	217	--	194
Iron, dissolved	mg/l	--	0.3	--	0.08	--	0.08	--	0.03	--	0.01	--	<0.03
Magnesium, dissolved	mg/l	--	--	--	46	--	53	--	54	--	61	--	67
Potassium, dissolved	mg/l	--	--	--	1	--	1	--	<1	--	2	--	2
Sodium, dissolved	mg/l	--	200 [10]	--	250	--	258	--	302	--	275	--	240
Strontium, dissolved	mg/l	--	--	--	0.731	--	0.663	--	0.607	--	0.898	--	1.11

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-2M 28-Sep-2006	93-2M 11-May-2007	93-2M 25-Sep-2007	93-2M 25-May-2008	93-2M 29-Sep-2008	93-2M 05-Jun-2009 C-14	93-2M 11-Sep-2009 A-22	93-2M 10-May-2010 M-13	93-2M 31-Aug-2010 B-15
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	332	--	311	--	316	--	312	--
Ammonia Nitrogen	mg/l	--	--	--	--	<0.02	--	0.04	--	<0.02	--	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	--	9	--	<5	--	18	--	5	--
Chloride	mg/l	--	250	--	--	647	--	568	--	571	--	514	--
Conductivity (Field)	uS/cm	--	--	--	1600	1660	1605	2440	560	2299	2049	2550	2021
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*558*	--	*556*	--	*616*	--	*554*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.36	--	0.19	--	0.13	--	0.23	--
pH (Field)	-	--	--	8.5	7.3	7.3	7.4	7.1	7.3	7.19	7.08	7.22	7.12
Temperature (Field)	deg c	--	15	--	10	10	12	13	13	9.5	10.2	10.1	14.5
Total Dissolved Solids	mg/l	--	500	--	--	1810	--	1590	--	1630	--	1520	--
Total Organic Carbon	mg/l	--	--	--	--	1.7	--	1.8	--	2.3	--	1.9	--
Metals													
Boron, dissolved	mg/l	5	--	--	--	<0.01	--	0.01	--	0.02	--	0.02	--
Calcium, dissolved	mg/l	--	--	--	--	146	--	147	--	161	--	146	--
Iron, dissolved	mg/l	--	0.3	--	--	0.05	--	1.1	--	<0.03	--	0.18	--
Magnesium, dissolved	mg/l	--	--	--	--	47	--	46	--	52	--	46	--
Potassium, dissolved	mg/l	--	--	--	--	1	--	1	--	2	--	1	--
Sodium, dissolved	mg/l	--	200 [10]	--	--	320	--	319	--	271	--	248	--
Strontium, dissolved	mg/l	--	--	--	--	0.428	--	0.861	--	0.933	--	0.954	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-2M 09-May-2011 M-11	93-2M 02-Sep-2011 B-2	93-2M 24-May-2012 93-2M	93-2M 27-Aug-2012 93-2M
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	327	--	334	--
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	10	--	<5	--
Chloride	mg/l	--	250	--	544	--	499	--
Conductivity (Field)	uS/cm	--	--	--	2407	--	2242	2014
Hardness, Calcium Carbonate	mg/l	--	--	100	*566*	--	*493*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.11	--	0.23	--
pH (Field)	-	--	--	8.5	7.28	--	7.31	7.34
Temperature (Field)	deg c	--	15	--	10.3	--	12.5	12.2
Total Dissolved Solids	mg/l	--	500	--	1570	--	1460	--
Total Organic Carbon	mg/l	--	--	--	2.1	--	1.8	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.01	--	0.02	--
Calcium, dissolved	mg/l	--	--	--	149	--	128	--
Iron, dissolved	mg/l	--	0.3	--	0.08	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	47	--	42	--
Potassium, dissolved	mg/l	--	--	--	2	--	1	--
Sodium, dissolved	mg/l	--	200 [10]	--	258	--	254	--
Strontium, dissolved	mg/l	--	--	--	0.781	--	0.730	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-2S 09-May-2002	93-2S 17-Sep-2002	93-2S 27-Apr-2003	93-2S 22-Sep-2003	93-2S 19-Apr-2004	93-2S 23-Sep-2004	93-2S 20-May-2005	93-2S 28-Sep-2005	93-2S 19-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	285	--	306	--	296	--	318	--	325
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	<0.02	--	<0.03	--	0.02	--	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	--	7	--	<5	--	<5
Chloride	mg/l	--	250	--	534	--	596	--	652	--	688	--	704
Conductivity (Field)	uS/cm	--	--	--	2280	1500	710	2200	2300	380	2300	2800	2400
Hardness, Calcium Carbonate	mg/l	--	--	100	*490*	--	*592*	--	*594.6*	--	*647*	--	*712*
Nitrogen, Organic	mg/l	--	--	0.15	*0.37*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.39	--	0.11	--	0.08	--	0.11	--	0.09
pH (Field)	-	--	--	8.5	7.2	7.4	7.1	7.7	7.3	6.7	7.2	7.2	7.6
Temperature (Field)	deg c	--	15	--	9	12.5	10	14.7	7.9	11	12.3	15	11
Total Dissolved Solids	mg/l	--	500	--	1480	--	1640	--	1538	--	--	--	1850
Total Organic Carbon	mg/l	--	--	--	1	--	1.2	--	1.8	--	--	--	<0.5
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	>100	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	--	<0.05	--	<0.01	--	0.01	--	0.02
Calcium, dissolved	mg/l	--	--	--	132	--	158	--	152	--	170	--	183
Iron, dissolved	mg/l	--	0.3	--	0.02	--	<0.01	--	<0.01	--	0.03	--	<0.03
Magnesium, dissolved	mg/l	--	--	--	39	--	48	--	51.9	--	54	--	62
Potassium, dissolved	mg/l	--	--	--	<1	--	1	--	<1	--	1	--	1
Sodium, dissolved	mg/l	--	200 [10]	--	270	--	316	--	308	--	377	--	293
Strontium, dissolved	mg/l	--	--	--	0.245	--	0.286	--	0.307	--	0.356	--	0.684

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-2S 28-Sep-2006	93-2S 11-May-2007	93-2S 25-Sep-2007	93-2S 25-May-2008	93-2S 29-Sep-2008	93-2S 05-Jun-2009 C-9	93-2S 11-Sep-2009 A-21	93-2S 10-May-2010 M-20	93-2S 31-Aug-2010 B-16
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	333	--	281	--	338	--	353	--
Ammonia Nitrogen	mg/l	--	--	--	--	0.04	--	<0.02	--	<0.02	--	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	--	9	--	<5	--	13	--	10	--
Chloride	mg/l	--	250	--	--	613	--	450	--	517	--	501	--
Conductivity (Field)	uS/cm	--	--	--	1600	2180	2070	2030	480	2176	2035	2512	2210
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*527*	--	*450*	--	*508*	--	*468*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.48	--	<0.1	--	0.11	--	<0.10	--
pH (Field)	-	--	--	8.5	7.3	7.5	7.4	7.4	7.1	7.27	7.12	7.32	7.1
Temperature (Field)	deg c	--	15	--	11	10	13	13	12	9.0	10.9	9.7	14.2
Total Dissolved Solids	mg/l	--	500	--	--	1690	--	1320	--	1550	--	1550	--
Total Organic Carbon	mg/l	--	--	--	--	1.5	--	1.8	--	1.7	--	2.2	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	--	<0.01	--	0.01	--	<0.01	--	<0.01	--
Calcium, dissolved	mg/l	--	--	--	--	137	--	119	--	131	--	123	--
Iron, dissolved	mg/l	--	0.3	--	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	--	45	--	37	--	44	--	39	--
Potassium, dissolved	mg/l	--	--	--	--	<1	--	<1	--	1	--	<1	--
Sodium, dissolved	mg/l	--	200 [10]	--	--	309	--	261	--	288	--	304	--
Strontium, dissolved	mg/l	--	--	--	--	0.258	--	0.148	--	0.286	--	0.282	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-2S 09-May-2011 M-10	93-2S 02-Sep-2011 B-3	93-2S 24-May-2012 93-2S	93-2S 27-Aug-2012 93-2S
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	360	--	370	--
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	15	--	8	--
Chloride	mg/l	--	250	--	521	--	514	--
Conductivity (Field)	uS/cm	--	--	--	2486	--	2322	2088
Hardness, Calcium Carbonate	mg/l	--	--	100	*464*	--	*474*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	--	<0.10	--
pH (Field)	-	--	--	8.5	7.36	--	7.39	7.45
Temperature (Field)	deg c	--	15	--	10.7	--	12.9	13.5
Total Dissolved Solids	mg/l	--	500	--	1590	--	1550	--
Total Organic Carbon	mg/l	--	--	--	2.0	--	2.7	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--
Metals								
Boron, dissolved	mg/l	5	--	--	<0.01	--	<0.01	--
Calcium, dissolved	mg/l	--	--	--	123	--	124	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	38	--	40	--
Potassium, dissolved	mg/l	--	--	--	1	--	<1	--
Sodium, dissolved	mg/l	--	200 [10]	--	299	--	277	--
Strontium, dissolved	mg/l	--	--	--	0.267	--	0.271	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-3D 09-May-2002	93-3D 26-Apr-2003	93-3D 19-Apr-2004	93-3D 23-May-2005	93-3D 18-May-2006	93-3D 10-May-2007	93-3D 25-May-2008	93-3D 02-Jun-2009 A-13	93-3D 10-May-2010 M-17
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	206	202	210	197	204	201	209	205	201
Ammonia Nitrogen	mg/L	--	--	--	0.16	0.05	0.44	0.14	0.03	0.26	0.18	0.06	0.03
Chemical Oxygen Demand	mg/l	--	--	--	11	6	18	<5	<5	12	5	10	<5
Chloride	mg/l	--	250	--	6	7	6.1	4	4	5	6	4	6
Conductivity (Field)	uS/cm	--	--	--	507	380	360	410	340	515	437	420	454
Hardness, Calcium Carbonate	mg/l	--	--	100	*214*	*190*	*231.8*	*229*	*203*	*206*	*237*	*210*	*203*
Nitrogen, Organic	mg/l	--	--	0.15	*0.16*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.32	0.23	0.6	0.28	0.23	0.43	0.3	0.11	0.15
pH (Field)	-	--	--	8.5	7	7	7.2	7.1	7.6	7.5	7.5	7.34	7.25
Temperature (Field)	deg c	--	15	--	7	8	10.5	9	12	9	12	10.9	11.2
Total Dissolved Solids	mg/l	--	500	--	285	289	258	264	271	269	284	276	271
Total Organic Carbon	mg/l	--	--	--	2.7	2.6	3.7	4.1	3.4	4.4	4	3.8	3.6
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.01	0.02	0.03	0.02	<0.01	0.02	0.02
Calcium, dissolved	mg/l	--	--	--	66	58	73.1	72	63	66	75	66	63
Iron, dissolved	mg/l	--	0.3	--	0.47	0.13	0.17	0.72	0.69	1.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	12	11	11.9	12	11	10	12	11	11
Potassium, dissolved	mg/l	--	--	--	1	<1	<1	1	1	1	1	1	1
Sodium, dissolved	mg/l	--	200 [10]	--	8	6	8.2	9	7	7	7	8	8
Strontium, dissolved	mg/l	--	--	--	0.294	0.294	0.29	0.311	0.259	0.315	0.307	0.330	0.303

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-3D 10-May-2011 A-5	93-3D 24-May-2012 [15] 93-3D
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	217	207
Ammonia Nitrogen	mg/L	--	--	--	0.07	0.09
Chemical Oxygen Demand	mg/l	--	--	--	20	5
Chloride	mg/l	--	250	--	5	4
Conductivity (Field)	uS/cm	--	--	--	473	426
Hardness, Calcium Carbonate	mg/l	--	--	100	*215*	*217*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	0.25
pH (Field)	-	--	--	8.5	7.52	7.33
Temperature (Field)	deg c	--	15	--	9.9	16.2
Total Dissolved Solids	mg/l	--	500	--	278	274
Total Organic Carbon	mg/l	--	--	--	3.6	3.3
Metals						
Boron, dissolved	mg/l	5	--	--	<0.01	0.01
Calcium, dissolved	mg/l	--	--	--	68	67
Iron, dissolved	mg/l	--	0.3	--	0.16	0.13
Magnesium, dissolved	mg/l	--	--	--	11	12
Potassium, dissolved	mg/l	--	--	--	2	1
Sodium, dissolved	mg/l	--	200 [10]	--	13	9
Strontium, dissolved	mg/l	--	--	--	0.302	0.324

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-3S 09-May-2002	93-3S 26-Apr-2003	93-3S 19-Apr-2004	93-3S 23-May-2005	93-3S 18-May-2006	93-3S 10-May-2007	93-3S 28-May-2008	93-3S 02-Jun-2009 A-14	93-3S 10-May-2010 M-19
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	261	241	233	238	238	236	235	241	238
Ammonia Nitrogen	mg/L	--	--	--	0.73	2.82	0.93	0.72	0.18	0.05	0.59	0.17	0.12
Chemical Oxygen Demand	mg/l	--	--	--	12	<5	6	<5	<5	<5	9	5	8
Chloride	mg/l	--	250	--	4	4	4	4	4	4	4	4	5
Conductivity (Field)	uS/cm	--	--	--	2170	520	380	550	360	510	477	464	503
Hardness, Calcium Carbonate	mg/l	--	--	100	*227*	*216*	*249.4*	*264*	*236*	*246*	*250*	*238*	*243*
Nitrogen, Organic	mg/l	--	--	0.15	*3.08*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	3.81	2.94	1.09	0.89	0.26	0.24	0.86	0.16	0.26
pH (Field)	-	--	--	8.5	6.7	6.6	7.1	6.8	7.7	7.4	7.5	7.46	7.36
Temperature (Field)	deg c	--	15	--	9	9	9.7	10	12	10	12	10.1	10.5
Total Dissolved Solids	mg/l	--	500	--	330	310	262	298	306	306	310	309	302
Total Organic Carbon	mg/l	--	--	--	2.5	2.1	2.8	1.9	1.8	2.2	3.4	2.8	2.2
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.01	0.02	0.01	0.02	<0.01	0.01	<0.01
Calcium, dissolved	mg/l	--	--	--	66	60	72	76	68	72	72	69	71
Iron, dissolved	mg/l	--	0.3	--	0.86	0.58	1.63	2.88	0.74	0.22	1.04	0.79	0.68
Magnesium, dissolved	mg/l	--	--	--	15	16	16.8	18	16	16	17	16	16
Potassium, dissolved	mg/l	--	--	--	2	1	1.8	2	1	1	1	1	1
Sodium, dissolved	mg/l	--	200 [10]	--	8	4	4	7	3	5	6	5	4
Strontium, dissolved	mg/l	--	--	--	0.522	0.54	0.508	0.56	0.462	0.523	0.531	0.549	0.522

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-3S 10-May-2011 A-7	93-3S 24-May-2012 93-3S
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	241	240
Ammonia Nitrogen	mg/L	--	--	--	0.06	0.05
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5
Chloride	mg/l	--	250	--	4	4
Conductivity (Field)	uS/cm	--	--	--	475	475
Hardness, Calcium Carbonate	mg/l	--	--	100	*276*	*255*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.20	0.13
pH (Field)	-	--	--	8.5	7.51	7.51
Temperature (Field)	deg c	--	15	--	10.5	13.4
Total Dissolved Solids	mg/l	--	500	--	304	303
Total Organic Carbon	mg/l	--	--	--	2.6	2.4
Metals						
Boron, dissolved	mg/l	5	--	--	<0.01	<0.01
Calcium, dissolved	mg/l	--	--	--	81	74
Iron, dissolved	mg/l	--	0.3	--	0.10	0.47
Magnesium, dissolved	mg/l	--	--	--	18	17
Potassium, dissolved	mg/l	--	--	--	1	1
Sodium, dissolved	mg/l	--	200 [10]	--	4	6
Strontium, dissolved	mg/l	--	--	--	0.544	0.547

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-4D 09-May-2002	93-4D 17-Sep-2002	93-4D 26-Apr-2003	93-4D 22-Sep-2003	93-4D 19-Apr-2004	93-4D 23-Sep-2004	93-4D 23-May-2005	93-4D 28-Sep-2005	93-4D 25-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	252	281	256	277	259	276	274	294	283
Ammonia Nitrogen	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.03	<0.03	<0.02	0.1	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	7	<5	<5	<5	<5	6	<5	<5	<5
Chloride	mg/l	--	250	--	36	39	39	41	63.9	35	35	30	25
Conductivity (Field)	uS/cm	--	--	--	670	480	640	678	600	530	660	720	500
Hardness, Calcium Carbonate	mg/l	--	--	100	*327*	*347*	*293*	*376*	*367.7*	*351.1*	*338*	*326*	*309*
Nitrogen, Organic	mg/l	--	--	0.15	0.09	*0.18*	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.11	0.2	0.14	0.14	0.13	0.17	0.08	0.21	<0.05
pH (Field)	-	--	--	8.5	6.9	7.1	7	7.5	7.1	6.7	7.1	7	7.4
Temperature (Field)	deg c	--	15	--	7	11	9	10.5	9.4	11	8	9	9
Total Dissolved Solids	mg/l	--	500	--	435	454	434	441	454	406	404	434	415
Total Organic Carbon	mg/l	--	--	--	0.9	2	1	1.5	0.9	1.1	1	0.9	1.3
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	<0.05	0.02	0.02	<0.01	0.02	0.02	0.02
Calcium, dissolved	mg/l	--	--	--	83	91	73	96	94.1	91.2	89	86	81
Iron, dissolved	mg/l	--	0.3	--	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	29	29	27	33	32.2	29.9	28	27	26
Potassium, dissolved	mg/l	--	--	--	<1	<1	<1	1	<1	<1	<1	<1	<1
Sodium, dissolved	mg/l	--	200 [10]	--	9	10	9	11	10.4	9.6	10	11	9
Strontium, dissolved	mg/l	--	--	--	0.12	0.139	0.139	0.162	0.157	0.146	0.157	0.154	0.142

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-4D 28-Sep-2006	93-4D 10-May-2007	93-4D 25-Sep-2007	93-4D 25-May-2008	93-4D 28-May-2008	93-4D 29-Sep-2008	93-4D 05-Jun-2009 C-10	93-4D 11-Sep-2009 A-18	93-4D 11-May-2010 A-8
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	302	272	286	210	244	277	271	293	266
Ammonia Nitrogen	mg/l	--	--	--	<0.02	<0.02	0.03	--	<0.02	<0.02	<0.02	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	--	<5	8	5	<5	<5
Chloride	mg/l	--	250	--	38	29	37	--	37	30	26	29	26
Conductivity (Field)	uS/cm	--	--	--	480	550	520	515	618	--	524	569	639
Hardness, Calcium Carbonate	mg/l	--	--	100	*365*	*323*	*343*	--	*295*	*297*	*311*	*337*	*304*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.14	<0.05	0.37	--	0.1	0.11	0.23	<0.10	0.15
pH (Field)	-	--	--	8.5	7.2	7.2	7.4	8.07	7.3	7	7.15	7.1	7.39
Temperature (Field)	deg c	--	15	--	9.5	10	12	--	11	12	10.9	10.4	10.2
Total Dissolved Solids	mg/l	--	500	--	471	411	449	--	402	417	397	430	391
Total Organic Carbon	mg/l	--	--	--	1.4	1.6	1.7	--	1.3	1.6	2.2	1.7	1.5
Metals													
Boron, dissolved	mg/l	5	--	--	0.03	0.01	0.01	--	<0.01	0.02	0.01	0.01	0.01
Calcium, dissolved	mg/l	--	--	--	95	85	88	--	77	76	80	87	79
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03	<0.03	--	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	31	27	30	--	25	26	27	29	26
Potassium, dissolved	mg/l	--	--	--	<1	<1	<1	--	<1	<1	<1	<1	<1
Sodium, dissolved	mg/l	--	200 [10]	--	12	10	11	--	11	11	10	11	9
Strontium, dissolved	mg/l	--	--	--	0.176	0.136	0.169	--	0.146	0.141	0.134	0.156	0.147

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-4D 31-Aug-2010 B-17	93-4D 06-May-2011 L-27	93-4D 02-Sep-2011 B-17	93-4D 24-May-2012 93-4D	93-4D 23-Aug-2012 93-4D
General Chemistry									
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	284	300	301	263	295
Ammonia Nitrogen	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	15	<5	<5	6	<5
Chloride	mg/l	--	250	--	28	41	25	22	36
Conductivity (Field)	uS/cm	--	--	--	594	704	--	596	587
Hardness, Calcium Carbonate	mg/l	--	--	100	*307*	*335*	*314*	*284*	*356*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	<0.10	<0.10	<0.10	0.20
pH (Field)	-	--	--	8.5	7.37	7.07	--	7.16	7.24
Temperature (Field)	deg c	--	15	--	13.9	8.9	--	10.2	11.8
Total Dissolved Solids	mg/l	--	500	--	422	449	411	376	438
Total Organic Carbon	mg/l	--	--	--	1.4	1.6	1.4	1.5	1.2
Metals									
Boron, dissolved	mg/l	5	--	--	0.02	0.01	0.03	0.01	0.02
Calcium, dissolved	mg/l	--	--	--	80	88	83	74	93
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	26	28	26	24	30
Potassium, dissolved	mg/l	--	--	--	<1	<1	<1	<1	<1
Sodium, dissolved	mg/l	--	200 [10]	--	10	10	10	9	9
Strontium, dissolved	mg/l	--	--	--	0.163	0.154	0.145	0.143	0.165

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-4S 09-May-2002	93-4S 17-Sep-2002	93-4S 26-Apr-2003	93-4S 22-Sep-2003	93-4S 19-Apr-2004	93-4S 23-Sep-2004	93-4S 23-May-2005	93-4S 28-Sep-2005	93-4S 25-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	227	--	218	--	202	--	214	--	215
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	<0.02	--	<0.03	--	0.03	--	0.02
Chemical Oxygen Demand	mg/l	--	--	--	10	--	<5	--	14	--	8	--	8
Chloride	mg/l	--	250	--	15	--	14	--	11.6	--	15	--	16
Conductivity (Field)	uS/cm	--	--	--	558	400	590	480	430	490	610	540	410
Hardness, Calcium Carbonate	mg/l	--	--	100	*214*	--	*185*	--	*198*	--	*217*	--	*177*
Nitrogen, Organic	mg/l	--	--	0.15	*0.3*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.32	--	0.21	--	0.48	--	0.19	--	0.17
pH (Field)	-	--	--	8.5	6.6	7.5	6.7	8	7.3	6.8	6.8	7.4	8.2
Temperature (Field)	deg c	--	15	--	9	13	8	13	8.4	10	9	11	10
Total Dissolved Solids	mg/l	--	500	--	363	--	345	--	312	--	328	--	336
Total Organic Carbon	mg/l	--	--	--	3.5	--	3.2	--	6.3	--	4.3	--	4.4
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	--	<0.05	--	0.02	--	0.02	--	0.03
Calcium, dissolved	mg/l	--	--	--	61	--	51	--	57.5	--	62	--	51
Iron, dissolved	mg/l	--	0.3	--	<0.01	--	<0.01	--	<0.01	--	0.01	--	<0.03
Magnesium, dissolved	mg/l	--	--	--	15	--	14	--	13.2	--	15	--	12
Potassium, dissolved	mg/l	--	--	--	2	--	2	--	1.5	--	2	--	2
Sodium, dissolved	mg/l	--	200 [10]	--	32	--	33	--	35.1	--	35	--	38
Strontium, dissolved	mg/l	--	--	--	0.415	--	0.425	--	0.371	--	0.425	--	0.393

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-4S 28-Sep-2006	93-4S 10-May-2007	93-4S 25-Sep-2007	93-4S 28-May-2008	93-4S 29-Sep-2008	93-4S 05-Jun-2009 C-12	93-4S 11-Sep-2009 A-23	93-4S 11-May-2010 A-7	93-4S 31-Aug-2010 B-18
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	215	--	210	--	214	--	214	--
Ammonia Nitrogen	mg/l	--	--	--	--	0.07	--	<0.02	--	<0.02	--	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	--	9	--	11	--	13	--	18	--
Chloride	mg/l	--	250	--	--	15	--	13	--	16	--	18	--
Conductivity (Field)	uS/cm	--	--	--	420	400	465	516	575	526	460	558	474
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*179*	--	*186*	--	*169*	--	*202*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.31	--	0.28	--	0.27	--	<0.10	--
pH (Field)	-	--	--	8.5	8	7.9	8	7.7	7.2	7.60	7.36	7.52	7.31
Temperature (Field)	deg c	--	15	--	11	10	14	10	12	9.7	10.1	8.5	14.7
Total Dissolved Solids	mg/l	--	500	--	--	345	--	335	--	342	--	339	--
Total Organic Carbon	mg/l	--	--	--	--	4.7	--	5.1	--	4.9	--	4.5	--
Metals													
Boron, dissolved	mg/l	5	--	--	--	0.02	--	0.01	--	0.02	--	0.02	--
Calcium, dissolved	mg/l	--	--	--	--	52	--	53	--	48	--	58	--
Iron, dissolved	mg/l	--	0.3	--	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	--	12	--	13	--	12	--	14	--
Potassium, dissolved	mg/l	--	--	--	--	2	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [10]	--	--	40	--	41	--	37	--	38	--
Strontium, dissolved	mg/l	--	--	--	--	0.363	--	0.378	--	0.405	--	0.422	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-4S 06-May-2011 L-28	93-4S 02-Sep-2011 B-18	93-4S 24-May-2012 93-4S	93-4S 23-Aug-2012 93-4S
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	230	--	221	--
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	25	--	13	--
Chloride	mg/l	--	250	--	24	--	19	--
Conductivity (Field)	uS/cm	--	--	--	567	--	529	452
Hardness, Calcium Carbonate	mg/l	--	--	100	*217*	--	*195*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.12	--	0.12	--
pH (Field)	-	--	--	8.5	7.73	--	7.62	7.65
Temperature (Field)	deg c	--	15	--	8.2	--	9.6	12.8
Total Dissolved Solids	mg/l	--	500	--	358	--	343	--
Total Organic Carbon	mg/l	--	--	--	5.2	--	5.0	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.02	--	0.02	--
Calcium, dissolved	mg/l	--	--	--	62	--	55	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	15	--	14	--
Potassium, dissolved	mg/l	--	--	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [10]	--	37	--	34	--
Strontium, dissolved	mg/l	--	--	--	0.393	--	0.434	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-5D 07-May-2002	93-5D 16-Sep-2002	93-5D 27-Apr-2003	93-5D 24-Sep-2003	93-5D 18-Apr-2004	93-5D 23-Sep-2004	93-5D 22-May-2005	93-5D 27-Sep-2005	93-5D 19-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	373	349	346	351	358	342	359	381	346
Ammonia Nitrogen	mg/l	--	--	--	0.39	1.25	0.3	0.36	0.18	0.08	0.3	1.29	0.24
Chemical Oxygen Demand	mg/l	--	--	--	17	9	9	<5	9	12	6	15	<5
Chloride	mg/l	--	250	--	27	19	17	17	17.6	13.5	16	18	11
Conductivity (Field)	uS/cm	--	--	--	820	680	490	717	630	580	675	810	550
Hardness, Calcium Carbonate	mg/l	--	--	100	*378*	*349*	*345*	*367*	*351.4*	*347.9*	*349*	*349*	*358*
Nitrogen, Organic	mg/l	--	--	0.15	*0.24*	0.03	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.63	1.28	0.52	0.52	0.38	0.3	0.36	1.37	0.62
pH (Field)	-	--	--	8.5	6.8	7.2	6.9	7.6	7	6.8	7	6.9	7.2
Temperature (Field)	deg c	--	15	--	8	11.5	9	10.4	7.1	12	9	10	10
Total Dissolved Solids	mg/l	--	500	--	533	482	484	466	404	406	454	478	465
Total Organic Carbon	mg/l	--	--	--	5.1	3.8	3.4	3.7	4.4	3.1	2.7	4.6	2.8
Metals													
Boron, dissolved	mg/l	5	--	--	0.24	0.2	0.15	0.24	0.21	0.18	0.21	0.25	0.14
Calcium, dissolved	mg/l	--	--	--	107	102	97	104	100	96.4	97	100	97
Iron, dissolved	mg/l	--	0.3	--	1.02	0.29	0.19	0.57	0.08	0.5	0.1	0.41	<0.03
Magnesium, dissolved	mg/l	--	--	--	27	23	25	26	24.4	25.9	26	24	28
Potassium, dissolved	mg/l	--	--	--	4	4	3	4	3.1	3.2	3	3	2
Sodium, dissolved	mg/l	--	200 [10]	--	30	18	22	26	23.8	26.6	27	22	15
Strontium, dissolved	mg/l	--	--	--	0.947	0.867	0.855	0.88	0.886	0.786	0.893	0.942	0.478

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-5D 28-Sep-2006	93-5D 15-May-2007	93-5D 25-Sep-2007	93-5D 28-May-2008	93-5D 29-Sep-2008	93-5D 05-Jun-2009 C-7	93-5D 10-Sep-2009 A-11	93-5D 10-May-2010 M-7	93-5D 31-Aug-2010 B-9
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	366	393	382	395	405	423	432	404	392
Ammonia Nitrogen	mg/l	--	--	--	0.91	0.71	0.37	0.57	0.51	0.58	1.61	0.88	1.78
Chemical Oxygen Demand	mg/l	--	--	--	<5	8	10	11	18	23	16	10	25
Chloride	mg/l	--	250	--	16	20	18	18	17	13	15	14	15
Conductivity (Field)	uS/cm	--	--	--	500	510	460	823	710	769	768	837	721
Hardness, Calcium Carbonate	mg/l	--	--	100	*385*	*362*	*376*	*360*	*357*	*394*	*367*	*354*	*369*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.06	0.79	0.54	0.74	0.65	0.95	1.87	1.18	2.24
pH (Field)	-	--	--	8.5	7.2	7.3	7.5	7.1	7.1	6.96	6.98	6.97	6.95
Temperature (Field)	deg c	--	15	--	10	9	11	11	11	9.9	10.1	8.4	14
Total Dissolved Solids	mg/l	--	500	--	506	516	520	535	534	542	553	509	512
Total Organic Carbon	mg/l	--	--	--	4.8	4.8	5.4	5.4	5.4	5.8	5.8	5.2	5.3
Metals													
Boron, dissolved	mg/l	5	--	--	0.17	0.29	0.28	0.29	0.3	0.29	0.34	0.33	0.29
Calcium, dissolved	mg/l	--	--	--	108	102	106	103	100	110	104	102	108
Iron, dissolved	mg/l	--	0.3	--	0.04	0.17	0.34	0.76	0.05	<0.03	0.59	0.26	0.76
Magnesium, dissolved	mg/l	--	--	--	28	26	27	25	26	29	26	24	24
Potassium, dissolved	mg/l	--	--	--	3	3	4	4	4	3	4	3	4
Sodium, dissolved	mg/l	--	200 [10]	--	25	25	29	33	36	32	35	27	24
Strontium, dissolved	mg/l	--	--	--	0.618	1.16	1.13	1.08	1.07	0.844	1.07	1.08	1.07

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-5D 09-May-2011 M-2	93-5D 02-Sep-2011 B-15	93-5D 23-May-2012 93-5D	93-5D 23-Aug-2012 93-5D
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	390	457	434	443
Ammonia Nitrogen	mg/l	--	--	--	0.87	2.90	1.43	2.10
Chemical Oxygen Demand	mg/l	--	--	--	15	23	<5	<5
Chloride	mg/l	--	250	--	13	19	13	14
Conductivity (Field)	uS/cm	--	--	--	781	--	818	744
Hardness, Calcium Carbonate	mg/l	--	--	100	*342*	*376*	*291*	*405*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.93	3.06	1.84	2.44
pH (Field)	-	--	--	8.5	7.18	--	6.92	7.17
Temperature (Field)	deg c	--	15	--	8.3	--	10.9	15.8
Total Dissolved Solids	mg/l	--	500	--	498	567	542	542
Total Organic Carbon	mg/l	--	--	--	4.9	7.2	6.1	6.0
Metals								
Boron, dissolved	mg/l	5	--	--	0.29	0.40	0.32	0.36
Calcium, dissolved	mg/l	--	--	--	99	111	82	116
Iron, dissolved	mg/l	--	0.3	--	0.05	1.10	0.08	1.67
Magnesium, dissolved	mg/l	--	--	--	23	24	21	28
Potassium, dissolved	mg/l	--	--	--	3	5	3	4
Sodium, dissolved	mg/l	--	200 [10]	--	30	28	22	33
Strontium, dissolved	mg/l	--	--	--	1.01	1.09	1.02	1.02

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-5S 07-May-2002	93-5S 16-Sep-2002	93-5S 27-Apr-2003	93-5S 24-Sep-2003	93-5S 18-Apr-2004	93-5S 23-Sep-2004	93-5S 22-May-2005	93-5S 27-Sep-2005	93-5S 19-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	327	339	327	356	358	364	424	370	353
Ammonia Nitrogen	mg/l	--	--	--	0.47	1.31	0.67	1.76	0.64	0.83	0.65	1.16	0.29
Chemical Oxygen Demand	mg/l	--	--	--	6	<5	<5	10	11	16	11	14	<5
Chloride	mg/l	--	250	--	14	17	12	15	13.9	12.5	19	15	11
Conductivity (Field)	uS/cm	--	--	--	712	690	610	717	640	600	480	810	500
Hardness, Calcium Carbonate	mg/l	--	--	100	*348*	*357*	*345*	*380*	*361.5*	*368.3*	*407*	*344*	*355*
Nitrogen, Organic	mg/l	--	--	0.15	0.12	0.13	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.59	1.44	0.9	1.78	0.87	1.06	0.92	1.36	0.45
pH (Field)	-	--	--	8.5	6.6	7.1	6.7	7.4	6.9	6.7	7.1	6.8	7.2
Temperature (Field)	deg c	--	15	--	10	12	11	10.4	8.5	13	10	10	9
Total Dissolved Solids	mg/l	--	500	--	463	463	455	466	404	420	515	462	472
Total Organic Carbon	mg/l	--	--	--	2.6	3.3	3.8	4.4	4.1	3.9	4.3	4.1	2.5
Metals													
Boron, dissolved	mg/l	5	--	--	0.12	0.19	0.08	0.29	0.12	0.23	0.36	0.21	0.14
Calcium, dissolved	mg/l	--	--	--	93	105	92	111	96.4	103	115	98	96
Iron, dissolved	mg/l	--	0.3	--	0.47	0.33	0.27	0.9	0.34	0.86	1.1	0.57	0.43
Magnesium, dissolved	mg/l	--	--	--	28	23	28	25	29.3	26.6	29	24	28
Potassium, dissolved	mg/l	--	--	--	2	4	2	5	1.7	4	3	3	2
Sodium, dissolved	mg/l	--	200 [10]	--	11	13	11	18	11.9	21.6	32	17	15
Strontium, dissolved	mg/l	--	--	--	0.401	0.845	0.4	0.998	0.431	0.795	0.833	0.791	0.402

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-5S 28-Sep-2006	93-5S 15-May-2007	93-5S 25-Sep-2007	93-5S 28-May-2008	93-5S 29-Sep-2008	93-5S 02-Jun-2009 A-12	93-5S 10-Sep-2009 A-10	93-5S 10-May-2010 M-15	93-5S 31-Aug-2010 B-10
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	398	411	396	413	391	413	457	347	405
Ammonia Nitrogen	mg/l	--	--	--	1.14	0.86	1.58	0.94	0.98	0.56	3.00	0.61	1.64
Chemical Oxygen Demand	mg/l	--	--	--	6	12	<5	12	18	13	21	5	25
Chloride	mg/l	--	250	--	18	15	17	13	16	11	18	11	15
Conductivity (Field)	uS/cm	--	--	--	480	500	485	829	480	795	831	709	728
Hardness, Calcium Carbonate	mg/l	--	--	100	*387*	*386*	*377*	*386*	*327*	*390*	*373*	*305*	*378*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.59	0.95	2.22	1.11	1.43	0.64	3.24	0.70	2.04
pH (Field)	-	--	--	8.5	7.1	7.3	7.4	7.2	7.2	7.05	6.92	7.01	6.59
Temperature (Field)	deg c	--	15	--	11.5	9	13	12	12	9.8	11.3	7.5	14.5
Total Dissolved Solids	mg/l	--	500	--	538	522	533	539	515	525	584	449	522
Total Organic Carbon	mg/l	--	--	--	5.8	5.8	6.9	6.1	6.2	5.2	7.2	3.5	5.6
Metals													
Boron, dissolved	mg/l	5	--	--	0.3	0.38	0.45	0.33	0.38	0.29	0.45	0.18	0.35
Calcium, dissolved	mg/l	--	--	--	112	110	108	110	93	110	108	86	110
Iron, dissolved	mg/l	--	0.3	--	0.53	1.25	1.28	1	0.58	0.51	1.56	0.67	1.36
Magnesium, dissolved	mg/l	--	--	--	26	27	26	27	23	28	25	22	25
Potassium, dissolved	mg/l	--	--	--	4	3	4	4	4	3	5	2	4
Sodium, dissolved	mg/l	--	200 [10]	--	26	28	32	33	33	28	31	17	27
Strontium, dissolved	mg/l	--	--	--	1.14	0.966	1.17	0.837	1.03	0.745	1.35	0.733	1.12

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-5S 09-May-2011 M-3	93-5S 02-Sep-2011 B-16	93-5S 23-May-2012 93-5S	93-5S 23-Aug-2012 93-5S
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	379	492	443	434
Ammonia Nitrogen	mg/l	--	--	--	0.68	4.70	1.36	4.83
Chemical Oxygen Demand	mg/l	--	--	--	15	20	10	21
Chloride	mg/l	--	250	--	10	22	13	23
Conductivity (Field)	uS/cm	--	--	--	718	--	823	752
Hardness, Calcium Carbonate	mg/l	--	--	100	*345*	*419*	*286*	*404*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.78	5.32	1.60	5.67
pH (Field)	-	--	--	8.5	7.02	--	6.06	6.87
Temperature (Field)	deg c	--	15	--	8.8	--	10.1	14.0
Total Dissolved Solids	mg/l	--	500	--	480	607	549	555
Total Organic Carbon	mg/l	--	--	--	4.2	8.6	6.6	6.5
Metals								
Boron, dissolved	mg/l	5	--	--	0.21	0.47	0.34	0.32
Calcium, dissolved	mg/l	--	--	--	97	125	80	119
Iron, dissolved	mg/l	--	0.3	--	0.24	3.37	1.11	4.08
Magnesium, dissolved	mg/l	--	--	--	25	26	21	26
Potassium, dissolved	mg/l	--	--	--	3	6	3	7
Sodium, dissolved	mg/l	--	200 [10]	--	19	30	21	26
Strontium, dissolved	mg/l	--	--	--	0.659	1.22	0.956	0.858

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-6 08-May-2002	93-6 26-Apr-2003	93-6 14-Apr-2004	93-6 27-May-2005	93-6 30-May-2006	93-6 14-May-2007	93-6 27-May-2008	93-6 04-Jun-2009 Z-12	93-6 13-May-2010 B-6
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	320	252	288	362	342	328	364	337	370
Ammonia Nitrogen	mg/L	--	--	--	1.97	0.94	0.76	0.99	0.67	0.56	0.5	0.78	0.59
Chemical Oxygen Demand	mg/l	--	--	--	12	<5	14	9	<5	<5	5	15	10
Chloride	mg/l	--	250	--	3	2	2.3	5	2	3	3	3	4
Conductivity (Field)	uS/cm	--	--	--	615	700	580	600	500	580	732	632	785
Hardness, Calcium Carbonate	mg/l	--	--	100	*304*	*273*	*293.5*	*376*	*319*	*330*	*392*	*324*	*361*
Nitrogen, Organic	mg/l	--	--	0.15	*0.27*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.24	1.17	0.96	1.19	0.94	0.91	0.68	1.02	0.95
pH (Field)	-	--	--	8.5	6.8	6.9	6.9	7.2	6.9	7	7	6.99	6.72
Sulfate	mg/l	--	500 [12]	--	--	--	--	--	--	20	--	--	--
Temperature (Field)	deg c	--	15	--	9	10	6	7.5	15	11	12	10.2	10.1
Total Dissolved Solids	mg/l	--	500	--	400	341	296	458	408	399	476	415	461
Total Organic Carbon	mg/l	--	--	--	4.9	2.6	3.4	3.3	2.4	3.3	4.1	4.2	4.3
Metals													
Boron, dissolved	mg/l	5	--	--	0.08	<0.05	0.01	0.03	0.02	0.02	0.02	0.04	0.02
Calcium, dissolved	mg/l	--	--	--	82	73	77.2	106	88	91	109	92	100
Iron, dissolved	mg/l	--	0.3	--	16.2	4.24	2.27	9.92	5.71	5.05	1.34	1.41	2.42
Magnesium, dissolved	mg/l	--	--	--	24	22	24.4	27	24	25	29	23	27
Potassium, dissolved	mg/l	--	--	--	2	2	<1	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	7	2	3.8	6	5	6	8	5	6
Strontium, dissolved	mg/l	--	--	--	0.146	0.107	0.094	0.201	0.125	0.128	0.139	0.146	0.170

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-6 06-May-2011 [17] L-17	93-6 28-May-2012 93-6
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	386	380
Ammonia Nitrogen	mg/L	--	--	--	0.75	0.47
Chemical Oxygen Demand	mg/l	--	--	--	15	8
Chloride	mg/l	--	250	--	2	3
Conductivity (Field)	uS/cm	--	--	--	684	691
Hardness, Calcium Carbonate	mg/l	--	--	100	*374*	*353*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.95	0.65
pH (Field)	-	--	--	8.5	6.60	6.73
Sulfate	mg/l	--	500 [12]	--	--	--
Temperature (Field)	deg c	--	15	--	7.1	13.9
Total Dissolved Solids	mg/l	--	500	--	463	467
Total Organic Carbon	mg/l	--	--	--	4.2	3.7
Metals						
Boron, dissolved	mg/l	5	--	--	<0.1	0.03
Calcium, dissolved	mg/l	--	--	--	110	100
Iron, dissolved	mg/l	--	0.3	--	0.4	0.61
Magnesium, dissolved	mg/l	--	--	--	24	25
Potassium, dissolved	mg/l	--	--	--	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	7	6
Strontium, dissolved	mg/l	--	--	--	0.20	0.173

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-7 08-May-2002	93-7 26-Apr-2003	93-7 14-Apr-2004	93-7 27-May-2005	93-7 30-May-2006	93-7 14-May-2007	93-7 27-May-2008	93-7 04-Jun-2009 Z-10	93-7 13-May-2010 B-7
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	217	221	249	289	303	251	238	262	251
Ammonia Nitrogen	mg/L	--	--	--	0.07	<0.02	<0.03	0.02	0.03	<0.02	<0.02	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	7	5	<5	<5	<5	10	5
Chloride	mg/l	--	250	--	1	2	1.6	2	1	2	1	1	2
Conductivity (Field)	uS/cm	--	--	--	436	410	520	420	435	410	445	489	482
Hardness, Calcium Carbonate	mg/l	--	--	100	*216*	*236*	*299.5*	*289*	*304*	*250*	*252*	*254*	*235*
Nitrogen, Organic	mg/l	--	--	0.15	*2.19*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.26	0.15	0.25	0.18	0.22	<0.05	0.13	0.12	0.11
pH (Field)	-	--	--	8.5	6.5	6.7	6.9	7.6	7.1	7.2	7.1	7.26	7.15
Sulfate	mg/l	--	500 [12]	--	--	--	--	--	--	11	--	--	--
Temperature (Field)	deg c	--	15	--	9	9	5	6	13	11	12	10.5	9.4
Total Dissolved Solids	mg/l	--	500	--	283	293	278	356	367	302	289	314	304
Total Organic Carbon	mg/l	--	--	--	2.5	2	3.8	1.5	1.8	2.1	2.9	2.8	2.5
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
Calcium, dissolved	mg/l	--	--	--	55	60	78.9	73	79	62	63	62	58
Iron, dissolved	mg/l	--	0.3	--	0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	19	21	24.9	26	26	23	23	24	22
Potassium, dissolved	mg/l	--	--	--	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sodium, dissolved	mg/l	--	200 [10]	--	4	3	6.7	2	5	<2	<2	<2	<2
Strontium, dissolved	mg/l	--	--	--	0.035	0.037	0.059	0.049	0.042	0.038	0.039	0.036	0.041

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-7 06-May-2011 L-9	93-7 28-May-2012 93-7
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	316	266
Ammonia Nitrogen	mg/L	--	--	--	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	15	5
Chloride	mg/l	--	250	--	1	<1
Conductivity (Field)	uS/cm	--	--	--	528	481
Hardness, Calcium Carbonate	mg/l	--	--	100	*261*	*247*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	<0.10
pH (Field)	-	--	--	8.5	6.95	7.09
Sulfate	mg/l	--	500 [12]	--	--	--
Temperature (Field)	deg c	--	15	--	6.5	11.0
Total Dissolved Solids	mg/l	--	500	--	410	313
Total Organic Carbon	mg/l	--	--	--	2.8	2.7
Metals						
Boron, dissolved	mg/l	5	--	--	<0.01	<0.01
Calcium, dissolved	mg/l	--	--	--	70	61
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	21	23
Potassium, dissolved	mg/l	--	--	--	<1	<1
Sodium, dissolved	mg/l	--	200 [10]	--	3	<2
Strontium, dissolved	mg/l	--	--	--	0.056	0.045

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-8D 13-May-2002	93-8D 16-Sep-2002	93-8D 27-Apr-2003	93-8D 24-Sep-2003	93-8D 18-Apr-2004	93-8D 23-Sep-2004	93-8D 20-May-2005	93-8D 29-Sep-2005	93-8D 18-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	237	237	239	243	246	243	234	236	234
Ammonia Nitrogen	mg/l	--	--	--	0.08	0.13	0.06	0.12	<0.03	0.1	0.19	0.1	0.09
Chemical Oxygen Demand	mg/l	--	--	--	10	8	7	6	8	11	7	<5	<5
Chloride	mg/l	--	250	--	522	582	594	605	585	613	566	570	577
Conductivity (Field)	uS/cm	--	--	--	2400	2400	1580	2440	2300	1340	2000	2200	2100
Hardness, Calcium Carbonate	mg/l	--	--	100	*528*	*782*	*661*	*728*	*629.3*	*614.7*	*602*	*592*	*614*
Nitrogen, Organic	mg/l	--	--	0.15	0.1	0.03	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.18	0.16	0.14	0.23	0.15	0.22	0.27	0.34	0.15
pH (Field)	-	--	--	8.5	7.1	7.5	7	8	7.2	7	7.4	7.4	7.8
Temperature (Field)	deg c	--	15	--	9	11.5	10	9.6	8	11	10.9	10	11
Total Dissolved Solids	mg/l	--	500	--	1560	1630	1660	1590	1556	1560	--	1490	1570
Total Organic Carbon	mg/l	--	--	--	2.6	2.6	2	2.2	2	2.2	--	<0.5	1.6
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	>100	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	0.82	0.79	0.69	0.81	0.68	0.71	0.71	0.76	0.85
Calcium, dissolved	mg/l	--	--	--	124	196	164	176	149	146	147	143	147
Iron, dissolved	mg/l	--	0.3	--	0.63	0.04	0.33	0.31	0.2	1.04	0.07	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	53	71	61	70	62.3	60.4	57	57	60
Potassium, dissolved	mg/l	--	--	--	3	5	5	8	4.5	5.2	4	4	5
Sodium, dissolved	mg/l	--	200 [10]	--	246	222	288	246	254	250	236	219	228
Strontium, dissolved	mg/l	--	--	--	8.11	9	9.63	7.61	6.44	6.47	7	6.34	6.35

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-8D 28-Sep-2006	93-8D 15-May-2007	93-8D 25-Sep-2007	93-8D 28-May-2008	93-8D 28-Sep-2008	93-8D 05-Jun-2009 C-8	93-8D 10-Sep-2009 A-12	93-8D 10-May-2010 M-14	93-8D 31-Aug-2010 B-11
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	228	236	228	237	287	234	242	238	240
Ammonia Nitrogen	mg/l	--	--	--	0.15	0.03	0.04	0.08	<0.02	0.09	0.10	0.09	0.04
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	7	10	20	<5	5	15
Chloride	mg/l	--	250	--	620	589	589	587	589	577	591	560	567
Conductivity (Field)	uS/cm	--	--	--	1400	1910	2020	2560	510	2274	2243	2618	2234
Hardness, Calcium Carbonate	mg/l	--	--	100	*661*	*580*	*549*	*516*	*639*	*596*	*623*	*558*	*688*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.33	<0.05	0.14	0.15	<0.1	<0.10	0.12	0.25	<0.10
pH (Field)	-	--	--	8.5	7.5	7.6	7.7	7.5	7.5	7.32	7.33	7.47	7.09
Temperature (Field)	deg c	--	15	--	10	10	11	12	8	10.3	10.1	9.1	13.3
Total Dissolved Solids	mg/l	--	500	--	1630	1590	1590	1660	1600	1620	1670	1610	1630
Total Organic Carbon	mg/l	--	--	--	1.8	2.1	2.7	2.3	2.5	2.7	2.0	2.3	2.1
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	0.75	0.92	0.93	0.69	0.08	0.73	0.68	0.68	0.63
Calcium, dissolved	mg/l	--	--	--	159	140	131	124	162	143	149	136	170
Iron, dissolved	mg/l	--	0.3	--	0.04	0.3	0.63	1.63	0.77	0.37	0.63	0.75	0.85
Magnesium, dissolved	mg/l	--	--	--	64	56	54	50	57	58	61	53	64
Potassium, dissolved	mg/l	--	--	--	4	4	4	5	4	5	5	4	4
Sodium, dissolved	mg/l	--	200 [10]	--	223	265	272	299	234	236	233	252	257
Strontium, dissolved	mg/l	--	--	--	7	6.24	6.16	5.64	1.34	6.99	7.95	6.78	7.11

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-8D 09-May-2011 L-15	93-8D 02-Sep-2011 B-4	93-8D 24-May-2012 93-8D	93-8D 23-Aug-2012 93-8D
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	245	246	241	248
Ammonia Nitrogen	mg/l	--	--	--	0.07	0.08	0.07	0.07
Chemical Oxygen Demand	mg/l	--	--	--	15	10	<5	5
Chloride	mg/l	--	250	--	572	603	566	599
Conductivity (Field)	uS/cm	--	--	--	2431	--	2421	2128
Hardness, Calcium Carbonate	mg/l	--	--	100	*582*	*601*	*600*	*651*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.28	<0.10	0.12	0.17
pH (Field)	-	--	--	8.5	7.51	--	7.51	7.58
Temperature (Field)	deg c	--	15	--	10.4	--	13.6	13.2
Total Dissolved Solids	mg/l	--	500	--	1600	1560	1610	1610
Total Organic Carbon	mg/l	--	--	--	2.4	2.1	2.4	2.0
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.74	0.82	0.68	0.66
Calcium, dissolved	mg/l	--	--	--	144	150	148	160
Iron, dissolved	mg/l	--	0.3	--	0.16	0.66	0.66	0.66
Magnesium, dissolved	mg/l	--	--	--	54	55	56	61
Potassium, dissolved	mg/l	--	--	--	4	4	4	5
Sodium, dissolved	mg/l	--	200 [10]	--	225	250	244	244
Strontium, dissolved	mg/l	--	--	--	6.03	6.63	6.63	6.89

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-8M 13-May-2002	93-8M 16-Sep-2002	93-8M 27-Apr-2003	93-8M 24-Sep-2003	93-8M 18-Apr-2004	93-8M 23-Sep-2004	93-8M 20-May-2005	93-8M 28-Sep-2005	93-8M 18-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	238	--	249	--	250	--	239	--	254
Ammonia Nitrogen	mg/l	--	--	--	0.17	--	0.07	--	0.05	--	0.16	--	0.06
Chemical Oxygen Demand	mg/l	--	--	--	12	--	6	--	8	--	7	--	<5
Chloride	mg/l	--	250	--	415	--	470	--	422	--	492	--	619
Conductivity (Field)	uS/cm	--	--	--	1930	2700	1075	2500	700	1380	1750	3170	2300
Hardness, Calcium Carbonate	mg/l	--	--	100	*502*	--	*596*	--	*530.4*	--	*556*	--	*644*
Nitrogen, Organic	mg/l	--	--	0.15	0.07	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.24	--	0.21	--	0.2	--	0.23	--	0.2
pH (Field)	-	--	--	8.5	6.7	7.2	6.9	*8.6*	7.1	7	7.1	7	7.6
Temperature (Field)	deg c	--	15	--	9	12	9	9.9	8.4	13	11.2	9	11
Total Dissolved Solids	mg/l	--	500	--	1250	--	1400	--	1146	--	--	--	1680
Total Organic Carbon	mg/l	--	--	--	2.8	--	3.1	--	2.4	--	--	--	<0.5
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	1.3	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	0.22	--	0.1	--	0.2	--	0.15	--	0.18
Calcium, dissolved	mg/l	--	--	--	130	--	163	--	139	--	150	--	172
Iron, dissolved	mg/l	--	0.3	--	0.32	--	0.25	--	0.29	--	0.19	--	0.56
Magnesium, dissolved	mg/l	--	--	--	43	--	46	--	44.1	--	44	--	52
Potassium, dissolved	mg/l	--	--	--	2	--	3	--	2.4	--	3	--	4
Sodium, dissolved	mg/l	--	200 [10]	--	158	--	207	--	167	--	206	--	240
Strontium, dissolved	mg/l	--	--	--	2.03	--	2.19	--	1.4	--	1.62	--	1.79

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-8M 28-Sep-2006	93-8M 15-May-2007	93-8M 25-Sep-2007	93-8M 28-May-2008	93-8M 28-Sep-2008	93-8M 05-Jun-2009 C-4	93-8M 10-Sep-2009 A-3	93-8M 10-May-2010 M-16	93-8M 31-Aug-2010 B-12
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	257	--	267	--	247	--	274	--
Ammonia Nitrogen	mg/l	--	--	--	--	0.07	--	0.06	--	0.08	--	0.07	--
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	--	<5	--	15	--	5	--
Chloride	mg/l	--	250	--	--	450	--	508	--	510	--	582	--
Conductivity (Field)	uS/cm	--	--	--	1600	2410	2335	2300	1980	2104	2315	2631	1965
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*529*	--	*592*	--	*582*	--	*591*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.05	--	0.11	--	0.22	--	0.15	--
pH (Field)	-	--	--	8.5	7.2	7.5	7.4	7.3	7.6	7.23	7.16	7.2	7.25
Temperature (Field)	deg c	--	15	--	10.5	10	12	13	9	9.1	10.5	8.2	13.6
Total Dissolved Solids	mg/l	--	500	--	--	1320	--	1500	--	1480	--	1620	--
Total Organic Carbon	mg/l	--	--	--	--	2.8	--	2.3	--	3.2	--	2.7	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	--	0.3	--	0.18	--	0.13	--	0.09	--
Calcium, dissolved	mg/l	--	--	--	--	141	--	158	--	154	--	161	--
Iron, dissolved	mg/l	--	0.3	--	--	0.55	--	0.6	--	0.29	--	0.22	--
Magnesium, dissolved	mg/l	--	--	--	--	43	--	48	--	48	--	46	--
Potassium, dissolved	mg/l	--	--	--	--	3	--	4	--	4	--	3	--
Sodium, dissolved	mg/l	--	200 [10]	--	--	207	--	233	--	227	--	240	--
Strontium, dissolved	mg/l	--	--	--	--	1.39	--	1.48	--	1.57	--	1.65	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-8M 09-May-2011 L-16	93-8M 02-Sep-2011 B-5	93-8M 24-May-2012 93-8M	93-8M 23-Aug-2012 93-8M
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	257	--	275	--
Ammonia Nitrogen	mg/l	--	--	--	0.04	--	0.05	--
Chemical Oxygen Demand	mg/l	--	--	--	15	--	7	--
Chloride	mg/l	--	250	--	426	--	524	--
Conductivity (Field)	uS/cm	--	--	--	1959	--	2303	2216
Hardness, Calcium Carbonate	mg/l	--	--	100	*504*	--	*570*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.11	--	0.14	--
pH (Field)	-	--	--	8.5	7.29	--	7.23	7.31
Temperature (Field)	deg c	--	15	--	11.3	--	11.2	12.2
Total Dissolved Solids	mg/l	--	500	--	1280	--	1490	--
Total Organic Carbon	mg/l	--	--	--	2.8	--	2.6	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.21	--	0.11	--
Calcium, dissolved	mg/l	--	--	--	136	--	154	--
Iron, dissolved	mg/l	--	0.3	--	0.07	--	0.27	--
Magnesium, dissolved	mg/l	--	--	--	40	--	45	--
Potassium, dissolved	mg/l	--	--	--	3	--	3	--
Sodium, dissolved	mg/l	--	200 [10]	--	171	--	237	--
Strontium, dissolved	mg/l	--	--	--	1.30	--	1.47	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-8S 13-May-2002	93-8S 16-Sep-2002	93-8S 27-Apr-2003	93-8S 24-Sep-2003	93-8S 18-Apr-2004	93-8S 23-Sep-2004	93-8S 20-May-2005	93-8S 28-Sep-2005	93-8S 18-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	311	--	286	--	290	--	292	--	315
Ammonia Nitrogen	mg/l	--	--	--	0.03	--	<0.02	--	<0.03	--	0.05	--	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	9	--	<5	--	8	--	5	--	<5
Chloride	mg/l	--	250	--	317	--	527	--	473	--	437	--	435
Conductivity (Field)	uS/cm	--	--	--	1730	1600	1310	1500	1600	1510	1650	3110	1900
Hardness, Calcium Carbonate	mg/l	--	--	100	*490*	--	*706*	--	*531.1*	--	*553*	--	*561*
Nitrogen, Organic	mg/l	--	--	0.15	*0.17*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.2	--	0.18	--	0.09	--	0.06	--	0.07
pH (Field)	-	--	--	8.5	6.9	7.2	7.1	7.6	7.1	6.8	7	7	7.5
Temperature (Field)	deg c	--	15	--	10	11.5	10	10.5	8.8	12	11.3	10	11
Total Dissolved Solids	mg/l	--	500	--	1120	--	1510	--	1278	--	--	--	1340
Total Organic Carbon	mg/l	--	--	--	2.3	--	3.8	--	2	--	--	--	<0.5
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	2.4	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	0.12	--	0.07	--	0.12	--	0.09	--	0.1
Calcium, dissolved	mg/l	--	--	--	127	--	182	--	134	--	144	--	144
Iron, dissolved	mg/l	--	0.3	--	0.18	--	0.22	--	0.11	--	0.17	--	0.3
Magnesium, dissolved	mg/l	--	--	--	42	--	61	--	47.2	--	47	--	49
Potassium, dissolved	mg/l	--	--	--	2	--	3	--	3.3	--	3	--	4
Sodium, dissolved	mg/l	--	200 [10]	--	126	--	223	--	133	--	162	--	169
Strontium, dissolved	mg/l	--	--	--	1.7	--	1.96	--	1.23	--	1.42	--	1.61

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	93-8S 28-Sep-2006	93-8S 15-May-2007	93-8S 25-Sep-2007	93-8S 28-May-2008	93-8S 28-Sep-2008	93-8S 05-Jun-2009 C-6	93-8S 10-Sep-2009 A-6	93-8S 10-May-2010 M-12	93-8S 31-Aug-2010 B-13
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	308	--	302	--	309	--	311	--
Ammonia Nitrogen	mg/l	--	--	--	--	<0.02	--	<0.02	--	<0.02	--	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	--	69	--	<5	--	13	--	5	--
Chloride	mg/l	--	250	--	--	437	--	415	--	373	--	429	--
Conductivity (Field)	uS/cm	--	--	--	1500	1710	1700	2030	1450	1838	2334	2187	2296
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*599*	--	*613*	--	*533*	--	*542*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.16	--	<0.1	--	0.21	--	0.15	--
pH (Field)	-	--	--	8.5	7.2	7.4	7.5	7.1	7.2	7.16	7.26	7.19	7.05
Temperature (Field)	deg c	--	15	--	11	10	13	11	9	8.8	11.6	8.5	12.3
Total Dissolved Solids	mg/l	--	500	--	--	1330	--	1320	--	1220	--	1340	--
Total Organic Carbon	mg/l	--	--	--	--	2.2	--	2.2	--	2.9	--	1.9	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	--	0.15	--	0.1	--	0.08	--	0.07	--
Calcium, dissolved	mg/l	--	--	--	--	154	--	158	--	136	--	141	--
Iron, dissolved	mg/l	--	0.3	--	--	0.45	--	0.37	--	0.21	--	0.35	--
Magnesium, dissolved	mg/l	--	--	--	--	52	--	53	--	47	--	46	--
Potassium, dissolved	mg/l	--	--	--	--	3	--	4	--	4	--	3	--
Sodium, dissolved	mg/l	--	200 [10]	--	--	175	--	185	--	175	--	192	--
Strontium, dissolved	mg/l	--	--	--	--	1.51	--	1.43	--	1.28	--	1.28	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	93-8S 09-May-2011 M-8	93-8S 02-Sep-2011 B-6	93-8S 24-May-2012 93-8S	93-8S 23-Aug-2012 93-8S
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	340	--	305	--
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	10	--	5	--
Chloride	mg/l	--	250	--	319	--	503	--
Conductivity (Field)	uS/cm	--	--	--	1671	--	2050	1637
Hardness, Calcium Carbonate	mg/l	--	--	100	*465*	--	*569*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	--	0.32	--
pH (Field)	-	--	--	8.5	7.28	--	7.89	7.31
Temperature (Field)	deg c	--	15	--	10.1	--	10.0	13.9
Total Dissolved Solids	mg/l	--	500	--	1130	--	1510	--
Total Organic Carbon	mg/l	--	--	--	2.3	--	2.4	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.14	--	0.08	--
Calcium, dissolved	mg/l	--	--	--	122	--	147	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	39	--	49	--
Potassium, dissolved	mg/l	--	--	--	3	--	3	--
Sodium, dissolved	mg/l	--	200 [10]	--	146	--	232	--
Strontium, dissolved	mg/l	--	--	--	1.03	--	1.02	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	94-1D 15-May-2002	94-1D 26-Apr-2003	94-1D 14-Apr-2004	94-1D 27-May-2005
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	330	329	320	314
Ammonia Nitrogen	mg/L	--	--	--	0.02	0.12	<0.03	0.04
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	<5
Chloride	mg/l	--	250	--	2	2	2	3
Conductivity	uS/cm	--	--	--	686	545	710	450
Hardness, Calcium Carbonate	mg/l	--	--	100	*299*	*338*	*355.1*	*332*
Nitrogen, Organic	mg/l	--	--	0.15	0.15	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.17	0.15	0.11	<0.05
pH	-	--	--	8.5	6.6	6.8	6.7	7.7
Temperature	deg c	--	15	--	8	9	5	7.5
Total Dissolved Solids	mg/l	--	500	--	446	438	376	413
Total Organic Carbon	mg/l	--	--	--	0.8	1.3	1.4	0.9
Metals								
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.02	0.02
Calcium, dissolved	mg/l	--	--	--	62	76	83.9	82
Iron, dissolved	mg/l	--	0.3	--	0.01	0.21	0.02	<0.01
Magnesium, dissolved	mg/l	--	--	--	35	36	35.3	31
Potassium, dissolved	mg/l	--	--	--	2	2	<1	1
Sodium, dissolved	mg/l	--	200 [10]	--	34	15	7.7	3
Strontium, dissolved	mg/l	--	--	--	0.178	0.162	0.166	0.123

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	94-1S 15-May-2002	94-1S 26-Apr-2003	94-1S 14-Apr-2004	94-1S 27-May-2005
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	341	354	335	308
Ammonia Nitrogen	mg/L	--	--	--	0.09	0.06	<0.03	0.07
Chemical Oxygen Demand	mg/l	--	--	--	7	<5	<5	<5
Chloride	mg/l	--	250	--	6	9	2.9	3
Conductivity	uS/cm	--	--	--	620	580	610	470
Hardness, Calcium Carbonate	mg/l	--	--	100	*343*	*331*	*365.8*	*318*
Nitrogen, Organic	mg/l	--	--	0.15	0.08	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.17	0.22	0.11	0.19
pH	-	--	--	8.5	6.3	6.6	7.1	7.5
Temperature	deg c	--	15	--	10	9	4	7
Total Dissolved Solids	mg/l	--	500	--	506	540	398	412
Total Organic Carbon	mg/l	--	--	--	1.3	1.7	2.8	0.9
Metals								
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.01	0.03
Calcium, dissolved	mg/l	--	--	--	83	78	87.9	78
Iron, dissolved	mg/l	--	0.3	--	<0.01	0.6	0.07	0.27
Magnesium, dissolved	mg/l	--	--	--	33	33	35.5	30
Potassium, dissolved	mg/l	--	--	--	2	2	1	1
Sodium, dissolved	mg/l	--	200 [10]	--	38	59	12.9	32
Strontium, dissolved	mg/l	--	--	--	0.103	0.208	0.138	0.17

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-2D 07-May-2002	98-2D 27-Apr-2003	98-2D 12-Apr-2004	98-2D 15-May-2005	98-2D 25-May-2006	98-2D 09-May-2007	98-2D 24-May-2008	98-2D 05-Jun-2009 B-11	98-2D 13-May-2010 A-22	98-2D 10-May-2011 A-19
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	--	710	785	795	425	410	550	400	598	639
pH (Field)	-	--	--	8.5	--	7.2	6.9	7.3	6.8	6.9	7.4	7.1	6.75	6.66
Temperature (Field)	deg c	--	15	--	--	10	7	9	12	10	11	6.5	10.3	11.4

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-2D 24-May-2012 98-2D
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	742
pH (Field)	-	--	--	8.5	6.81
Temperature (Field)	deg c	--	15	--	11.7

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-3D 07-May-2002	98-3D 03-May-2003	98-3D 15-Apr-2004	98-3D 22-May-2005	98-3D 18-May-2006	98-3D 15-May-2007	98-3D 28-May-2008	98-3D 05-Jun-2009 A-15	98-3D 10-May-2010 M-1
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	382	421	415	419	438	343	311	396	420
Ammonia Nitrogen	mg/L	--	--	--	2.02	4.9	3.57	4.31	4.61	2.55	2.38	4.18	5.42
Chemical Oxygen Demand	mg/l	--	--	--	27	30	34	30	16	17	12	20	23
Chloride	mg/l	--	250	--	38	17	14.8	21	21	15	15	13	16
Conductivity (Field)	uS/cm	--	--	--	814	856	610	600	725	700	679	525	911
Hardness, Calcium Carbonate	mg/l	--	--	100	*378*	*476*	*393.5*	*408*	*398*	*338*	*321*	*387*	*395*
Nitrogen, Organic	mg/l	--	--	0.15	*1.16*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	3.18	5.46	4.05	5.4	5.22	3.07	2.52	4.12	5.43
pH (Field)	-	--	--	8.5	6.6	6.8	6.9	6.9	7	7.1	7.3	6.7	6.49
Temperature (Field)	deg c	--	15	--	8	11	5	8	12	10	11	8.5	9.9
Total Dissolved Solids	mg/l	--	500	--	529	556	458	567	588	461	441	523	533
Total Organic Carbon	mg/l	--	--	--	10.5	10.5	9.9	8.5	8.9	7.3	6.5	8.7	9.6
Metals													
Boron, dissolved	mg/l	5	--	--	0.23	0.41	0.26	0.37	0.34	0.28	0.19	0.22	0.29
Calcium, dissolved	mg/l	--	--	--	107	138	112	119	115	99	94	112	117
Iron, dissolved	mg/l	--	0.3	--	5.03	8.48	6	3.23	2.8	3.37	3	3.12	5.89
Magnesium, dissolved	mg/l	--	--	--	27	32	27.3	27	27	22	21	26	25
Potassium, dissolved	mg/l	--	--	--	6	7	5.8	7	7	5	5	6	7
Sodium, dissolved	mg/l	--	200 [10]	--	17	19	16	21	21	15	14	18	18
Strontium, dissolved	mg/l	--	--	--	0.309	0.349	0.347	0.336	0.332	0.321	0.223	0.300	0.346

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-3D 06-May-2011 L-22	98-3D 23-May-2012 98-3D
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	342	406
Ammonia Nitrogen	mg/L	--	--	--	2.21	3.60
Chemical Oxygen Demand	mg/l	--	--	--	25	21
Chloride	mg/l	--	250	--	8	10
Conductivity (Field)	uS/cm	--	--	--	695	795
Hardness, Calcium Carbonate	mg/l	--	--	100	*317*	*269*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.41	4.00
pH (Field)	-	--	--	8.5	6.56	6.53
Temperature (Field)	deg c	--	15	--	10.7	11.7
Total Dissolved Solids	mg/l	--	500	--	431	500
Total Organic Carbon	mg/l	--	--	--	6.5	7.8
Metals						
Boron, dissolved	mg/l	5	--	--	0.18	0.21
Calcium, dissolved	mg/l	--	--	--	94	78
Iron, dissolved	mg/l	--	0.3	--	4.79	5.84
Magnesium, dissolved	mg/l	--	--	--	20	18
Potassium, dissolved	mg/l	--	--	--	4	4
Sodium, dissolved	mg/l	--	200 [10]	--	10	9
Strontium, dissolved	mg/l	--	--	--	0.264	0.319

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	98-3M 07-May-2002	98-3M 03-May-2003	98-3M 15-Apr-2004	98-3M 22-May-2005	98-3M 18-May-2006	98-3M 15-May-2007	98-3M 28-May-2008	98-3M 05-Jun-2009 A-16	98-3M 10-May-2010 M-4
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	311	424	325	344	361	297	269	317	372
Ammonia Nitrogen	mg/L	--	--	--	0.06	0.06	<0.03	0.12	0.04	<0.02	<0.02	0.05	0.06
Chemical Oxygen Demand	mg/l	--	--	--	12	18	14	<5	<5	<5	9	<5	8
Chloride	mg/l	--	250	--	12	17	10.2	12	8	5	4	7	11
Conductivity (Field)	uS/cm	--	--	--	657	864	800	500	550	410	566	400	777
Hardness, Calcium Carbonate	mg/l	--	--	100	*285*	*419*	*309.7*	*334*	*342*	*307*	*293*	*311*	*329*
Nitrogen, Organic	mg/l	--	--	0.15	*0.26*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.32	0.29	0.19	0.14	0.23	0.1	0.14	<0.10	0.11
pH (Field)	-	--	--	8.5	6.5	7.1	7.2	7	7.5	7.3	7.4	7.2	7.03
Temperature (Field)	deg c	--	15	--	8	11.5	4	9	11	7	10	7.5	9.7
Total Dissolved Solids	mg/l	--	500	--	427	562	380	460	474	390	368	421	468
Total Organic Carbon	mg/l	--	--	--	4.2	6.1	3.1	2.6	2.8	2.1	2	3.4	4.0
Metals													
Boron, dissolved	mg/l	5	--	--	0.36	0.96	0.41	0.48	0.53	0.2	0.17	0.25	0.60
Calcium, dissolved	mg/l	--	--	--	81	115	87.6	96	99	90	86	90	97
Iron, dissolved	mg/l	--	0.3	--	0.02	0.39	<0.01	0.02	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	20	32	22	23	23	20	19	21	21
Potassium, dissolved	mg/l	--	--	--	2	2	1.3	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	27	49	25.9	27	22	15	14	17	23
Strontium, dissolved	mg/l	--	--	--	1.8	2.81	1.28	1.42	1.36	0.997	0.874	1.09	1.45

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-3M 06-May-2011 L-21	98-3M 23-May-2012 98-3M
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	298	374
Ammonia Nitrogen	mg/L	--	--	--	0.05	0.05
Chemical Oxygen Demand	mg/l	--	--	--	10	<5
Chloride	mg/l	--	250	--	3	8
Conductivity (Field)	uS/cm	--	--	--	577	719
Hardness, Calcium Carbonate	mg/l	--	--	100	*288*	*259*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	0.18
pH (Field)	-	--	--	8.5	7.17	7.15
Temperature (Field)	deg c	--	15	--	12.1	11.4
Total Dissolved Solids	mg/l	--	500	--	371	469
Total Organic Carbon	mg/l	--	--	--	2.0	3.9
Metals						
Boron, dissolved	mg/l	5	--	--	0.14	0.55
Calcium, dissolved	mg/l	--	--	--	84	74
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	19	18
Potassium, dissolved	mg/l	--	--	--	2	1
Sodium, dissolved	mg/l	--	200 [10]	--	10	18
Strontium, dissolved	mg/l	--	--	--	0.885	1.47

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	98-3S 07-May-2002	98-3S 03-May-2003	98-3S 15-Apr-2004	98-3S 22-May-2005	98-3S 18-May-2006	98-3S 15-May-2007	98-3S 28-May-2008	98-3S 05-Jun-2009 A-17	98-3S 10-May-2010 M-8
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	191	223	202	249	263	234	235	266	263
Ammonia Nitrogen	mg/L	--	--	--	0.04	<0.02	<0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	14	<5	16	<5	<5	<5	<5	<5	<5
Chloride	mg/l	--	250	--	5	6	4	7	3	3	4	3	5
Conductivity (Field)	uS/cm	--	--	--	426	463	480	420	390	410	465	375	519
Hardness, Calcium Carbonate	mg/l	--	--	100	*213*	*259*	*217.5*	*253*	*258*	*237*	*253*	*255*	*256*
Nitrogen, Organic	mg/l	--	--	0.15	*0.23*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.27	0.1	0.32	0.08	0.11	<0.05	<0.1	<0.10	<0.10
pH (Field)	-	--	--	8.5	6.7	7.3	7	7.2	7.2	7.2	7.3	7.1	7.14
Temperature (Field)	deg c	--	15	--	9	11	5	9	12	11	13	6.0	9.9
Total Dissolved Solids	mg/l	--	500	--	277	301	228	316	328	291	302	328	321
Total Organic Carbon	mg/l	--	--	--	6.5	2	2.8	0.5	1.4	1.6	1.8	2.8	1.5
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	0.12	0.01	0.05	0.03	0.03	0.03	0.03	0.04
Calcium, dissolved	mg/l	--	--	--	54	64	56.5	65	67	62	65	66	68
Iron, dissolved	mg/l	--	0.3	--	0.02	0.01	<0.01	0.01	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	19	24	18.5	22	22	20	22	22	21
Potassium, dissolved	mg/l	--	--	--	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sodium, dissolved	mg/l	--	200 [10]	--	3	2	3.3	3	3	3	3	<2	3
Strontium, dissolved	mg/l	--	--	--	0.07	0.081	0.07	0.095	0.09	0.076	0.081	0.097	0.112

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-3S 06-May-2011 L-20	98-3S 23-May-2012 98-3S
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	234	275
Ammonia Nitrogen	mg/L	--	--	--	0.03	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	10	<5
Chloride	mg/l	--	250	--	2	3
Conductivity (Field)	uS/cm	--	--	--	436	521
Hardness, Calcium Carbonate	mg/l	--	--	100	*240*	*214*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	<0.10
pH (Field)	-	--	--	8.5	6.97	7.09
Temperature (Field)	deg c	--	15	--	12.5	10.3
Total Dissolved Solids	mg/l	--	500	--	279	331
Total Organic Carbon	mg/l	--	--	--	2.5	1.9
Metals						
Boron, dissolved	mg/l	5	--	--	0.02	0.03
Calcium, dissolved	mg/l	--	--	--	63	56
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	20	18
Potassium, dissolved	mg/l	--	--	--	<1	<1
Sodium, dissolved	mg/l	--	200 [10]	--	<2	2
Strontium, dissolved	mg/l	--	--	--	0.075	0.113

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	98-5D 07-May-2002	98-5D 27-Apr-2003	98-5D 15-Apr-2004	98-5D 22-May-2005	98-5D 18-May-2006	98-5D 10-May-2007	98-5D 28-May-2008	98-5D 05-Jun-2009 A-18	98-5D 13-May-2010 B-1
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	298	291	303	301	286	301	308	295	282
Ammonia Nitrogen	mg/L	--	--	--	0.07	0.02	<0.03	0.03	0.04	0.03	0.03	0.04	0.02
Chemical Oxygen Demand	mg/l	--	--	--	10	<5	9	<5	<5	9	<5	8	5
Chloride	mg/l	--	250	--	14	13	13.1	13	9	13	12	12	15
Conductivity (Field)	uS/cm	--	--	--	632	615	590	420	450	480	643	425	682
Hardness, Calcium Carbonate	mg/l	--	--	100	*299*	*308*	*325.1*	*329*	*284*	*323*	*331*	*310*	*279*
Nitrogen, Organic	mg/l	--	--	0.15	0.13	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.2	0.14	0.16	0.16	0.11	0.33	<0.1	0.11	<0.10
pH (Field)	-	--	--	8.5	7	7.1	7	7	7.5	7.4	7.3	7.3	6.92
Temperature (Field)	deg c	--	15	--	8	9	6	8	10	10	12	7.0	9.9
Total Dissolved Solids	mg/l	--	500	--	411	389	354	407	384	408	418	398	385
Total Organic Carbon	mg/l	--	--	--	3.7	3	2.9	2.1	2.4	3.2	3.2	3.7	3.4
Metals													
Boron, dissolved	mg/l	5	--	--	0.07	<0.05	0.08	0.09	0.08	0.09	0.09	0.07	0.07
Calcium, dissolved	mg/l	--	--	--	90	92	95.3	97	84	98	98	91	82
Iron, dissolved	mg/l	--	0.3	--	0.04	0.08	0.07	0.21	<0.03	0.18	0.08	<0.03	0.05
Magnesium, dissolved	mg/l	--	--	--	18	19	21.1	21	18	19	21	20	18
Potassium, dissolved	mg/l	--	--	--	2	2	1.3	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	8	9	9	10	10	10	11	10	10
Strontium, dissolved	mg/l	--	--	--	0.756	0.797	0.774	0.862	0.788	0.895	0.887	0.834	0.903

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-5D 10-May-2011 A-6	98-5D 23-May-2012 98-5D
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	310	311
Ammonia Nitrogen	mg/L	--	--	--	<0.02	0.04
Chemical Oxygen Demand	mg/l	--	--	--	10	6
Chloride	mg/l	--	250	--	16	17
Conductivity (Field)	uS/cm	--	--	--	651	649
Hardness, Calcium Carbonate	mg/l	--	--	100	*346*	*243*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	0.11
pH (Field)	-	--	--	8.5	7.16	7.22
Temperature (Field)	deg c	--	15	--	11.3	11.3
Total Dissolved Solids	mg/l	--	500	--	400	415
Total Organic Carbon	mg/l	--	--	--	3.3	3.3
Metals						
Boron, dissolved	mg/l	5	--	--	0.07	0.10
Calcium, dissolved	mg/l	--	--	--	104	71
Iron, dissolved	mg/l	--	0.3	--	<0.03	0.05
Magnesium, dissolved	mg/l	--	--	--	21	16
Potassium, dissolved	mg/l	--	--	--	2	1
Sodium, dissolved	mg/l	--	200 [10]	--	10	8
Strontium, dissolved	mg/l	--	--	--	0.899	0.922

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	98-5M 07-May-2002	98-5M 27-Apr-2003	98-5M 15-Apr-2004	98-5M 22-May-2005	98-5M 18-May-2006	98-5M 10-May-2007	98-5M 28-May-2008	98-5M 05-Jun-2009 B-1	98-5M 13-May-2010 A-6
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	282	285	305	304	310	303	288	291	331
Ammonia Nitrogen	mg/L	--	--	--	0.04	<0.02	<0.03	<0.02	<0.02	0.1	<0.02	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	8	6	12	<5	<5	11	<5	13	10
Chloride	mg/l	--	250	--	11	13	11.4	10	7	7	8	6	12
Conductivity (Field)	uS/cm	--	--	--	629	620	480	520	500	500	632	475	667
Hardness, Calcium Carbonate	mg/l	--	--	100	*304*	*325*	*332.1*	*333*	*320*	*333*	*325*	*319*	*322*
Nitrogen, Organic	mg/l	--	--	0.15	*0.41*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.45	0.33	0.3	0.18	0.42	0.46	0.29	<0.10	0.27
pH (Field)	-	--	--	8.5	6.8	6.9	6.8	7	6.8	6.9	6.9	7.3	6.75
Temperature (Field)	deg c	--	15	--	9	10	6	10	10	10	12	7.5	9.4
Total Dissolved Solids	mg/l	--	500	--	409	396	360	387	420	406	411	389	434
Total Organic Carbon	mg/l	--	--	--	4.5	2.9	3.1	2.3	3	3.5	3.4	4.3	4.0
Metals													
Boron, dissolved	mg/l	5	--	--	0.05	<0.05	0.05	0.06	0.06	0.05	0.04	0.04	0.06
Calcium, dissolved	mg/l	--	--	--	87	94	98.1	97	95	102	97	93	96
Iron, dissolved	mg/l	--	0.3	--	<0.01	<0.01	<0.01	0.02	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	21	22	21.1	22	20	19	20	21	20
Potassium, dissolved	mg/l	--	--	--	1	1	<1	1	1	1	1	1	1
Sodium, dissolved	mg/l	--	200 [10]	--	8	8	8.8	9	8	7	7	7	8
Strontium, dissolved	mg/l	--	--	--	0.13	0.135	0.136	0.149	0.146	0.122	0.128	0.119	0.159

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-5M 10-May-2011 A-11	98-5M 23-May-2012 98-5M
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	299	314
Ammonia Nitrogen	mg/L	--	--	--	0.04	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	5	<5
Chloride	mg/l	--	250	--	6	7
Conductivity (Field)	uS/cm	--	--	--	575	617
Hardness, Calcium Carbonate	mg/l	--	--	100	*325*	*246*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	0.21
pH (Field)	-	--	--	8.5	6.94	6.91
Temperature (Field)	deg c	--	15	--	10.9	11.9
Total Dissolved Solids	mg/l	--	500	--	370	405
Total Organic Carbon	mg/l	--	--	--	3.3	3.6
Metals						
Boron, dissolved	mg/l	5	--	--	0.03	0.06
Calcium, dissolved	mg/l	--	--	--	97	72
Iron, dissolved	mg/l	--	0.3	--	<0.03	0.04
Magnesium, dissolved	mg/l	--	--	--	20	16
Potassium, dissolved	mg/l	--	--	--	1	1
Sodium, dissolved	mg/l	--	200 [10]	--	5	5
Strontium, dissolved	mg/l	--	--	--	0.133	0.151

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	98-5S 07-May-2002	98-5S 27-Apr-2003	98-5S 15-Apr-2004	98-5S 22-May-2005	98-5S 18-May-2006	98-5S 10-May-2007	98-5S 28-May-2008	98-5S 05-Jun-2009 B-2	98-5S 13-May-2010 A-2
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	254	226	267	260	287	270	263	279	267
Ammonia Nitrogen	mg/L	--	--	--	0.04	0.04	<0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	13	<5	19	8	<5	8	<5	5	5
Chloride	mg/l	--	250	--	11	13	8.6	8	6	7	8	6	8
Conductivity (Field)	uS/cm	--	--	--	594	590	410	480	450	390	573	500	568
Hardness, Calcium Carbonate	mg/l	--	--	100	*295*	*267*	*303.4*	*295*	*304*	*304*	*289*	*305*	*261*
Nitrogen, Organic	mg/l	--	--	0.15	*0.32*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.36	0.22	0.38	0.14	0.18	0.27	0.21	<0.10	<0.10
pH (Field)	-	--	--	8.5	6.8	6.6	6.7	6.9	6.9	7	7.1	6.9	6.9
Temperature (Field)	deg c	--	15	--	10	11	6	9	10	9	12	6.0	9.2
Total Dissolved Solids	mg/l	--	500	--	386	339	330	343	391	372	372	371	358
Total Organic Carbon	mg/l	--	--	--	3.4	1.9	3.4	2.5	2.7	2.5	3.1	3.5	2.2
Metals													
Boron, dissolved	mg/l	5	--	--	0.06	<0.05	0.05	0.06	0.06	0.05	0.05	0.05	0.04
Calcium, dissolved	mg/l	--	--	--	82	74	86.4	82	87	87	81	86	73
Iron, dissolved	mg/l	--	0.3	--	0.01	<0.01	<0.01	0.02	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	22	20	21.2	22	21	21	21	22	19
Potassium, dissolved	mg/l	--	--	--	<1	<1	<1	<1	1	<1	<1	1	<1
Sodium, dissolved	mg/l	--	200 [10]	--	9	7	7.6	8	7	6	6	6	5
Strontium, dissolved	mg/l	--	--	--	0.136	0.109	0.144	0.135	0.121	0.126	0.126	0.124	0.131

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-5S 10-May-2011 A-13	98-5S 23-May-2012 98-5S
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	316	281
Ammonia Nitrogen	mg/L	--	--	--	<0.02	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	8	<5
Chloride	mg/l	--	250	--	12	8
Conductivity (Field)	uS/cm	--	--	--	635	568
Hardness, Calcium Carbonate	mg/l	--	--	100	*375*	*228*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	0.25
pH (Field)	-	--	--	8.5	6.92	7.00
Temperature (Field)	deg c	--	15	--	10.6	10.9
Total Dissolved Solids	mg/l	--	500	--	406	378
Total Organic Carbon	mg/l	--	--	--	2.6	2.3
Metals						
Boron, dissolved	mg/l	5	--	--	0.05	0.04
Calcium, dissolved	mg/l	--	--	--	109	65
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	25	16
Potassium, dissolved	mg/l	--	--	--	1	<1
Sodium, dissolved	mg/l	--	200 [10]	--	7	4
Strontium, dissolved	mg/l	--	--	--	0.171	0.133

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-6D 04-Jun-2006	98-6D 06-May-2011 L-33
General Chemistry						
Conductivity (Field)	uS/cm	--	--	--	705	1438
pH (Field)	-	--	--	8.5	7.1	6.76
Temperature (Field)	deg c	--	15	--	8	12.0

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	98-7D 04-Jun-2006
General Chemistry					
Conductivity	uS/cm	--	--	--	725
Nitrate	mg/L	-- [13]	--	--	<0.1
pH	-	--	--	8.5	7.3
Temperature	deg c	--	15	--	9

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-7M 28-Sep-2006	98-7M 06-May-2011 L-26
General Chemistry						
Conductivity (Field)	uS/cm	--	--	--	550	1054
pH (Field)	-	--	--	8.5	7.3	7.07
Temperature (Field)	deg c	--	15	--	11	13.2

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-8D 08-May-2002	98-8D 03-May-2003	98-8D 18-Apr-2004	98-8D 02-Jun-2009 [18] 98-8D	98-8D 06-May-2011 [18] 98-8D	98-8D 23-May-2012 [18] 98-8D
General Chemistry										
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	237	232	233	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	0.06	0.03	0.04	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	19	18	13	--	--	--
Chloride	mg/l	--	250	--	41	40	43.2	--	--	--
Conductivity	uS/cm	--	--	--	642	604	540	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	7	7	13	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.34*	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.4	0.25	0.23	--	--	--
pH	-	--	--	8.5	6.8	*8.7*	8.3	--	--	--
Temperature	deg c	--	15	--	7	11	8.9	--	--	--
Total Dissolved Solids	mg/l	--	500	--	417	393	350	--	--	--
Total Organic Carbon	mg/l	--	--	--	7	5.8	5.5	--	--	--
Metals										
Boron, dissolved	mg/l	5	--	--	2.35	2.43	2.22	--	--	--
Calcium, dissolved	mg/l	--	--	--	3	3	4.23	--	--	--
Iron, dissolved	mg/l	--	0.3	--	0.01	0.05	0.02	--	--	--
Magnesium, dissolved	mg/l	--	--	--	<1	<1	0.59	--	--	--
Potassium, dissolved	mg/l	--	--	--	<1	1	<1	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	137	150	136	--	--	--
Strontium, dissolved	mg/l	--	--	--	0.039	0.041	0.037	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	98-8M 08-May-2002	98-8M 03-May-2003	98-8M 18-Apr-2004	98-8M 23-May-2005	98-8M 04-Jun-2006	98-8M 15-May-2007	98-8M 25-May-2008	98-8M 05-Jun-2009 C-1	98-8M 05-Jun-2009 C-1
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	339	510	373	394	377	402	423	361	--
Ammonia Nitrogen	mg/l	--	--	--	0.04	0.08	<0.03	0.04	0.03	0.03	0.04	0.03	--
Chemical Oxygen Demand	mg/l	--	--	--	18	33	18	15	18	26	8	18	--
Chloride	mg/l	--	250	--	45	48	39.9	41	39	35	35	41	--
Conductivity (Field)	uS/cm	--	--	--	846	1160	780	600	610	700	1020	896	--
Hardness, Calcium Carbonate	mg/l	--	--	100	40	74	67.5	49	41	61	67	41	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.38*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.42	0.45	0.31	0.27	0.29	0.25	0.33	<0.10	--
pH (Field)	-	--	--	8.5	6.8	8.3	7.8	7.1	7.2	7.4	7.5	8.24	--
Temperature (Field)	deg c	--	15	--	9	10	10.2	10	8	8	11	10.4	--
Total Dissolved Solids	mg/l	--	500	--	550	754	558	582	515	616	663	581	--
Total Organic Carbon	mg/l	--	--	--	6.9	10.1	8.2	5.9	6.4	6.8	6.7	6.9	--
Metals													
Boron, dissolved	mg/l	5	--	--	2.02	2.32	1.9	2.25	2.23	1.93	1.7	1.9	--
Calcium, dissolved	mg/l	--	--	--	11	18	19.7	13	10	16	17	10	--
Iron, dissolved	mg/l	--	0.3	--	0.01	0.02	0.04	0.02	<0.03	<0.03	<0.03	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	3	7	4.42	4	4	5	6	4	--
Potassium, dissolved	mg/l	--	--	--	2	3	1.8	2	2	2	2	2	--
Sodium, dissolved	mg/l	--	200 [10]	--	186	297	191	211	208	210	255	198	--
Strontium, dissolved	mg/l	--	--	--	0.165	0.285	0.225	0.252	0.202	0.318	0.34	0.185	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-8M 10-May-2010 M-3	98-8M 09-May-2011 [17] M-5	98-8M 23-May-2012 98-8M
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	329	430	371
Ammonia Nitrogen	mg/l	--	--	--	<0.02	0.08	0.03
Chemical Oxygen Demand	mg/l	--	--	--	13	45	17
Chloride	mg/l	--	250	--	41	26	31
Conductivity (Field)	uS/cm	--	--	--	832	928	856
Hardness, Calcium Carbonate	mg/l	--	--	100	26	*102*	41
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.38	0.22	0.21
pH (Field)	-	--	--	8.5	*8.68*	7.85	8.42
Temperature (Field)	deg c	--	15	--	9.3	14.7	12.9
Total Dissolved Solids	mg/l	--	500	--	513	586	558
Total Organic Carbon	mg/l	--	--	--	5.7	6.6	5.2
Metals							
Boron, dissolved	mg/l	5	--	--	2.1	1.2	1.7
Calcium, dissolved	mg/l	--	--	--	7	26	10
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.3	<0.03
Magnesium, dissolved	mg/l	--	--	--	2	9	4
Potassium, dissolved	mg/l	--	--	--	1	2	1
Sodium, dissolved	mg/l	--	200 [10]	--	153	172	162
Strontium, dissolved	mg/l	--	--	--	0.158	0.44	0.271

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-8S 08-May-2002	98-8S 03-May-2003	98-8S 18-Apr-2004	98-8S 23-May-2005	98-8S 18-May-2006	98-8S 15-May-2007	98-8S 25-May-2008	98-8S 05-Jun-2009 C-2	98-8S 10-May-2010 M-2
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	289	386	418	393	446	373	360	429	406
Ammonia Nitrogen	mg/L	--	--	--	0.3	0.27	0.25	0.29	0.23	0.2	0.27	0.28	0.35
Chemical Oxygen Demand	mg/l	--	--	--	30	16	19	19	11	10	14	15	15
Chloride	mg/l	--	250	--	31	10	10.8	12	7	12	15	9	11
Conductivity (Field)	uS/cm	--	--	--	675	775	700	580	650	610	710	751	813
Hardness, Calcium Carbonate	mg/l	--	--	100	*108*	*408*	*422.7*	*267*	*385*	*178*	65	35	*287*
Nitrogen, Organic	mg/l	--	--	0.15	*0.31*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.61	0.49	0.53	0.59	1.19	0.47	0.61	0.52	0.43
pH (Field)	-	--	--	8.5	6.9	7.1	6.8	7.2	7.2	7.3	7.5	6.92	6.88
Temperature (Field)	deg c	--	15	--	10	11	9.1	10	10	9	12	9.4	8.1
Total Dissolved Solids	mg/l	--	500	--	439	504	464	481	544	465	462	524	484
Total Organic Carbon	mg/l	--	--	--	6.3	5.6	7.4	4.9	5.3	5.7	6.1	5.6	5.5
Metals													
Boron, dissolved	mg/l	5	--	--	1	0.39	0.2	0.34	0.29	0.25	0.33	0.23	0.27
Calcium, dissolved	mg/l	--	--	--	30	114	119	74	108	50	16	9	82
Iron, dissolved	mg/l	--	0.3	--	0.22	3.41	1.7	1.4	0.23	0.87	<0.03	1.78	1.24
Magnesium, dissolved	mg/l	--	--	--	8	30	30.3	20	28	13	6	3	20
Potassium, dissolved	mg/l	--	--	--	1	2	1.9	2	3	2	1	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	114	24	17.1	59	25	100	174	192	34
Strontium, dissolved	mg/l	--	--	--	0.374	1.09	1.16	0.88	0.806	1.07	0.095	1.20	0.933

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-8S 09-May-2011 M-4	98-8S 23-May-2012 98-8S
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	429	397
Ammonia Nitrogen	mg/L	--	--	--	0.40	0.33
Chemical Oxygen Demand	mg/l	--	--	--	25	16
Chloride	mg/l	--	250	--	8	9
Conductivity (Field)	uS/cm	--	--	--	804	732
Hardness, Calcium Carbonate	mg/l	--	--	100	*403*	*254*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.46	0.51
pH (Field)	-	--	--	8.5	6.8	6.88
Temperature (Field)	deg c	--	15	--	10.2	10.4
Total Dissolved Solids	mg/l	--	500	--	515	484
Total Organic Carbon	mg/l	--	--	--	5.5	5.4
Metals						
Boron, dissolved	mg/l	5	--	--	0.26	0.33
Calcium, dissolved	mg/l	--	--	--	117	72
Iron, dissolved	mg/l	--	0.3	--	2.30	0.76
Magnesium, dissolved	mg/l	--	--	--	27	18
Potassium, dissolved	mg/l	--	--	--	3	2
Sodium, dissolved	mg/l	--	200 [10]	--	18	20
Strontium, dissolved	mg/l	--	--	--	0.972	0.911

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	98-9D 08-May-2002	98-9D 17-Sep-2002	98-9D 03-May-2003	98-9D 24-Sep-2003	98-9D 18-Apr-2004	98-9D 23-Sep-2004	98-9D 23-May-2005	98-9D 27-Sep-2005	98-9D 18-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	372	367	361	366	371	366	376	369	382
Alkalinity (Total as CaCO3)	mg/L	--	--	500	--	--	--	--	--	--	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	0.18	0.11	0.09	0.11	0.08	0.1	0.1	0.11	0.08
Chemical Oxygen Demand	mg/l	--	--	--	26	24	25	24	23	25	13	27	15
Chloride	mg/l	--	250	--	44	45	42	40	37.9	43	42	40	39
Conductivity (Field)	uS/cm	--	--	--	889	720	864	837	760	700	700	930	700
Hardness, Calcium Carbonate	mg/l	--	--	100	66	79	76	65	67.8	64.6	56	67	58
Nitrogen, Organic	mg/l	--	--	0.15	--	*0.37*	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.57	0.48	0.48	0.4	0.36	0.48	0.4	0.4	0.49
pH (Field)	-	--	--	8.5	6.3	8.2	8	*8.7*	7.7	6.8	7.8	7.9	8.4
Temperature (Field)	deg c	--	15	--	7	10.5	10	10.5	8.8	12	9	9	12
Total Dissolved Solids	mg/l	--	500	--	578	573	562	544	510	530	554	556	581
Total Organic Carbon	mg/l	--	--	--	10.9	8.6	9.2	9	8.7	8.8	8.2	8.6	8.2
Metals													
Boron	mg/l	5	--	--	--	--	--	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	1.42	1.43	1.53	1.67	1.36	1.37	1.34	1.59	1.67
Calcium, dissolved	mg/l	--	--	--	18	20	19	16	17.6	16.3	14	17	15
Iron, dissolved	mg/l	--	0.3	--	0.06	0.05	0.04	0.05	0.05	0.05	0.05	0.07	0.03
Magnesium, dissolved	mg/l	--	--	--	5	7	7	6	5.76	5.77	5	6	5
Potassium, dissolved	mg/l	--	--	--	2	2	2	3	1.3	2	2	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	192	213	194	190	173	184	187	175	180
Strontium, dissolved	mg/l	--	--	--	0.602	0.487	0.693	0.761	0.577	0.462	0.387	0.703	0.408

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	98-9D 28-Sep-2006	98-9D 11-May-2007	98-9D 25-Sep-2007	98-9D 25-May-2008	98-9D 28-Sep-2008	98-9D 02-Jun-2009 A-10	98-9D 10-Sep-2009 A-9	98-9D 10-May-2010 M-5	98-9D 31-Aug-2010 B-6
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	369	375	368	381	385	391	401	394	393
Alkalinity (Total as CaCO3)	mg/L	--	--	500	--	--	--	--	--	--	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	0.07	0.17	0.1	0.12	0.1	0.10	0.08	0.08	0.04
Chemical Oxygen Demand	mg/l	--	--	--	20	24	21	18	23	20	24	23	30
Chloride	mg/l	--	250	--	38	40	41	40	42	36	36	35	35
Conductivity (Field)	uS/cm	--	--	--	500	665	640	895	6	856	806	920	819
Hardness, Calcium Carbonate	mg/l	--	--	100	70	61	58	67	56	72	67	67	70
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.38	0.48	0.36	0.49	0.35	0.40	0.41	0.24	2.02
pH (Field)	-	--	--	8.5	8.2	8.1	8	8	8.1	8.14	7.89	8.1	7.38
Temperature (Field)	deg c	--	15	--	11	9	11	10	8	11.2	11.2	8.4	14.1
Total Dissolved Solids	mg/l	--	500	--	555	580	579	582	593	572	584	564	576
Total Organic Carbon	mg/l	--	--	--	9	8.7	9.5	8.6	8.9	8.9	8.7	8.7	8.4
Metals													
Boron	mg/l	5	--	--	--	--	--	--	--	--	--	--	1.5
Boron, dissolved	mg/l	5	--	--	1.2	1.38	1.56	1.4	1.19	1.3	1.4	1.4	--
Calcium, dissolved	mg/l	--	--	--	18	16	15	17	14	19	17	17	18
Iron, dissolved	mg/l	--	0.3	--	0.05	0.05	0.03	0.03	<0.03	0.05	0.03	0.04	0.04
Magnesium, dissolved	mg/l	--	--	--	6	5	5	6	5	6	6	6	6
Potassium, dissolved	mg/l	--	--	--	2	2	2	2	1	2	2	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	172	197	196	219	187	188	171	175	193
Strontium, dissolved	mg/l	--	--	--	0.7	0.352	0.494	0.558	0.479	0.805	0.774	0.697	0.694

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-9D 09-May-2011 M-7	98-9D 02-Sep-2011 B-12	98-9D 23-May-2012 98-9D	98-9D 23-Aug-2012 98-9D
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	423	415	415	--
Alkalinity (Total as CaCO3)	mg/L	--	--	500	--	--	--	422
Ammonia Nitrogen	mg/l	--	--	--	0.06	0.08	0.08	0.08
Chemical Oxygen Demand	mg/l	--	--	--	20	20	20	20
Chloride	mg/l	--	250	--	35	36	33	33
Conductivity (Field)	uS/cm	--	--	--	929	--	886	794
Hardness, Calcium Carbonate	mg/l	--	--	100	79	70	56	75
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.35	0.33	0.48	0.36
pH (Field)	-	--	--	8.5	8.18	--	8.18	8.30
Temperature (Field)	deg c	--	15	--	8.4	--	11.4	10.7
Total Dissolved Solids	mg/l	--	500	--	596	584	578	581
Total Organic Carbon	mg/l	--	--	--	8.7	8.7	8.6	8.3
Metals								
Boron	mg/l	5	--	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	1.4	1.3	1.5	1.6
Calcium, dissolved	mg/l	--	--	--	20	18	14	20
Iron, dissolved	mg/l	--	0.3	--	<0.03	0.04	0.04	0.04
Magnesium, dissolved	mg/l	--	--	--	7	6	5	6
Potassium, dissolved	mg/l	--	--	--	2	2	1	2
Sodium, dissolved	mg/l	--	200 [10]	--	183	205	166	190
Strontium, dissolved	mg/l	--	--	--	0.681	0.647	0.761	0.746

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-9M 08-May-2002	98-9M 17-Sep-2002	98-9M 03-May-2003	98-9M 24-Sep-2003	98-9M 18-Apr-2004	98-9M 23-Sep-2004	98-9M 23-May-2005	98-9M 27-Sep-2005	98-9M 18-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	420	422	426	434	415	422	437	438	431
Ammonia Nitrogen	mg/l	--	--	--	0.81	1.53	1.08	1.29	0.42	1	1.01	0.84	1
Chemical Oxygen Demand	mg/l	--	--	--	15	16	18	10	12	18	7	7	6
Chloride	mg/l	--	250	--	20	16	16	15	14.8	14.4	14	14	11
Conductivity (Field)	uS/cm	--	--	--	858	650	854	831	720	700	700	920	600
Hardness, Calcium Carbonate	mg/l	--	--	100	*370*	*388*	*439*	*417*	*378.2*	*404*	*389*	*390*	*362*
Nitrogen, Organic	mg/l	--	--	0.15	--	0.01	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.09	1.54	1.25	1.64	0.69	1.28	1.39	1	1.2
pH (Field)	-	--	--	8.5	6.5	7	7.5	7.5	7.1	6.7	7.4	6.9	6.9
Temperature (Field)	deg c	--	15	--	9	10	10	11.4	7.7	11	9	10	12
Total Dissolved Solids	mg/l	--	500	--	558	553	555	540	476	490	530	558	540
Total Organic Carbon	mg/l	--	--	--	5.9	6.3	5.6	5.2	5.2	6	5.1	5.1	5.2
Metals													
Boron, dissolved	mg/l	5	--	--	0.41	0.39	0.56	0.49	0.35	0.34	0.34	0.41	0.4
Calcium, dissolved	mg/l	--	--	--	102	111	118	116	104	111	108	110	102
Iron, dissolved	mg/l	--	0.3	--	0.05	0.35	0.03	0.07	0.02	0.07	0.11	<0.03	0.39
Magnesium, dissolved	mg/l	--	--	--	28	27	35	31	28.5	30.3	29	28	26
Potassium, dissolved	mg/l	--	--	--	5	5	5	6	3.8	4.7	4	4	4
Sodium, dissolved	mg/l	--	200 [10]	--	37	31	38	39	33.3	33.2	31	31	28
Strontium, dissolved	mg/l	--	--	--	1.07	1.48	1.87	1.36	1.16	1.23	1.22	1.26	1.36

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-9M 28-Sep-2006	98-9M 11-May-2007	98-9M 25-Sep-2007	98-9M 25-May-2008	98-9M 28-Sep-2008	98-9M 05-Jun-2009 C-3	98-9M 10-Sep-2009 A-8	98-9M 10-May-2010 M-9	98-9M 31-Aug-2010 B-7
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	426	420	413	437	443	408	420	413	404
Ammonia Nitrogen	mg/l	--	--	--	1.12	0.95	0.85	0.88	0.91	0.88	0.86	0.82	0.84
Chemical Oxygen Demand	mg/l	--	--	--	7	12	10	<5	13	13	7	13	20
Chloride	mg/l	--	250	--	12	12	12	13	13	10	11	12	12
Conductivity (Field)	uS/cm	--	--	--	500	580	600	857	545	736	713	823	714
Hardness, Calcium Carbonate	mg/l	--	--	100	*387*	*392*	*384*	*436*	*374*	*354*	*327*	*355*	*358*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.3	1.44	1.07	0.97	1.03	1.12	1.06	1.14	1.02
pH (Field)	-	--	--	8.5	7	7	7.2	7.2	7.3	6.94	6.87	6.97	6.56
Temperature (Field)	deg c	--	15	--	10.5	9	12	10	8	9.7	10.2	7.9	15.2
Total Dissolved Solids	mg/l	--	500	--	541	533	532	557	557	514	524	509	514
Total Organic Carbon	mg/l	--	--	--	5.5	5.2	5.7	5.1	5.2	5.7	4.7	4.7	4.7
Metals													
Boron, dissolved	mg/l	5	--	--	0.35	0.32	0.39	0.4	0.33	0.34	0.38	0.36	0.36
Calcium, dissolved	mg/l	--	--	--	109	111	106	122	102	99	93	101	102
Iron, dissolved	mg/l	--	0.3	--	0.19	0.05	0.07	0.08	0.05	<0.03	0.06	<0.03	0.12
Magnesium, dissolved	mg/l	--	--	--	28	28	29	32	29	26	23	25	25
Potassium, dissolved	mg/l	--	--	--	4	4	4	4	4	4	4	4	3
Sodium, dissolved	mg/l	--	200 [10]	--	30	30	31	36	31	27	26	26	25
Strontium, dissolved	mg/l	--	--	--	1.4	1.33	1.37	1.48	1.35	1.38	1.41	1.35	1.28

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-9M 09-May-2011 M-9	98-9M 02-Sep-2011 B-13	98-9M 23-May-2012 98-9M	98-9M 23-Aug-2012 98-9M
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	412	429	422	426
Ammonia Nitrogen	mg/l	--	--	--	0.29	0.76	0.70	0.75
Chemical Oxygen Demand	mg/l	--	--	--	20	10	<5	10
Chloride	mg/l	--	250	--	11	12	10	10
Conductivity (Field)	uS/cm	--	--	--	800	--	772	695
Hardness, Calcium Carbonate	mg/l	--	--	100	*374*	*387*	*276*	*387*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.50	0.91	0.96	0.88
pH (Field)	-	--	--	8.5	7.07	--	7.08	7.05
Temperature (Field)	deg c	--	15	--	12.8	--	10.2	17.7
Total Dissolved Solids	mg/l	--	500	--	512	517	519	519
Total Organic Carbon	mg/l	--	--	--	5.2	4.9	4.6	4.0
Metals								
Boron, dissolved	mg/l	5	--	--	0.37	0.25	0.34	0.32
Calcium, dissolved	mg/l	--	--	--	107	112	76	109
Iron, dissolved	mg/l	--	0.3	--	<0.03	0.14	<0.03	0.08
Magnesium, dissolved	mg/l	--	--	--	26	26	21	28
Potassium, dissolved	mg/l	--	--	--	3	4	3	4
Sodium, dissolved	mg/l	--	200 [10]	--	29	27	22	29
Strontium, dissolved	mg/l	--	--	--	1.13	1.19	1.27	1.31

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-9S 08-May-2002	98-9S 17-Sep-2002	98-9S 03-May-2003	98-9S 24-Sep-2003	98-9S 18-Apr-2004	98-9S 23-Sep-2004	98-9S 23-May-2005	98-9S 27-Sep-2005	98-9S 18-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	314	339	315	343	328	346	328	328	330
Ammonia Nitrogen	mg/l	--	--	--	0.7	0.82	0.95	1.34	0.89	1.06	0.86	1.07	1
Chemical Oxygen Demand	mg/l	--	--	--	<5	8	<5	<5	<5	9	<5	9	<5
Chloride	mg/l	--	250	--	15	15	13	14	12.9	13	10	19	9
Conductivity (Field)	uS/cm	--	--	--	760	1000	736	773	630	590	445	770	400
Hardness, Calcium Carbonate	mg/l	--	--	100	*384*	*405*	*409*	*443*	*372.9*	*396.1*	*406*	*359*	*333*
Nitrogen, Organic	mg/l	--	--	0.15	0.03	*0.22*	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.73	1.04	1.11	1.48	1.04	1.26	1	1.13	1.39
pH (Field)	-	--	--	8.5	6.6	7.2	7.4	7.6	7.1	6.8	7.2	7.7	7.2
Temperature (Field)	deg c	--	15	--	11	11	9	10.4	7.5	12	9	10	10
Total Dissolved Solids	mg/l	--	500	--	494	528	478	502	420	424	450	456	465
Total Organic Carbon	mg/l	--	--	--	2.2	2.6	2.2	2.5	1.7	2.5	1.8	1.9	1.9
Metals													
Boron, dissolved	mg/l	5	--	--	0.08	<0.05	0.13	0.07	0.05	0.03	0.06	0.05	0.05
Calcium, dissolved	mg/l	--	--	--	101	106	106	118	97.6	102	110	96	87
Iron, dissolved	mg/l	--	0.3	--	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.14	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	32	34	35	36	31.3	33.8	32	29	28
Potassium, dissolved	mg/l	--	--	--	1	2	2	2	1.5	2.1	2	1	2
Sodium, dissolved	mg/l	--	200 [10]	--	13	13	12	14	14.2	13.6	16	14	12
Strontium, dissolved	mg/l	--	--	--	0.208	0.227	0.244	0.295	0.216	0.221	0.231	0.206	0.196

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	98-9S 28-Sep-2006	98-9S 11-May-2007	98-9S 25-Sep-2007	98-9S 25-May-2008	98-9S 28-Sep-2008	98-9S 02-Jun-2009 A-11	98-9S 10-Sep-2009 A-7	98-9S 10-May-2010 M-10	98-9S 31-Aug-2010 B-8
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	343	321	321	310	341	322	345	326	344
Ammonia Nitrogen	mg/l	--	--	--	1.05	1.03	1.06	0.93	1.08	1.09	1.28	1.14	1.15
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	<5	8	8	<5	<5	15
Chloride	mg/l	--	250	--	13	9	16	10	11	8	11	9	10
Conductivity (Field)	uS/cm	--	--	--	480	610	540	677	515	672	672	712	656
Hardness, Calcium Carbonate	mg/l	--	--	100	*391*	*371*	*370*	*376*	*339*	*362*	*331*	*313*	*364*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.27	1.22	1.12	0.96	1.17	1.07	1.31	1.29	1.20
pH (Field)	-	--	--	8.5	7.2	7.2	7.2	7.3	7.4	7.23	7.25	7.15	6.67
Temperature (Field)	deg c	--	15	--	12	11	12	12	10	9.0	10.1	7.4	14.1
Total Dissolved Solids	mg/l	--	500	--	493	448	476	440	478	443	480	434	478
Total Organic Carbon	mg/l	--	--	--	1.9	2.2	2.3	2.4	2	2.8	1.9	2.3	2.1
Metals													
Boron, dissolved	mg/l	5	--	--	0.05	0.04	0.13	0.06	0.04	0.06	0.04	0.06	0.04
Calcium, dissolved	mg/l	--	--	--	104	99	97	101	88	97	88	84	98
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	32	30	31	30	29	29	27	25	29
Potassium, dissolved	mg/l	--	--	--	2	2	2	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	13	12	14	14	14	12	11	10	11
Strontium, dissolved	mg/l	--	--	--	0.254	0.204	0.24	0.244	0.244	0.245	0.225	0.238	0.234

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	98-9S 09-May-2011 M-1	98-9S 02-Sep-2011 B-14	98-9S 23-May-2012 98-9S	98-9S 23-Aug-2012 98-9S
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	329	--	324	340
Ammonia Nitrogen	mg/l	--	--	--	1.00	--	1.19	1.26
Chemical Oxygen Demand	mg/l	--	--	--	10	--	5	18
Chloride	mg/l	--	250	--	8	--	7	21
Conductivity (Field)	uS/cm	--	--	--	680	--	648	621
Hardness, Calcium Carbonate	mg/l	--	--	100	*332*	--	*254*	*381*
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.08	--	1.42	1.47
pH (Field)	-	--	--	8.5	7.17	--	7.19	7.20
Temperature (Field)	deg c	--	15	--	8.1	--	10.6	17.0
Total Dissolved Solids	mg/l	--	500	--	432	--	423	466
Total Organic Carbon	mg/l	--	--	--	2.4	--	2.3	1.9
Metals								
Boron, dissolved	mg/l	5	--	--	0.07	--	0.06	0.06
Calcium, dissolved	mg/l	--	--	--	90	--	67	103
Iron, dissolved	mg/l	--	0.3	--	<0.03	--	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	--	26	--	21	30
Potassium, dissolved	mg/l	--	--	--	2	--	1	2
Sodium, dissolved	mg/l	--	200 [10]	--	10	--	7	10
Strontium, dissolved	mg/l	--	--	--	0.231	--	0.219	0.222

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-1D 15-May-2002	99-1D 17-Sep-2002	99-1D 30-Apr-2003	99-1D 22-Sep-2003	99-1D 14-Apr-2004	99-1D 25-Sep-2004	99-1D 25-May-2005	99-1D 29-Sep-2005	99-1D 04-Jun-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	332	--	305	--	283	--	293	--	281
Ammonia Nitrogen	mg/l	--	--	--	0.06	--	0.06	--	0.1	--	0.22	--	0.22
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	6	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	--	22	--	<5	--	<5
Chloride	mg/l	--	250	--	80	--	76	--	88.8	--	78	--	63
Color	color unit	--	5	--	<2	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	625	680	690	900	710	700	610	800	705
Hardness, Calcium Carbonate	mg/l	--	--	100	*447*	--	*487*	--	*457.8*	--	*483*	--	*415*
Nitrogen, Organic	mg/l	--	--	0.15	*0.19*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.25	--	0.22	--	0.05	--	0.4	--	0.36
pH (Field)	-	--	--	8.5	6.6	7.5	6.7	8.1	6.8	6.9	6.8	7.1	6.9
Temperature (Field)	deg c	--	15	--	10	13	12	13.4	5	14	10	11	8
Total Dissolved Solids	mg/l	--	500	--	--	--	663	--	610	--	670	--	528
Total Organic Carbon	mg/l	--	--	--	--	--	1.7	--	2.8	--	1.2	--	0.8
Turbidity	ntu	--	5 [8]	-- [9]	21.6	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	0.08	--	0.08	--	0.09	--	0.11	--	0.08
Calcium, dissolved	mg/l	--	--	--	108	--	124	--	111	--	124	--	105
Iron, dissolved	mg/l	--	0.3	--	--	--	0.72	--	0.04	--	0.57	--	0.35
Magnesium, dissolved	mg/l	--	--	--	43	--	43	--	43.4	--	42	--	37
Potassium, dissolved	mg/l	--	--	--	2	--	3	--	1.2	--	2	--	2
Sodium, dissolved	mg/l	--	200 [10]	--	58	--	53	--	46.3	--	42	--	34
Strontium, dissolved	mg/l	--	--	--	0.641	--	0.754	--	0.974	--	0.975	--	1.19

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-1D 30-Sep-2006	99-1D 09-May-2007	99-1D 26-Sep-2007	99-1D 04-Jun-2008	99-1D 29-Sep-2008	99-1D 05-Jun-2009 B-12	99-1D 11-Sep-2009 A-20	99-1D 14-May-2010 C-8	99-1D 01-Sep-2010 B-25
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	287	--	284	--	281	--	271	--
Ammonia Nitrogen	mg/l	--	--	--	--	0.16	--	0.04	--	0.11	--	0.08	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	--	<5	--	8	--	13	--
Chloride	mg/l	--	250	--	--	60	--	61	--	66	--	61	--
Color	color unit	--	5	--	--	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	660	610	970	927	410	880	781	962	823
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*421*	--	<1	--	*410*	--	*390*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.29	--	<0.1	--	0.13	--	0.12	--
pH (Field)	-	--	--	8.5	7.2	7.4	7.5	7.5	7.2	7.7	7.2	7.37	7.33
Temperature (Field)	deg c	--	15	--	9	9	10	11	13	10.5	12.8	10.1	14.3
Total Dissolved Solids	mg/l	--	500	--	--	618	--	603	--	620	--	595	--
Total Organic Carbon	mg/l	--	--	--	--	1.2	--	1.4	--	2.0	--	1.3	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	--	0.09	--	0.08	--	0.07	--	0.08	--
Calcium, dissolved	mg/l	--	--	--	--	106	--	<1	--	103	--	100	--
Iron, dissolved	mg/l	--	0.3	--	--	0.25	--	0.19	--	0.56	--	0.17	--
Magnesium, dissolved	mg/l	--	--	--	--	38	--	<1	--	37	--	34	--
Potassium, dissolved	mg/l	--	--	--	--	2	--	<1	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [10]	--	--	33	--	<2	--	33	--	34	--
Strontium, dissolved	mg/l	--	--	--	--	1.06	--	1.11	--	1.07	--	1.10	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-1D 11-May-2011 J-4	99-1D 06-Sep-2011 B-32	99-1D 28-May-2012 99-1D	99-1D 27-Aug-2012 99-1D
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	275	--	275	--
Ammonia Nitrogen	mg/l	--	--	--	0.11	--	0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	--
Chloride	mg/l	--	250	--	67	--	62	--
Color	color unit	--	5	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	894	--	846	853
Hardness, Calcium Carbonate	mg/l	--	--	100	*393*	--	*357*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	--	<0.10	--
pH (Field)	-	--	--	8.5	7.22	--	7.37	7.83
Temperature (Field)	deg c	--	15	--	12.9	--	11.8	14.4
Total Dissolved Solids	mg/l	--	500	--	586	--	582	--
Total Organic Carbon	mg/l	--	--	--	1.2	--	1.5	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.07	--	0.06	--
Calcium, dissolved	mg/l	--	--	--	98	--	90	--
Iron, dissolved	mg/l	--	0.3	--	0.54	--	0.04	--
Magnesium, dissolved	mg/l	--	--	--	36	--	32	--
Potassium, dissolved	mg/l	--	--	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [10]	--	33	--	31	--
Strontium, dissolved	mg/l	--	--	--	0.994	--	1.13	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-1M 15-May-2002	99-1M 17-Sep-2002	99-1M 30-Apr-2003	99-1M 22-Sep-2003	99-1M 14-Apr-2004	99-1M 25-Sep-2004	99-1M 25-May-2005	99-1M 29-Sep-2005	99-1M 30-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	206	--	210	--	208	--	240	--	243
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	<0.02	--	<0.03	--	0.02	--	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	--	5	--	<5	--	<5
Chloride	mg/l	--	250	--	40	--	58	--	49	--	53	--	57
Color	color unit	--	5	--	<2	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	550	610	620	800	700	645	500	950	600
Hardness, Calcium Carbonate	mg/l	--	--	100	*288*	--	*295*	--	*284.1*	--	*331*	--	*328*
Nitrogen, Organic	mg/l	--	--	0.15	*0.21*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.23	--	0.09	--	0.16	--	<0.05	--	0.26
pH (Field)	-	--	--	8.5	6.4	7.2	6.7	7.5	6.9	6.9	6.8	6.9	7.2
Temperature (Field)	deg c	--	15	--	9	11.5	10	10.7	5	15	10	11	14
Total Dissolved Solids	mg/l	--	500	--	--	--	476	--	376	--	482	--	510
Total Organic Carbon	mg/l	--	--	--	--	--	1.1	--	1.3	--	1	--	0.6
Turbidity	ntu	--	5 [8]	-- [9]	17.8	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	--	<0.05	--	0.03	--	0.05	--	0.03
Calcium, dissolved	mg/l	--	--	--	84	--	85	--	82.8	--	98	--	95
Iron, dissolved	mg/l	--	0.3	--	--	--	<0.01	--	<0.01	--	0.01	--	<0.03
Magnesium, dissolved	mg/l	--	--	--	19	--	20	--	18.7	--	21	--	22
Potassium, dissolved	mg/l	--	--	--	2	--	3	--	1.7	--	2	--	3
Sodium, dissolved	mg/l	--	200 [10]	--	24	--	36	--	29.5	--	32	--	30
Strontium, dissolved	mg/l	--	--	--	0.072	--	0.08	--	0.076	--	0.09	--	0.088

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-1M 30-Sep-2006	99-1M 09-May-2007	99-1M 26-Sep-2007	99-1M 04-Jun-2008	99-1M 29-Sep-2008	99-1M 05-Jun-2009 B-13	99-1M 11-Sep-2009 A-24	99-1M 14-May-2010 C-10	99-1M 01-Sep-2010 B-26
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	212	--	209	--	232	--	228	--
Ammonia Nitrogen	mg/l	--	--	--	--	0.1	--	<0.02	--	<0.02	--	<0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	--	<5	--	10	--	8	--
Chloride	mg/l	--	250	--	--	34	--	62	--	54	--	60	--
Color	color unit	--	5	--	--	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	615	490	525	704	610	625	753	830	844
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*274*	--	*300*	--	*318*	--	*324*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.18	--	0.16	--	<0.10	--	<0.10	--
pH (Field)	-	--	--	8.5	7.2	7.2	7.3	7.2	7.4	7.1	7.12	7.03	7.23
Temperature (Field)	deg c	--	15	--	8	8	12	12	13	10.5	11.2	10.4	12.3
Total Dissolved Solids	mg/l	--	500	--	--	423	--	458	--	482	--	508	--
Total Organic Carbon	mg/l	--	--	--	--	1.1	--	1.3	--	2.0	--	1.6	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	--	0.04	--	0.03	--	0.03	--	0.04	--
Calcium, dissolved	mg/l	--	--	--	--	80	--	87	--	91	--	95	--
Iron, dissolved	mg/l	--	0.3	--	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	--	18	--	20	--	22	--	21	--
Potassium, dissolved	mg/l	--	--	--	--	2	--	2	--	3	--	2	--
Sodium, dissolved	mg/l	--	200 [10]	--	--	23	--	34	--	33	--	39	--
Strontium, dissolved	mg/l	--	--	--	--	0.079	--	0.086	--	0.078	--	0.096	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-1M 11-May-2011 J-2	99-1M 06-Sep-2011 B-33	99-1M 28-May-2012 99-1M	99-1M 27-Aug-2012 99-1M
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	223	--	242	--
Ammonia Nitrogen	mg/l	--	--	--	0.02	--	<0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	5	--	<5	--
Chloride	mg/l	--	250	--	22	--	44	--
Color	color unit	--	5	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	567	--	702	760
Hardness, Calcium Carbonate	mg/l	--	--	100	*252*	--	*304*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.16	--	<0.10	--
pH (Field)	-	--	--	8.5	6.95	--	7.38	7.36
Temperature (Field)	deg c	--	15	--	11.6	--	11.7	12.1
Total Dissolved Solids	mg/l	--	500	--	369	--	480	--
Total Organic Carbon	mg/l	--	--	--	1.3	--	1.4	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.03	--	0.03	--
Calcium, dissolved	mg/l	--	--	--	73	--	87	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	17	--	21	--
Potassium, dissolved	mg/l	--	--	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [10]	--	21	--	27	--
Strontium, dissolved	mg/l	--	--	--	0.072	--	0.097	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-1S 15-May-2002	99-1S 17-Sep-2002	99-1S 30-Apr-2003	99-1S 22-Sep-2003	99-1S 14-Apr-2004	99-1S 25-Sep-2004	99-1S 25-May-2005	99-1S 29-Sep-2005	99-1S 30-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	188	--	180	--	189	--	226	--	229
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	<0.02	--	<0.03	--	<0.02	--	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	--	6	--	<5	--	<5
Chloride	mg/l	--	250	--	11	--	15	--	13.2	--	19	--	38
Color	color unit	--	5	--	2	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	450	600	680	700	720	745	510	825	580
Hardness, Calcium Carbonate	mg/l	--	--	100	*251*	--	*256*	--	*270.5*	--	*364*	--	*326*
Nitrogen, Organic	mg/l	--	--	0.15	*0.26*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.28	--	0.18	--	0.28	--	0.15	--	0.26
pH (Field)	-	--	--	8.5	6.2	7.2	6.3	7.5	6.4	6.8	6.7	6.7	7.2
Temperature (Field)	deg c	--	15	--	9	11	11	11.4	5	16	10	13	12
Total Dissolved Solids	mg/l	--	500	--	--	--	348	--	320	--	432	--	463
Total Organic Carbon	mg/l	--	--	--	--	--	1.7	--	1.8	--	1.1	--	1.3
Turbidity	ntu	--	5 [8]	-- [9]	76.9	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	--	<0.05	--	0.04	--	0.07	--	0.03
Calcium, dissolved	mg/l	--	--	--	71	--	73	--	76.5	--	108	--	91
Iron, dissolved	mg/l	--	0.3	--	--	--	<0.01	--	<0.01	--	<0.01	--	<0.03
Magnesium, dissolved	mg/l	--	--	--	18	--	18	--	19.2	--	23	--	24
Potassium, dissolved	mg/l	--	--	--	2	--	2	--	2.2	--	3	--	3
Sodium, dissolved	mg/l	--	200 [10]	--	10	--	13	--	10.8	--	13	--	20
Strontium, dissolved	mg/l	--	--	--	0.06	--	0.071	--	0.068	--	0.093	--	0.081

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-1S 30-Sep-2006	99-1S 09-May-2007	99-1S 26-Sep-2007	99-1S 04-Jun-2008	99-1S 29-Sep-2008	99-1S 05-Jun-2009 B-15	99-1S 11-Sep-2009 A-25	99-1S 14-May-2010 C-9	99-1S 01-Sep-2010 B-27
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	197	--	193	--	212	--	206	--
Ammonia Nitrogen	mg/l	--	--	--	--	<0.02	--	<0.02	--	0.07	--	<0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--	<5	--	<5	--	5	--	18	--
Chloride	mg/l	--	250	--	--	12	--	30	--	24	--	33	--
Color	color unit	--	5	--	--	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	550	590	580	598	505	610	765	714	782
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*288*	--	5	--	*303*	--	*306*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.19	--	0.19	--	<0.10	--	<0.10	--
pH (Field)	-	--	--	8.5	7.2	7.2	7.3	7.2	7.2	7.1	6.98	7.08	6.94
Temperature (Field)	deg c	--	15	--	8	11	13	11	12	11.0	10.6	11.2	11.9
Total Dissolved Solids	mg/l	--	500	--	--	396	--	389	--	415	--	439	--
Total Organic Carbon	mg/l	--	--	--	--	1.5	--	1.7	--	2.3	--	1.9	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	--	0.05	--	0.03	--	0.04	--	0.03	--
Calcium, dissolved	mg/l	--	--	--	--	84	--	2	--	85	--	88	--
Iron, dissolved	mg/l	--	0.3	--	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	--	19	--	<1	--	22	--	21	--
Potassium, dissolved	mg/l	--	--	--	--	3	--	<1	--	3	--	2	--
Sodium, dissolved	mg/l	--	200 [10]	--	--	11	--	<2	--	15	--	19	--
Strontium, dissolved	mg/l	--	--	--	--	0.069	--	0.078	--	0.070	--	0.082	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-1S 11-May-2011 J-1	99-1S 06-Sep-2011 B-34	99-1S 28-May-2012 99-1S	99-1S 27-Aug-2012 99-1S
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	205	--	225	--
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	<0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	15	--	<5	--
Chloride	mg/l	--	250	--	9	--	26	--
Color	color unit	--	5	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	551	--	649	802
Hardness, Calcium Carbonate	mg/l	--	--	100	*252*	--	*300*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.14	--	<0.10	--
pH (Field)	-	--	--	8.5	7.01	--	7.16	7.23
Temperature (Field)	deg c	--	15	--	8.8	--	12.3	11.9
Total Dissolved Solids	mg/l	--	500	--	354	--	434	--
Total Organic Carbon	mg/l	--	--	--	1.6	--	1.9	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.03	--	0.02	--
Calcium, dissolved	mg/l	--	--	--	73	--	84	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	17	--	22	--
Potassium, dissolved	mg/l	--	--	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [10]	--	9	--	19	--
Strontium, dissolved	mg/l	--	--	--	0.069	--	0.086	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-2D 10-May-2002	99-2D 08-May-2003	99-2D 14-Apr-2004	99-2D 04-Jun-2006	99-2D 07-May-2007	99-2D 26-Sep-2007	99-2D 03-Jun-2008	99-2D 08-Jun-2009 J-16	99-2D 14-May-2010 C-14
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	114	126	66	66	--	209	88	77	110
Ammonia Nitrogen	mg/L	--	--	--	0.74	0.83	0.35	0.28	--	1.39	0.29	0.24	0.46
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--	5	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--	--	<0.25	--
Chemical Oxygen Demand	mg/l	--	--	--	60	56	40	106	--	66	50	148	275
Chloride	mg/l	--	250	--	9	10	5.8	9	--	25	11	10	17
Conductivity (Field)	uS/cm	--	--	--	249	280	540	505	660	615	214	172	315
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--	--	**0.323**	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	--	<0.10	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*127*	*133*	77	77	--	*213*	*101*	75	*126*
Nitrate as N	mg/l	10	--	--	--	--	--	--	--	--	--	<0.10	--
Nitrite as N	mg/l	1	--	--	--	--	--	--	--	--	--	<0.10	--
Nitrogen, Organic	mg/l	--	--	0.15	*1.79*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.53	1.36	1.3	1.11	--	1.74	0.89	1.31	1.13
pH (Field)	-	--	--	8.5	7.2	--	7.1	6.8	7.3	7.5	6.7	6.72	6.71
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--	--	0.58	--
Sulfate	mg/l	--	500 [12]	--	--	--	--	--	--	--	--	7	--
Temperature (Field)	deg c	--	15	--	--	--	6	9	8	7	12	9.9	10
Total Dissolved Solids	mg/l	--	500	--	162	182	84	108	--	313	139	118	179
Total Organic Carbon	mg/l	--	--	--	23.9	21	15.7	42.5	--	39.6	25.9	68.5	32.5
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	--	--	--	--	--	--	--	*0.19*	--
Arsenic, dissolved	mg/l	0.025	--	--	--	--	--	--	--	--	--	<0.001	--
Barium, dissolved	mg/l	1	--	--	--	--	--	--	--	--	--	0.04	--
Beryllium, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001	--
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.02	0.02	--	0.11	0.03	0.02	0.03
Cadmium, dissolved	mg/l	0.005	--	--	--	--	--	--	--	--	--	0.0001	--
Calcium, dissolved	mg/l	--	--	--	36	40	27.3	26	--	72	34	25	44
Chromium, dissolved	mg/l	0.05	--	--	--	--	--	--	--	--	--	0.002	--
Cobalt, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	0.0383	--
Copper, dissolved	mg/l	--	1	--	--	--	--	--	--	--	--	0.017	--
Iron, dissolved	mg/l	--	0.3	--	2.48	6.86	1.67	0.86	--	2.54	0.78	0.75	2.18
Lead, dissolved	mg/l	0.01	--	--	--	--	--	--	--	--	--	<0.001	--
Magnesium, dissolved	mg/l	--	--	--	9	8	2.11	3	--	8	4	3	4
Manganese, dissolved	mg/l	--	0.05	--	--	--	--	--	--	--	--	0.17	--
Molybdenum, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	0.084	--
Nickel, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	<0.005	--
Potassium, dissolved	mg/l	--	--	--	2	2	<1	<1	--	2	1	<1	1
Silver, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	0.0004	--
Sodium, dissolved	mg/l	--	200 [10]	--	25	15	3.5	6	--	11	6	4	9
Strontium, dissolved	mg/l	--	--	--	0.157	0.102	0.039	0.036	--	0.063	0.055	0.046	0.061
Thallium, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0001	--
Titanium, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	<0.01	--
Vanadium, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	0.001	--
Zinc, dissolved	mg/l	--	5	--	--	--	--	--	--	--	--	0.01	--
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	<0.002	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-2D 11-May-2011 J-6	99-2D 28-May-2012 [19] 99-2D
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	102	133
Ammonia Nitrogen	mg/L	--	--	--	0.30	0.47
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	150	63
Chloride	mg/l	--	250	--	19	18
Conductivity (Field)	uS/cm	--	--	--	267	335
Cyanide	mg/l	0.2	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*116*	*135*
Nitrate as N	mg/l	10	--	--	--	--
Nitrite as N	mg/l	1	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.63	0.86
pH (Field)	-	--	--	8.5	6.43	6.66
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	--	--
Temperature (Field)	deg c	--	15	--	11.1	11.4
Total Dissolved Solids	mg/l	--	500	--	179	213
Total Organic Carbon	mg/l	--	--	--	25.2	28.4
Metals						
Aluminum, dissolved	mg/l	--	--	0.1	--	--
Arsenic, dissolved	mg/l	0.025	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.03	0.03
Cadmium, dissolved	mg/l	0.005	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	40	46
Chromium, dissolved	mg/l	0.05	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--
Iron, dissolved	mg/l	--	0.3	--	2.35	2.77
Lead, dissolved	mg/l	0.01	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	4	5
Manganese, dissolved	mg/l	--	0.05	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	<1	1
Silver, dissolved	mg/l	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	7	10
Strontium, dissolved	mg/l	--	--	--	0.046	0.068
Thallium, dissolved	mg/l	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-2S 10-May-2002	99-2S 08-May-2003	99-2S 14-Apr-2004	99-2S 04-Jun-2006	99-2S 07-May-2007	99-2S 26-Sep-2007	99-2S 03-Jun-2008	99-2S 08-Jun-2009 J-15	99-2S 14-May-2010 C-15
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	447	448	448	385	--	379	389	391	389
Ammonia Nitrogen	mg/L	--	--	--	3.23	3.29	2.7	1.56	--	1.95	2.12	1.02	1.65
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	--	--	--	--	4	--
Bromide	mg/l	--	--	--	--	--	--	--	--	--	--	<0.25	--
Chemical Oxygen Demand	mg/l	--	--	--	29	27	34	21	--	<5	16	25	33
Chloride	mg/l	--	250	--	61	64	73.7	64	--	67	66	66	65
Conductivity (Field)	uS/cm	--	--	--	1080	1050	490	665	595	620	1000	956	1097
Cyanide	mg/l	0.2	--	--	--	--	--	--	--	--	--	<0.005	--
Fluoride	mg/l	1.5	--	--	--	--	--	--	--	--	--	0.25	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*468*	*546*	*474.4*	*435*	--	*440*	*474*	*475*	*464*
Nitrate as N	mg/l	10	--	--	--	--	--	--	--	--	--	<0.10	--
Nitrite as N	mg/l	1	--	--	--	--	--	--	--	--	--	<0.10	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.51*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	3.74	3.58	3.23	1.99	--	2.3	2.63	2.01	2.09
pH (Field)	-	--	--	8.5	6.9	6.7	7.1	7.1	7.4	7.5	7.2	6.99	7.06
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--	--	<0.01	--
Sulfate	mg/l	--	500 [12]	--	--	--	--	--	--	--	--	63	--
Temperature (Field)	deg c	--	15	--	10	11	6	8	8	9	12.5	9	9.9
Total Dissolved Solids	mg/l	--	500	--	702	683	590	577	--	657	650	663	657
Total Organic Carbon	mg/l	--	--	--	10.5	10.6	5.6	7.2	--	8.4	8.5	8.8	8.6
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	--	--	--	--	--	--	--	<0.01	--
Arsenic, dissolved	mg/l	0.025	--	--	--	--	--	--	--	--	--	0.002	--
Barium, dissolved	mg/l	1	--	--	--	--	--	--	--	--	--	0.57	--
Beryllium, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001	--
Boron, dissolved	mg/l	5	--	--	0.38	0.42	0.39	0.32	--	0.33	0.44	0.28	0.32
Cadmium, dissolved	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0001	--
Calcium, dissolved	mg/l	--	--	--	123	146	121	118	--	117	127	126	125
Chromium, dissolved	mg/l	0.05	--	--	--	--	--	--	--	--	--	0.003	--
Cobalt, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	0.0005	--
Copper, dissolved	mg/l	--	1	--	--	--	--	--	--	--	--	<0.001	--
Iron, dissolved	mg/l	--	0.3	--	3.87	5.65	4.75	3.9	--	4.95	4.32	3.64	3.97
Lead, dissolved	mg/l	0.01	--	--	--	--	--	--	--	--	--	<0.001	--
Magnesium, dissolved	mg/l	--	--	--	39	44	41.4	34	--	36	38	39	37
Manganese, dissolved	mg/l	--	0.05	--	--	--	--	--	--	--	--	0.41	--
Molybdenum, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	0.008	--
Nickel, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	<0.005	--
Potassium, dissolved	mg/l	--	--	--	6	7	6	5	--	5	6	6	6
Silver, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0001	--
Sodium, dissolved	mg/l	--	200 [10]	--	35	37	36.6	32	--	34	35	36	38
Strontium, dissolved	mg/l	--	--	--	2.95	2.46	1.91	1.82	--	1.53	1.4	1.66	1.81
Thallium, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0001	--
Titanium, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	<0.01	--
Vanadium, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	0.007	--
Zinc, dissolved	mg/l	--	5	--	--	--	--	--	--	--	--	0.02	--
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	0.002	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-2S 11-May-2011 J-7	99-2S 28-May-2012 99-2S
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	361	317
Ammonia Nitrogen	mg/L	--	--	--	1.42	1.34
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Bromide	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	20	23
Chloride	mg/l	--	250	--	67	55
Conductivity (Field)	uS/cm	--	--	--	939	852
Cyanide	mg/l	0.2	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*434*	*344*
Nitrate as N	mg/l	10	--	--	--	--
Nitrite as N	mg/l	1	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.82	1.61
pH (Field)	-	--	--	8.5	7.02	7.17
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--
Sulfate	mg/l	--	500 [12]	--	--	--
Temperature (Field)	deg c	--	15	--	10.3	10.0
Total Dissolved Solids	mg/l	--	500	--	623	558
Total Organic Carbon	mg/l	--	--	--	7.1	8.3
Metals						
Aluminum, dissolved	mg/l	--	--	0.1	--	--
Arsenic, dissolved	mg/l	0.025	--	--	--	--
Barium, dissolved	mg/l	1	--	--	--	--
Beryllium, dissolved	mg/l	--	--	--	--	--
Boron, dissolved	mg/l	5	--	--	0.28	0.24
Cadmium, dissolved	mg/l	0.005	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	116	95
Chromium, dissolved	mg/l	0.05	--	--	--	--
Cobalt, dissolved	mg/l	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	--
Iron, dissolved	mg/l	--	0.3	--	3.42	4.43
Lead, dissolved	mg/l	0.01	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	35	26
Manganese, dissolved	mg/l	--	0.05	--	--	--
Molybdenum, dissolved	mg/l	--	--	--	--	--
Nickel, dissolved	mg/l	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	5	4
Silver, dissolved	mg/l	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	32	26
Strontium, dissolved	mg/l	--	--	--	1.54	1.31
Thallium, dissolved	mg/l	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	--	--
Vanadium, dissolved	mg/l	--	--	--	--	--
Zinc, dissolved	mg/l	--	5	--	--	--
Zirconium, dissolved	mg/l	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-3D 10-May-2002	99-3D 17-Sep-2002	99-3D 03-May-2003	99-3D 24-Sep-2003	99-3D 16-Apr-2004	99-3D 23-Sep-2004	99-3D 23-May-2005	99-3D 29-Sep-2005	99-3D 19-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	194	--	178	--	180	--	183	--	178
Ammonia Nitrogen	mg/l	--	--	--	0.05	--	0.06	--	<0.03	--	0.07	--	0.05
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	--	<5	--	<5	--	<5
Chloride	mg/l	--	250	--	4	--	2	--	2.1	--	2	--	2
Conductivity (Field)	uS/cm	--	--	--	553	400	539	500	480	590	410	490	450
Hardness, Calcium Carbonate	mg/l	--	--	100	58	--	49	--	43.9	--	45	--	45
Nitrogen, Organic	mg/l	--	--	0.15	0.12	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.17	--	0.1	--	0.1	--	0.18	--	0.12
pH (Field)	-	--	--	8.5	6.5	8.3	8.3	*8.8*	7.5	7.2	8	8.1	*8.8*
Temperature (Field)	deg c	--	15	--	9	11.5	10	11.9	8.5	11	10	11	12
Total Dissolved Solids	mg/l	--	500	--	359	--	350	--	298	--	336	--	367
Total Organic Carbon	mg/l	--	--	--	1.2	--	1.5	--	1.3	--	1.4	--	1.5
Metals													
Boron, dissolved	mg/l	5	--	--	0.29	--	0.41	--	0.37	--	0.4	--	0.36
Calcium, dissolved	mg/l	--	--	--	15	--	13	--	12.3	--	13	--	13
Iron, dissolved	mg/l	--	0.3	--	0.01	--	<0.01	--	<0.01	--	0.02	--	<0.03
Magnesium, dissolved	mg/l	--	--	--	5	--	4	--	3.16	--	3	--	3
Potassium, dissolved	mg/l	--	--	--	3	--	2	--	1.3	--	3	--	2
Sodium, dissolved	mg/l	--	200 [10]	--	97	--	121	--	106	--	111	--	104
Strontium, dissolved	mg/l	--	--	--	0.13	--	0.181	--	0.182	--	0.167	--	0.278

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-3D 28-Sep-2006	99-3D 10-May-2007	99-3D 25-Sep-2007	99-3D 25-May-2008	99-3D 28-Sep-2008	99-3D 02-Jun-2009 A-9	99-3D 10-Sep-2009 A-4	99-3D 05-May-2010 T-5	99-3D 31-Aug-2010 B-1
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	175	--	176	--	174	--	176	--
Ammonia Nitrogen	mg/l	--	--	--	--	0.12	--	0.04	--	0.06	--	0.04	--
Chemical Oxygen Demand	mg/l	--	--	--	--	7	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	--	--	2	--	2	--	3	--	4	--
Conductivity (Field)	uS/cm	--	--	--	370	490	515	560	510	548	585	606	592
Hardness, Calcium Carbonate	mg/l	--	--	100	--	45	--	45	--	47	--	45	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.07	--	0.11	--	<0.10	--	<0.10	--
pH (Field)	-	--	--	8.5	8.3	7.8	7.7	8	8.2	*8.55*	6.59	8.48	6.88
Temperature (Field)	deg c	--	15	--	11	10	12	12	8	9.9	12.5	12.6	14.5
Total Dissolved Solids	mg/l	--	500	--	--	370	--	364	--	361	--	370	--
Total Organic Carbon	mg/l	--	--	--	--	1.9	--	1.8	--	2.7	--	2.0	--
Metals													
Boron, dissolved	mg/l	5	--	--	--	0.39	--	0.42	--	0.39	--	0.39	--
Calcium, dissolved	mg/l	--	--	--	--	13	--	13	--	14	--	13	--
Iron, dissolved	mg/l	--	0.3	--	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	--	3	--	3	--	3	--	3	--
Potassium, dissolved	mg/l	--	--	--	--	2	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [10]	--	--	111	--	122	--	109	--	109	--
Strontium, dissolved	mg/l	--	--	--	--	0.192	--	0.182	--	0.337	--	0.217	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-3D 06-May-2011 L-24	99-3D 02-Sep-2011 B-7	99-3D 23-May-2012 99-3D	99-3D 23-Aug-2012 99-3D
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	180	--	178	--
Ammonia Nitrogen	mg/l	--	--	--	0.03	--	0.03	--
Chemical Oxygen Demand	mg/l	--	--	--	10	--	<5	--
Chloride	mg/l	--	250	--	4	--	3	--
Conductivity (Field)	uS/cm	--	--	--	591	--	569	530
Hardness, Calcium Carbonate	mg/l	--	--	100	42	--	31	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.14	--	<0.10	--
pH (Field)	-	--	--	8.5	8.44	--	8.38	8.38
Temperature (Field)	deg c	--	15	--	12.0	--	17.6	14.8
Total Dissolved Solids	mg/l	--	500	--	370	--	363	--
Total Organic Carbon	mg/l	--	--	--	1.8	--	2.0	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.40	--	0.37	--
Calcium, dissolved	mg/l	--	--	--	12	--	9	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	3	--	2	--
Potassium, dissolved	mg/l	--	--	--	2	--	1	--
Sodium, dissolved	mg/l	--	200 [10]	--	106	--	94	--
Strontium, dissolved	mg/l	--	--	--	0.228	--	0.232	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-3M 10-May-2002	99-3M 17-Sep-2002	99-3M 03-May-2003	99-3M 24-Sep-2003	99-3M 16-Apr-2004	99-3M 23-Sep-2004	99-3M 23-May-2005	99-3M 29-Sep-2005	99-3M 19-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	281	--	270	--	260	--	273	--	268
Ammonia Nitrogen	mg/l	--	--	--	0.14	--	0.1	--	0.05	--	0.11	--	0.07
Chemical Oxygen Demand	mg/l	--	--	--	<5	--	<5	--	<5	--	<5	--	<5
Chloride	mg/l	--	250	--	5	--	5	--	5.4	--	4	--	3
Conductivity (Field)	uS/cm	--	--	--	561	680	548	500	480	525	500	460	400
Hardness, Calcium Carbonate	mg/l	--	--	100	*277*	--	*308*	--	*283.3*	--	*285*	--	*257*
Nitrogen, Organic	mg/l	--	--	0.15	*0.18*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.32	--	0.17	--	0.18	--	0.14	--	0.18
pH (Field)	-	--	--	8.5	7.3	7.5	7.5	7.7	7	7.4	7.3	7.1	7.3
Temperature (Field)	deg c	--	15	--	10	13	10.52	10.7	8.6	12	10	10.5	12
Total Dissolved Solids	mg/l	--	500	--	365	--	356	--	296	--	343	--	351
Total Organic Carbon	mg/l	--	--	--	1.2	--	1.5	--	1.4	--	1	--	1.4
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	--	<0.05	--	0.02	--	0.03	--	0.02
Calcium, dissolved	mg/l	--	--	--	86	--	97	--	90	--	91	--	83
Iron, dissolved	mg/l	--	0.3	--	0.23	--	0.03	--	0.18	--	0.2	--	0.15
Magnesium, dissolved	mg/l	--	--	--	15	--	16	--	14.1	--	14	--	12
Potassium, dissolved	mg/l	--	--	--	3	--	4	--	2.8	--	4	--	4
Sodium, dissolved	mg/l	--	200 [10]	--	4	--	4	--	6	--	11	--	8
Strontium, dissolved	mg/l	--	--	--	0.681	--	0.864	--	0.694	--	0.763	--	0.634

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-3M 28-Sep-2006	99-3M 10-May-2007	99-3M 25-Sep-2007	99-3M 25-May-2008	99-3M 28-Sep-2008	99-3M 02-Jun-2009 A-2	99-3M 10-Sep-2009 A-5	99-3M 05-May-2010 T-2	99-3M 31-Aug-2010 B-2
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	279	--	278	--	276	--	270	--
Ammonia Nitrogen	mg/l	--	--	--	--	0.11	--	0.07	--	0.07	--	0.05	--
Chemical Oxygen Demand	mg/l	--	--	--	--	5	--	<5	--	5	--	<5	--
Chloride	mg/l	--	250	--	--	3	--	3	--	2	--	5	--
Conductivity (Field)	uS/cm	--	--	--	350	400	440	556	505	563	485	568	541
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*283*	--	*309*	--	*290*	--	*297*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.09	--	0.14	--	<0.10	--	<0.10	--
pH (Field)	-	--	--	8.5	7.4	7.1	7.2	7.8	7.9	7.27	6.84	7.28	6.35
Temperature (Field)	deg c	--	15	--	11	9	13	13	9	10.3	10.9	10.9	13.4
Total Dissolved Solids	mg/l	--	500	--	--	365	--	361	--	358	--	354	--
Total Organic Carbon	mg/l	--	--	--	--	2.1	--	1.7	--	2.4	--	1.7	--
Metals													
Boron, dissolved	mg/l	5	--	--	--	0.03	--	0.03	--	0.03	--	0.03	--
Calcium, dissolved	mg/l	--	--	--	--	92	--	99	--	93	--	96	--
Iron, dissolved	mg/l	--	0.3	--	--	0.18	--	0.13	--	0.21	--	0.16	--
Magnesium, dissolved	mg/l	--	--	--	--	13	--	15	--	14	--	14	--
Potassium, dissolved	mg/l	--	--	--	--	3	--	4	--	4	--	3	--
Sodium, dissolved	mg/l	--	200 [10]	--	--	11	--	12	--	10	--	7	--
Strontium, dissolved	mg/l	--	--	--	--	0.765	--	0.721	--	0.709	--	0.727	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-3M 06-May-2011 L-23	99-3M 02-Sep-2011 B-8	99-3M 23-May-2012 99-3M	99-3M 23-Aug-2012 99-3M
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	283	--	285	--
Ammonia Nitrogen	mg/l	--	--	--	0.04	--	0.04	--
Chemical Oxygen Demand	mg/l	--	--	--	15	--	5	--
Chloride	mg/l	--	250	--	3	--	2	--
Conductivity (Field)	uS/cm	--	--	--	567	--	571	512
Hardness, Calcium Carbonate	mg/l	--	--	100	*282*	--	*215*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	--	0.11	--
pH (Field)	-	--	--	8.5	7.18	--	7.25	7.45
Temperature (Field)	deg c	--	15	--	12.8	--	11.1	12.1
Total Dissolved Solids	mg/l	--	500	--	359	--	363	--
Total Organic Carbon	mg/l	--	--	--	1.6	--	1.5	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.02	--	0.02	--
Calcium, dissolved	mg/l	--	--	--	90	--	68	--
Iron, dissolved	mg/l	--	0.3	--	0.14	--	0.15	--
Magnesium, dissolved	mg/l	--	--	--	14	--	11	--
Potassium, dissolved	mg/l	--	--	--	3	--	3	--
Sodium, dissolved	mg/l	--	200 [10]	--	8	--	6	--
Strontium, dissolved	mg/l	--	--	--	0.635	--	0.703	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-3S 10-May-2002	99-3S 03-May-2003	99-3S 16-Apr-2004	99-3S 23-May-2005 [20]	99-3S 25-Sep-2007 [20]	99-3S 02-Jun-2009 [20] 99-3S	99-3S 10-Sep-2009 [20] 99-3S	99-3S 31-Aug-2010 [20] 99-3S
General Chemistry												
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	257	234	251	--	--	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.02	<0.02	<0.03	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	6	--	--	--	--	--
Chloride	mg/l	--	250	--	5	5	3.4	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	539	497	420	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*231*	*251*	*246.3*	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*1.44*	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.46	0.1	0.12	--	--	--	--	--
pH (Field)	-	--	--	8.5	6.6	7.5	7	--	--	--	--	--
Temperature (Field)	deg c	--	15	--	11	11	9.3	--	--	--	--	--
Total Dissolved Solids	mg/l	--	500	--	350	323	268	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	2.3	2	5.3	--	--	--	--	--
Metals												
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.02	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	--	71	79	77.4	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	0.04	<0.01	<0.01	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	--	13	13	12.8	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	--	6	4	4.7	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	17	16	13.5	--	--	--	--	--
Strontium, dissolved	mg/l	--	--	--	1.04	0.538	0.753	--	--	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-3S 06-May-2011 L-14	99-3S 02-Sep-2011 B-9	99-3S 23-May-2012 [20] 99-3S	99-3S 23-Aug-2012 [20] 99-3S
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	265	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	10	--	--	--
Chloride	mg/l	--	250	--	4	--	--	--
Conductivity (Field)	uS/cm	--	--	--	550	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*252*	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	--	--	--
pH (Field)	-	--	--	8.5	7.23	--	--	--
Temperature (Field)	deg c	--	15	--	9.8	--	--	--
Total Dissolved Solids	mg/l	--	500	--	341	--	--	--
Total Organic Carbon	mg/l	--	--	--	2.3	--	--	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.02	--	--	--
Calcium, dissolved	mg/l	--	--	--	78	--	--	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	--	--	--
Magnesium, dissolved	mg/l	--	--	--	14	--	--	--
Potassium, dissolved	mg/l	--	--	--	7	--	--	--
Sodium, dissolved	mg/l	--	200 [10]	--	10	--	--	--
Strontium, dissolved	mg/l	--	--	--	1.10	--	--	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-4D 10-May-2002	99-4D 17-Sep-2002	99-4D 03-May-2003	99-4D 24-Sep-2003	99-4D 16-Apr-2004	99-4D 23-Sep-2004	99-4D 20-May-2005	99-4D 29-Sep-2005	99-4D 18-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	220	--	211	--	205	--	198	--	199
Ammonia Nitrogen	mg/L	--	--	--	<0.02	--	<0.02	--	<0.03	--	<0.02	--	<0.02
Chemical Oxygen Demand	mg/l	--	--	--	5	--	<5	--	7	--	<5	--	<5
Chloride	mg/l	--	250	--	5	--	6	--	5.2	--	5	--	4
Conductivity (Field)	uS/cm	--	--	--	507	340	454	450	370	500	360	385	325
Hardness, Calcium Carbonate	mg/l	--	--	100	*101*	--	*122*	--	*123*	--	*115*	--	*131*
Nitrogen, Organic	mg/l	--	--	0.15	*0.17*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.19	--	0.1	--	0.13	--	<0.05	--	0.22
pH (Field)	-	--	--	8.5	8.2	8	8.1	8.5	7.2	6.7	7.8	7.5	8.4
Temperature (Field)	deg c	--	15	--	10	11.5	11	11.9	8.9	11	12.6	12	12
Total Dissolved Solids	mg/l	--	500	--	330	--	295	--	214	--	--	--	265
Total Organic Carbon	mg/l	--	--	--	2.6	--	2.6	--	2.8	--	--	--	2.7
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	33.1	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	0.54	--	0.55	--	0.42	--	0.45	--	0.49
Calcium, dissolved	mg/l	--	--	--	24	--	29	--	30.1	--	28	--	31
Iron, dissolved	mg/l	--	0.3	--	0.01	--	<0.01	--	0.02	--	<0.01	--	<0.03
Magnesium, dissolved	mg/l	--	--	--	10	--	12	--	11.5	--	11	--	13
Potassium, dissolved	mg/l	--	--	--	3	--	4	--	2.5	--	3	--	2
Sodium, dissolved	mg/l	--	200 [10]	--	75	--	62	--	47.9	--	45	--	36
Strontium, dissolved	mg/l	--	--	--	0.261	--	0.439	--	0.569	--	0.651	--	0.831

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	99-4D 28-Sep-2006	99-4D 10-May-2007	99-4D 25-Sep-2007	99-4D 25-May-2008	99-4D 28-Sep-2008	99-4D 02-Jun-2009 A-7	99-4D 10-Sep-2009 A-1	99-4D 05-May-2010 T-6	99-4D 31-Aug-2010 B-3
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	202	--	203	--	186	--	193	--
Ammonia Nitrogen	mg/L	--	--	--	--	0.03	--	<0.02	--	<0.02	--	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	--	8	--	<5	--	10	--	<5	--
Chloride	mg/l	--	250	--	--	5	--	5	--	4	--	5	--
Conductivity (Field)	uS/cm	--	--	--	270	390	395	430	385	396	412	411	415
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*136*	--	*145*	--	*101*	--	*138*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.13	--	0.15	--	<0.10	--	0.11	--
pH (Field)	-	--	--	8.5	8	8.1	8	8.2	8.1	8.21	7.24	7.98	6.89
Temperature (Field)	deg c	--	15	--	12	9	12	12	9	9.7	11.9	14.8	14.7
Total Dissolved Solids	mg/l	--	500	--	--	274	--	280	--	265	--	270	--
Total Organic Carbon	mg/l	--	--	--	--	3.3	--	2.8	--	3.3	--	3.3	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	--	0.43	--	0.47	--	0.62	--	0.47	--
Calcium, dissolved	mg/l	--	--	--	--	33	--	35	--	24	--	34	--
Iron, dissolved	mg/l	--	0.3	--	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	--	13	--	14	--	10	--	13	--
Potassium, dissolved	mg/l	--	--	--	--	2	--	3	--	2	--	3	--
Sodium, dissolved	mg/l	--	200 [10]	--	--	40	--	47	--	47	--	44	--
Strontium, dissolved	mg/l	--	--	--	--	0.87	--	0.947	--	0.677	--	0.747	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-4D 06-May-2011 L-11	99-4D 23-May-2012 99-4D	99-4D 23-Aug-2012 99-4D
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	205	194	--
Ammonia Nitrogen	mg/L	--	--	--	<0.02	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	5	7	--
Chloride	mg/l	--	250	--	5	4	--
Conductivity (Field)	uS/cm	--	--	--	428	408	367
Hardness, Calcium Carbonate	mg/l	--	--	100	*129*	*107*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.10	0.10	--
pH (Field)	-	--	--	8.5	7.97	7.96	7.92
Temperature (Field)	deg c	--	15	--	12.0	11.6	15.6
Total Dissolved Solids	mg/l	--	500	--	269	257	--
Total Organic Carbon	mg/l	--	--	--	3.6	3.3	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--
Metals							
Boron, dissolved	mg/l	5	--	--	0.45	0.33	--
Calcium, dissolved	mg/l	--	--	--	32	28	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	12	9	--
Potassium, dissolved	mg/l	--	--	--	2	2	--
Sodium, dissolved	mg/l	--	200 [10]	--	36	24	--
Strontium, dissolved	mg/l	--	--	--	0.769	0.626	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-4M 10-May-2002	99-4M 17-Sep-2002	99-4M 03-May-2003	99-4M 24-Sep-2003	99-4M 16-Apr-2004	99-4M 23-Sep-2004	99-4M 20-May-2005	99-4M 29-Sep-2005	99-4M 18-May-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	312	--	209	--	217	--	253	--	247
Ammonia Nitrogen	mg/l	--	--	--	0.08	--	0.05	--	0.03	--	0.06	--	0.06
Chemical Oxygen Demand	mg/l	--	--	--	8	--	12	--	11	--	10	--	<5
Chloride	mg/l	--	250	--	7	--	6	--	6.2	--	5	--	4
Conductivity (Field)	uS/cm	--	--	--	610	460	443	500	380	510	740	495	365
Hardness, Calcium Carbonate	mg/l	--	--	100	*302*	--	*243*	--	*232.5*	--	*255*	--	*231*
Nitrogen, Organic	mg/l	--	--	0.15	*0.22*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.3	--	0.29	--	0.26	--	0.2	--	0.27
pH (Field)	-	--	--	8.5	7.6	7.3	7.4	7.5	6.8	7.2	7	7	7.6
Temperature (Field)	deg c	--	15	--	11	13	8.5	12	7.9	10	12	12	12
Total Dissolved Solids	mg/l	--	500	--	397	--	288	--	236	--	--	--	312
Total Organic Carbon	mg/l	--	--	--	3.8	--	5.2	--	4.4	--	--	--	4.4
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	9	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	--	<0.05	--	0.03	--	0.03	--	0.03
Calcium, dissolved	mg/l	--	--	--	93	--	79	--	76.6	--	84	--	76
Iron, dissolved	mg/l	--	0.3	--	0.21	--	0.05	--	0.08	--	0.08	--	0.16
Magnesium, dissolved	mg/l	--	--	--	17	--	11	--	9.96	--	11	--	10
Potassium, dissolved	mg/l	--	--	--	2	--	2	--	1.2	--	2	--	2
Sodium, dissolved	mg/l	--	200 [10]	--	9	--	4	--	3.7	--	4	--	5
Strontium, dissolved	mg/l	--	--	--	0.661	--	0.271	--	0.376	--	0.563	--	0.473

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	99-4M 28-Sep-2006	99-4M 10-May-2007	99-4M 25-Sep-2007	99-4M 25-May-2008	99-4M 28-Sep-2008	99-4M 02-Jun-2009 A-6	99-4M 10-Sep-2009 A-2	99-4M 05-May-2010 T-9	99-4M 31-Aug-2010 B-4
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	261	--	235	--	196	--	210	--
Ammonia Nitrogen	mg/l	--	--	--	--	0.09	--	0.04	--	<0.02	--	0.04	--
Chemical Oxygen Demand	mg/l	--	--	--	--	10	--	<5	--	18	--	10	--
Chloride	mg/l	--	250	--	--	4	--	7	--	4	--	6	--
Conductivity (Field)	uS/cm	--	--	--	310	360	375	481	460	410	425	438	452
Hardness, Calcium Carbonate	mg/l	--	--	100	--	*277*	--	*267*	--	*186*	--	*215*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--	0.19	--	0.24	--	0.14	--	0.30	--
pH (Field)	-	--	--	8.5	7.2	7.7	7.8	7.7	7.8	7.32	6.93	7.26	6.68
Temperature (Field)	deg c	--	15	--	12	10	13	12	9	10.7	10.4	19.2	12.4
Total Dissolved Solids	mg/l	--	500	--	--	344	--	313	--	257	--	276	--
Total Organic Carbon	mg/l	--	--	--	--	4.7	--	4.3	--	5.7	--	6.2	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	--	0.05	--	0.04	--	0.04	--	0.03	--
Calcium, dissolved	mg/l	--	--	--	--	91	--	87	--	63	--	73	--
Iron, dissolved	mg/l	--	0.3	--	--	0.22	--	0.07	--	0.12	--	0.05	--
Magnesium, dissolved	mg/l	--	--	--	--	12	--	12	--	7	--	8	--
Potassium, dissolved	mg/l	--	--	--	--	2	--	2	--	1	--	1	--
Sodium, dissolved	mg/l	--	200 [10]	--	--	10	--	8	--	<2	--	6	--
Strontium, dissolved	mg/l	--	--	--	--	0.49	--	0.529	--	0.316	--	0.339	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-4M 06-May-2011 L-12	99-4M 02-Sep-2011 B-10	99-4M 23-May-2012 99-4M	99-4M 23-Aug-2012 99-4M
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	226	--	218	--
Ammonia Nitrogen	mg/l	--	--	--	0.04	--	0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	20	--	13	--
Chloride	mg/l	--	250	--	4	--	4	--
Conductivity (Field)	uS/cm	--	--	--	442	--	432	405
Hardness, Calcium Carbonate	mg/l	--	--	100	*241*	--	*169*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.26	--	0.21	--
pH (Field)	-	--	--	8.5	7.29	--	7.34	7.41
Temperature (Field)	deg c	--	15	--	11.6	--	12.9	14.1
Total Dissolved Solids	mg/l	--	500	--	281	--	282	--
Total Organic Carbon	mg/l	--	--	--	5.2	--	5.5	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--
Metals								
Boron, dissolved	mg/l	5	--	--	0.03	--	0.02	--
Calcium, dissolved	mg/l	--	--	--	80	--	56	--
Iron, dissolved	mg/l	--	0.3	--	0.03	--	0.05	--
Magnesium, dissolved	mg/l	--	--	--	10	--	7	--
Potassium, dissolved	mg/l	--	--	--	2	--	1	--
Sodium, dissolved	mg/l	--	200 [10]	--	4	--	5	--
Strontium, dissolved	mg/l	--	--	--	0.310	--	0.347	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-4S 10-May-2002	99-4S 03-May-2003	99-4S 16-Apr-2004	99-4S 23-Sep-2004	99-4S 20-May-2005	99-4S 29-Sep-2005	99-4S 18-May-2006	99-4S 10-May-2007	99-4S 25-Sep-2007 [20]
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	304	257	220	--	244	--	251	269	--
Ammonia Nitrogen	mg/l	--	--	--	0.03	<0.02	<0.03	--	0.21	--	<0.02	0.05	--
Chemical Oxygen Demand	mg/l	--	--	--	23	19	19	--	17	--	7	22	--
Chloride	mg/l	--	250	--	6	6	6.7	--	5	--	3	3	--
Conductivity (Field)	uS/cm	--	--	--	642	548	480	480	410	475	395	410	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*283*	*294*	*215.9*	--	*246*	--	*240*	*288*	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.62*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.65	0.44	0.28	--	0.2	--	0.22	0.28	--
pH (Field)	-	--	--	8.5	7.2	7.6	6.9	7	7.1	7.2	7.7	7.4	--
Temperature (Field)	deg c	--	15	--	10	7	9	10	14	12	13	9	--
Total Dissolved Solids	mg/l	--	500	--	417	356	250	--	--	--	323	362	--
Total Organic Carbon	mg/l	--	--	--	8.4	7.9	8.4	--	--	--	6.1	6.2	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	>100	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.02	--	0.03	--	0.04	0.04	--
Calcium, dissolved	mg/l	--	--	--	87	93	69.6	--	82	--	78	94	--
Iron, dissolved	mg/l	--	0.3	--	0.16	<0.01	0.01	--	<0.01	--	<0.03	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	16	15	10.2	--	10	--	11	13	--
Potassium, dissolved	mg/l	--	--	--	4	4	2.6	--	3	--	3	4	--
Sodium, dissolved	mg/l	--	200 [10]	--	22	13	13.5	--	7	--	8	11	--
Strontium, dissolved	mg/l	--	--	--	0.222	0.226	0.149	--	0.17	--	0.118	0.16	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	99-4S 02-Jun-2009 A-3	99-4S 10-Sep-2009 [20] 99-4S	99-4S 05-May-2010 T-3	99-4S 31-Aug-2010 B-5	99-4S 06-May-2011 L-13	99-4S 02-Sep-2011 B-11	99-4S 23-May-2012 99-4S	99-4S 23-Aug-2012 [20] 99-4S
General Chemistry												
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	245	--	216	--	214	--	226	--
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	0.02	--	<0.02	--	<0.02	--
Chemical Oxygen Demand	mg/l	--	--	--	15	--	28	--	33	--	26	--
Chloride	mg/l	--	250	--	4	--	6	--	4	--	4	--
Conductivity (Field)	uS/cm	--	--	--	495	--	447	501	427	--	473	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*257*	--	*259*	--	*216*	--	*182*	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.12	--	0.19	--	0.12	--	0.14	--
pH (Field)	-	--	--	8.5	7.47	--	7.23	6.5	7.22	--	7.32	--
Temperature (Field)	deg c	--	15	--	9.7	--	14.7	12.5	11.3	--	14.3	--
Total Dissolved Solids	mg/l	--	500	--	332	--	300	--	280	--	302	--
Total Organic Carbon	mg/l	--	--	--	6.1	--	6.8	--	6.3	--	5.4	--
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	--	--
Metals												
Boron, dissolved	mg/l	5	--	--	0.04	--	0.03	--	0.02	--	0.02	--
Calcium, dissolved	mg/l	--	--	--	83	--	84	--	70	--	58	--
Iron, dissolved	mg/l	--	0.3	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	--	12	--	12	--	10	--	9	--
Potassium, dissolved	mg/l	--	--	--	3	--	3	--	3	--	2	--
Sodium, dissolved	mg/l	--	200 [10]	--	10	--	8	--	7	--	7	--
Strontium, dissolved	mg/l	--	--	--	0.166	--	0.140	--	0.113	--	0.132	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-5D 10-May-2002	99-5D 03-May-2003	99-5D 18-Apr-2004	99-5D 20-May-2005	99-5D 19-May-2006	99-5D 10-May-2007	99-5D 25-May-2008	99-5D 02-Jun-2009 A-5	99-5D 05-May-2010 T-4
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	245	314	354	341	321	459	458	277	295
Ammonia Nitrogen	mg/L	--	--	--	0.19	4.21	3.04	4.02	2.44	4.84	4.43	2.17	3.11
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	<1	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	16	15	24	18	13	22	19	18	20
Chloride	mg/l	--	250	--	6	16	22.5	20	16	29	30	11	14
Color	color unit	--	5	--	--	--	--	6	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	515	663	610	510	550	590	941	594	681
Hardness, Calcium Carbonate	mg/l	--	--	100	*259*	*314*	*300.8*	*309*	*276*	*383*	*404*	*258*	*282*
Nitrogen, Organic	mg/l	--	--	0.15	*0.28*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.47	19.6	3.08	4.7	2.91	6.74	4.61	2.79	3.28
pH (Field)	-	--	--	8.5	7.6	7	6.8	6.8	6.9	7.4	7.3	6.56	6.88
Temperature (Field)	deg c	--	15	--	10	10	8.6	9	13	10	13	10.9	11.4
Total Dissolved Solids	mg/l	--	500	--	335	431	416	--	471	614	612	382	417
Total Organic Carbon	mg/l	--	--	--	6.5	8.7	8.4	--	6.8	10.6	10	7.1	7.2
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	39.7	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	0.28	0.27	0.3	0.27	0.52	0.57	0.25	0.27
Calcium, dissolved	mg/l	--	--	--	79	91	87.5	89	81	114	119	77	85
Iron, dissolved	mg/l	--	0.3	--	1.13	7.59	6.99	2.84	2.33	3.24	3.97	5.46	3.19
Magnesium, dissolved	mg/l	--	--	--	15	21	19.9	21	18	24	26	16	17
Potassium, dissolved	mg/l	--	--	--	2	6	4.9	6	6	7	7	5	5
Sodium, dissolved	mg/l	--	200 [10]	--	5	24	23.8	42	37	44	64	20	28
Strontium, dissolved	mg/l	--	--	--	0.694	0.893	0.868	0.96	0.838	1.22	1.47	0.844	0.961

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-5D 06-May-2011 L-29	99-5D 23-May-2012 99-5D
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	293	294
Ammonia Nitrogen	mg/L	--	--	--	2.55	3.33
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	15	17
Chloride	mg/l	--	250	--	13	10
Color	color unit	--	5	--	--	--
Conductivity (Field)	uS/cm	--	--	--	630	648
Hardness, Calcium Carbonate	mg/l	--	--	100	*267*	*189*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	2.90	3.28
pH (Field)	-	--	--	8.5	6.87	6.99
Temperature (Field)	deg c	--	15	--	10.0	10.3
Total Dissolved Solids	mg/l	--	500	--	394	402
Total Organic Carbon	mg/l	--	--	--	6.4	6.4
Turbidity	ntu	--	5 [8]	-- [9]	--	--
Metals						
Boron, dissolved	mg/l	5	--	--	0.22	0.25
Calcium, dissolved	mg/l	--	--	--	79	56
Iron, dissolved	mg/l	--	0.3	--	4.84	2.73
Magnesium, dissolved	mg/l	--	--	--	17	12
Potassium, dissolved	mg/l	--	--	--	4	4
Sodium, dissolved	mg/l	--	200 [10]	--	21	22
Strontium, dissolved	mg/l	--	--	--	0.832	0.843

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-5M 10-May-2002	99-5M 03-May-2003	99-5M 18-Apr-2004	99-5M 20-May-2005	99-5M 19-May-2006	99-5M 10-May-2007	99-5M 25-May-2008	99-5M 02-Jun-2009 A-8	99-5M 05-May-2010 T-1
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	253	271	254	248	261	282	280	253	255
Ammonia Nitrogen	mg/L	--	--	--	0.36	0.14	0.06	0.16	0.08	0.12	0.19	0.18	0.15
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	<1	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	8	17	25	14	<5	8	5	10	8
Chloride	mg/l	--	250	--	8	6	5.6	8	4	6	7	4	6
Color	color unit	--	5	--	--	--	--	4	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	539	560	460	480	400	570	598	5	553
Hardness, Calcium Carbonate	mg/l	--	--	100	*266*	*324*	*272.8*	*272*	*272*	*310*	*327*	*260*	*282*
Nitrogen, Organic	mg/l	--	--	0.15	*0.52*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.88	0.37	0.36	0.35	0.23	0.24	0.36	0.22	0.22
pH (Field)	-	--	--	8.5	7.6	--	7	6.9	7	7.2	7.4	7.18	7.13
Temperature (Field)	deg c	--	15	--	10	--	8.4	10	11	10	12	10.0	14.2
Total Dissolved Solids	mg/l	--	500	--	350	364	306	--	346	385	389	342	348
Total Organic Carbon	mg/l	--	--	--	3.6	6.1	6.8	--	4.3	4.8	5.4	5.4	5.2
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	>100	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.04	0.04	0.05	0.06	0.08	0.10	0.11
Calcium, dissolved	mg/l	--	--	--	77	95	81	81	81	93	98	76	85
Iron, dissolved	mg/l	--	0.3	--	0.38	1.3	0.42	0.07	0.42	0.49	0.33	0.84	0.38
Magnesium, dissolved	mg/l	--	--	--	18	21	17.1	17	17	19	20	17	17
Potassium, dissolved	mg/l	--	--	--	2	3	1.4	2	2	3	3	2	3
Sodium, dissolved	mg/l	--	200 [10]	--	6	6	4.3	4	5	7	13	8	10
Strontium, dissolved	mg/l	--	--	--	0.703	0.754	0.684	0.552	0.539	0.617	0.772	0.905	0.873

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-5M 06-May-2011 L-32	99-5M 23-May-2012 99-5M
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	262	260
Ammonia Nitrogen	mg/L	--	--	--	0.14	0.14
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	15	9
Chloride	mg/l	--	250	--	5	4
Color	color unit	--	5	--	--	--
Conductivity (Field)	uS/cm	--	--	--	550	670
Hardness, Calcium Carbonate	mg/l	--	--	100	*260*	*205*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.17	0.25
pH (Field)	-	--	--	8.5	7.12	7.28
Temperature (Field)	deg c	--	15	--	12.0	10.6
Total Dissolved Solids	mg/l	--	500	--	344	352
Total Organic Carbon	mg/l	--	--	--	5.0	4.7
Turbidity	ntu	--	5 [8]	-- [9]	--	--
Metals						
Boron, dissolved	mg/l	5	--	--	0.13	0.09
Calcium, dissolved	mg/l	--	--	--	76	59
Iron, dissolved	mg/l	--	0.3	--	0.99	0.08
Magnesium, dissolved	mg/l	--	--	--	17	14
Potassium, dissolved	mg/l	--	--	--	2	2
Sodium, dissolved	mg/l	--	200 [10]	--	10	8
Strontium, dissolved	mg/l	--	--	--	0.825	0.818

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-5S 10-May-2002	99-5S 03-May-2003	99-5S 18-Apr-2004	99-5S 20-May-2005	99-5S 19-May-2006	99-5S 10-May-2007	99-5S 25-May-2008	99-5S 02-Jun-2009 A-1	99-5S 05-May-2010 T-7
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	448	253	257	245	251	269	274	275	263
Ammonia Nitrogen	mg/L	--	--	--	5.95	0.19	0.36	0.07	0.18	0.03	0.14	0.10	0.07
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--	--	<1	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	32	<5	12	10	<5	15	<5	5	13
Chloride	mg/l	--	250	--	30	7	8.1	8	4	5	6	5	7
Color	color unit	--	5	--	--	--	--	3	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	921	532	420	450	400	510	589	571	568
Hardness, Calcium Carbonate	mg/l	--	--	100	*374*	*296*	*259.2*	*266*	*266*	*300*	*333*	*306*	*307*
Nitrogen, Organic	mg/l	--	--	0.15	*1.61*	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	7.56	0.37	0.61	0.18	0.28	<0.05	0.32	0.18	<0.10
pH (Field)	-	--	--	8.5	--	7.1	7.1	7.1	7.1	7.1	7.2	7.26	7.05
Temperature (Field)	deg c	--	15	--	--	9.5	8.2	10	10	9	12	9.1	14.8
Total Dissolved Solids	mg/l	--	500	--	599	346	304	--	332	374	383	380	363
Total Organic Carbon	mg/l	--	--	--	10.6	3.6	7.2	--	3.3	3.6	3.5	3.7	4.2
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	24.8	--	--	--	--	--
Metals													
Boron, dissolved	mg/l	5	--	--	0.39	<0.05	0.04	0.03	0.03	0.05	0.04	0.04	0.05
Calcium, dissolved	mg/l	--	--	--	107	84	73.2	77	77	89	97	88	90
Iron, dissolved	mg/l	--	0.3	--	5.08	0.64	0.74	0.4	0.27	0.37	0.17	0.08	0.23
Magnesium, dissolved	mg/l	--	--	--	26	21	18.5	18	18	19	22	21	20
Potassium, dissolved	mg/l	--	--	--	8	2	2.2	2	2	3	3	3	3
Sodium, dissolved	mg/l	--	200 [10]	--	45	5	11	5	4	7	12	7	8
Strontium, dissolved	mg/l	--	--	--	2.02	0.6	0.615	0.562	0.558	0.686	0.8	0.783	0.704

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-5S 06-May-2011 L-31	99-5S 23-May-2012 99-5S
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	274	291
Ammonia Nitrogen	mg/L	--	--	--	0.06	0.06
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	5	21
Chloride	mg/l	--	250	--	5	4
Color	color unit	--	5	--	--	--
Conductivity (Field)	uS/cm	--	--	--	557	602
Hardness, Calcium Carbonate	mg/l	--	--	100	*285*	*232*
Nitrogen, Organic	mg/l	--	--	0.15	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.12	0.15
pH (Field)	-	--	--	8.5	7.07	7.26
Temperature (Field)	deg c	--	15	--	13.4	9.6
Total Dissolved Solids	mg/l	--	500	--	363	395
Total Organic Carbon	mg/l	--	--	--	3.8	3.5
Turbidity	ntu	--	5 [8]	-- [9]	--	--
Metals						
Boron, dissolved	mg/l	5	--	--	0.04	0.05
Calcium, dissolved	mg/l	--	--	--	81	65
Iron, dissolved	mg/l	--	0.3	--	0.28	<0.03
Magnesium, dissolved	mg/l	--	--	--	20	17
Potassium, dissolved	mg/l	--	--	--	3	2
Sodium, dissolved	mg/l	--	200 [10]	--	6	9
Strontium, dissolved	mg/l	--	--	--	0.662	0.889

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-6D 15-May-2002	99-6D 17-Sep-2002	99-6D 30-Apr-2003	99-6D 14-Apr-2004	99-6D 25-May-2005	99-6D 04-Jun-2006	99-6D 09-May-2007	99-6D 04-Jun-2008	99-6D 05-Jun-2009 C-19	99-6D 14-May-2010 C-5
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	850	780	800	785	800	785	500	925	1021	1160
Dissolved Oxygen	mg/l	--	--	--	--	--	--	8.58	--	--	--	--	--	--
pH (Field)	-	--	--	8.5	6.3	7	7.1	7.1	7.2	7.3	7.2	7.7	7.49	7.69
Temperature (Field)	deg c	--	15	--	10	14	11	7	10	9	10	10	9.1	8.7

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-6D 05-May-2011 [7] G-9	99-6D 28-May-2012 99-6D
General Chemistry						
Conductivity (Field)	uS/cm	--	--	--	1088	970
Dissolved Oxygen	mg/l	--	--	--	--	--
pH (Field)	-	--	--	8.5	7.65	7.86
Temperature (Field)	deg c	--	15	--	10.5	10.0

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-6M 15-May-2002	99-6M 30-Apr-2003	99-6M 14-Apr-2004	99-6M 25-May-2005	99-6M 30-May-2006	99-6M 09-May-2007	99-6M 04-Jun-2008	99-6M 05-Jun-2009 C-21	99-6M 14-May-2010 C-6	99-6M 05-May-2011 [7] G-10
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	600	580	595	600	480	520	1000	786	712	664
pH (Field)	-	--	--	8.5	6.4	6.6	6.9	6.8	7.3	7.4	7.3	7.02	7.29	7.29
Temperature (Field)	deg c	--	15	--	9	10	5	10	12	10	10	11.8	8.6	9.2

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-6M 28-May-2012 99-6M
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	841
pH (Field)	-	--	--	8.5	7.47
Temperature (Field)	deg c	--	15	--	10.4

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-6S 15-May-2002	99-6S 30-Apr-2003	99-6S 14-Apr-2004	99-6S 25-May-2005	99-6S 30-May-2006	99-6S 09-May-2007	99-6S 04-Jun-2008	99-6S 05-Jun-2009 C-20	99-6S 14-May-2010 C-13	99-6S 05-May-2011 [7] G-11
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	710	670	700	710	700	610	650	761	900	856
pH (Field)	-	--	--	8.5	6.5	6.7	6.9	6.7	7.5	7.3	7.6	7.39	7.28	7.40
Temperature (Field)	deg c	--	15	--	10	11	6	10	11	9	11	9.5	8	9.0

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-6S 28-May-2012 99-6S
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	775
pH (Field)	-	--	--	8.5	7.45
Temperature (Field)	deg c	--	15	--	10.0

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-7D 06-May-2002	99-7D 24-Apr-2003	99-7D 08-Apr-2004	99-7D 18-May-2005	99-7D 06-Jun-2006	99-7D 08-May-2007	99-7D 24-May-2008	99-7D 03-Jun-2009 D-4	99-7D 11-May-2010 A-27	99-7D 05-May-2011 [7] G-19
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	1000	660	1150	610	625	335	440	1540	1021	1303
pH (Field)	-	--	--	8.5	6.9	7	7.1	7	7.1	7.3	7.1	8	7.68	7.39
Temperature (Field)	deg c	--	15	--	8	8	5	9	8	8	10	12	9.7	9.5

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-7D 18-May-2012 A-3
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	1165
pH (Field)	-	--	--	8.5	7.57
Temperature (Field)	deg c	--	15	--	8.4

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-7M 06-May-2002	99-7M 24-Apr-2003	99-7M 08-Apr-2004	99-7M 18-May-2005	99-7M 06-Jun-2006	99-7M 08-May-2007	99-7M 24-May-2008	99-7M 03-Jun-2009 D-5	99-7M 11-May-2010 A-28	99-7M 05-May-2011 [7] G-20
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	800	480	700	700	685	325	480	1620	992	1041
pH (Field)	-	--	--	8.5	6.7	6.9	7	7.1	7.2	7.4	7.2	8.1	7.89	7.79
Temperature (Field)	deg c	--	15	--	9	10	4	9	9	8	11	12	9.1	8.1

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-7M 18-May-2012 A-7
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	1150
pH (Field)	-	--	--	8.5	7.70
Temperature (Field)	deg c	--	15	--	9.0

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-7S 06-May-2002	99-7S 24-Apr-2003	99-7S 08-Apr-2004	99-7S 18-May-2005	99-7S 24-May-2006	99-7S 08-May-2007	99-7S 24-May-2008	99-7S 03-Jun-2009 D-6	99-7S 11-May-2010 A-32	99-7S 05-May-2011 [7] G-21
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	240	230	350	350	310	290	410	445	378	--
pH (Field)	-	--	--	8.5	6.8	6.7	7	7	7.4	7.3	7.5	8.2	7.53	--
Temperature (Field)	deg c	--	15	--	8	9	5	10	11.9	8	10	13	8.3	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-7S 18-May-2012 A-6
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	467
pH (Field)	-	--	--	8.5	7.33
Temperature (Field)	deg c	--	15	--	8.2

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-8D 13-May-2002	99-8D 24-Apr-2003	99-8D 08-Apr-2004	99-8D 18-May-2005	99-8D 24-May-2006	99-8D 08-May-2007	99-8D 24-May-2008	99-8D 03-Jun-2009 D-7	99-8D 11-May-2010 A-26	99-8D 10-May-2011 [18] 99-8D
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	605	775	370	790	275	265	300	410	270	--
pH (Field)	-	--	--	8.5	6.9	7.1	7.1	7.3	7.4	7.5	7.8	7.8	7.18	--
Temperature (Field)	deg c	--	15	--	10	8	6	9	10	8	10	12	8.7	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-8D 18-May-2012 A-10
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	242
pH (Field)	-	--	--	8.5	6.87
Temperature (Field)	deg c	--	15	--	8.7

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-8M 10-May-2011 A-27	99-8M 18-May-2012 A-9
General Chemistry						
Conductivity (Field)	uS/cm	--	--	--	269	292
pH (Field)	-	--	--	8.5	6.98	7.10
Temperature (Field)	deg c	--	15	--	10.1	9.5

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-8S 13-May-2002	99-8S 24-Apr-2003	99-8S 08-Apr-2004	99-8S 18-May-2005	99-8S 24-May-2006	99-8S 08-May-2007	99-8S 24-May-2008	99-8S 03-Jun-2009 D-8	99-8S 11-May-2010 A-25	99-8S 10-May-2011 A-25
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	380	670	300	710	250	215	290	395	340	288
pH (Field)	-	--	--	8.5	6.8	6.8	6.8	7.1	7.3	7.4	7.3	7.7	7.46	7.04
Temperature (Field)	deg c	--	15	--	10	10	5	9	10	9	11	13	9.2	10.4

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-8S 18-May-2012 A-8
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	252
pH (Field)	-	--	--	8.5	6.97
Temperature (Field)	deg c	--	15	--	9.4

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-9D 06-May-2002	99-9D 24-Apr-2003	99-9D 08-Apr-2004	99-9D 18-May-2005	99-9D 24-May-2006	99-9D 08-May-2007	99-9D 24-May-2008	99-9D 03-Jun-2009 D-10	99-9D 13-May-2010 A-23	99-9D 05-May-2011 G-16
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	210	240	300	310	320	335	390	395	459	455
pH (Field)	-	--	--	8.5	6.5	6.7	7	7.3	8.3	8.1	7.9	7.9	7.98	8.07
Temperature (Field)	deg c	--	15	--	8	9	6	9	10	8	10	12	9	10.5

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-9D 18-May-2012 A-16
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	425
pH (Field)	-	--	--	8.5	7.88
Temperature (Field)	deg c	--	15	--	9.3

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-9M 06-May-2002	99-9M 24-Apr-2003	99-9M 08-Apr-2004	99-9M 18-May-2005	99-9M 24-May-2006	99-9M 08-May-2007	99-9M 24-May-2008	99-9M 03-Jun-2009 D-11	99-9M 13-May-2010 A-20	99-9M 05-May-2011 [7] G-17
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	240	160	360	240	200	295	380	380	253	267
pH (Field)	-	--	--	8.5	6.6	6.9	6.8	7.2	7	7.2	7.3	7.6	7.1	7.05
Temperature (Field)	deg c	--	15	--	9	10	5	9	9.7	9	11	13	8.6	8.7

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-9M 18-May-2012 A-5
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	255
pH (Field)	-	--	--	8.5	7.02
Temperature (Field)	deg c	--	15	--	8.1

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-9S 06-May-2002	99-9S 24-Apr-2003	99-9S 08-Apr-2004	99-9S 18-May-2005	99-9S 24-May-2006	99-9S 08-May-2007	99-9S 24-May-2008	99-9S 03-Jun-2009 D-12	99-9S 13-May-2010 A-19	99-9S 05-May-2011 [7] G-18
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	170	150	260	310	200	300	300	425	255	245
pH (Field)	-	--	--	8.5	6.5	6.8	6.7	7.2	6.9	6.9	7	7.7	6.95	6.80
Temperature (Field)	deg c	--	15	--	10	12	6	9	10	9	11	14	7.9	9.0

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-9S 18-May-2012 A-11
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	240
pH (Field)	-	--	--	8.5	6.94
Temperature (Field)	deg c	--	15	--	8.4

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-10D 06-May-2002	99-10D 24-Apr-2003	99-10D 08-Apr-2004	99-10D 18-May-2005	99-10D 24-May-2006	99-10D 08-May-2007	99-10D 24-May-2008	99-10D 03-Jun-2009 D-1	99-10D 11-May-2010 A-30	99-10D 05-May-2011 [7] G-13
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	2900	2190	2700	410	3300	3360	3160	3050	3277	2120
pH (Field)	-	--	--	8.5	6.6	6.7	6.8	6.8	7.3	7	7.2	8.2	7.53	7.34
Temperature (Field)	deg c	--	15	--	8	9	5	8	10	9	11	12	9.7	10.8

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-10D 18-May-2012 A-1
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	2409
pH (Field)	-	--	--	8.5	7.1
Temperature (Field)	deg c	--	15	--	9.2

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-10M 06-May-2002	99-10M 24-Apr-2003	99-10M 08-Apr-2004	99-10M 18-May-2005	99-10M 24-May-2006	99-10M 08-May-2007	99-10M 24-May-2008	99-10M 03-Jun-2009 D-2	99-10M 11-May-2010 A-31	99-10M 05-May-2011 [7] G-15
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	1200	1140	1500	1100	1500	1350	1300	1530	1425	--
pH (Field)	-	--	--	8.5	6.8	6.9	6.9	6.9	7.4	7.1	7.2	8.2	7.49	--
Temperature (Field)	deg c	--	15	--	8	10	5	9	10	9	12	13	8.7	--

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-10M 18-May-2012 A-2
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	988
pH (Field)	-	--	--	8.5	7.12
Temperature (Field)	deg c	--	15	--	8.7

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-10S 06-May-2002	99-10S 24-Apr-2003	99-10S 08-Apr-2004	99-10S 18-May-2005	99-10S 24-May-2006	99-10S 08-May-2007	99-10S 24-May-2008	99-10S 03-Jun-2009 D-3	99-10S 11-May-2010 A-29	99-10S 05-May-2011 [7] G-14
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	390	610	750	700	2000	1800	1625	1920	2472	635
pH (Field)	-	--	--	8.5	6.7	6.9	7	6.9	7.3	6.9	7.1	7.9	7.14	6.92
Temperature (Field)	deg c	--	15	--	9	10	4	8	9	9	11	11	7.4	7.7

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-10S 18-May-2012 A-4
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	1270
pH (Field)	-	--	--	8.5	7.02
Temperature (Field)	deg c	--	15	--	7.5

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-11D 06-May-2002	99-11D 22-Apr-2003	99-11D 12-Apr-2004	99-11D 18-May-2005	99-11D 24-May-2006	99-11D 08-May-2007	99-11D 24-May-2008	99-11D 03-Jun-2009 D-13	99-11D 13-May-2010 A-17	99-11D 05-May-2011 [7] G-23
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	400	460	410	440	410	400	460	505	563	530
pH (Field)	-	--	--	8.5	6.3	6.5	6.7	6.8	8.3	8.1	7.8	7.8	7.46	8.00
Temperature (Field)	deg c	--	15	--	8	--	5	10	9	9	11	13	11.3	11.1

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-11D 25-May-2012 99-11D
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	506
pH (Field)	-	--	--	8.5	7.77
Temperature (Field)	deg c	--	15	--	10.9

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-11M 06-May-2002	99-11M 22-Apr-2003	99-11M 12-Apr-2004	99-11M 18-May-2005	99-11M 24-May-2006	99-11M 08-May-2007	99-11M 24-May-2008	99-11M 03-Jun-2009 D-14	99-11M 13-May-2010 B-4	99-11M 05-May-2011 [7] G-24
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	760	490	420	400	480	520	610	600	615	572
pH (Field)	-	--	--	8.5	6.4	6.5	6.6	6.7	7.8	7.7	7.7	7.6	7.67	7.83
Temperature (Field)	deg c	--	15	--	4	9	6	9	10	9	10	12	9.1	9.7

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-11M 25-May-2012 99-11M
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	569
pH (Field)	-	--	--	8.5	7.68
Temperature (Field)	deg c	--	15	--	10.8

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-11S 06-May-2002	99-11S 22-Apr-2003	99-11S 12-Apr-2004	99-11S 18-May-2005	99-11S 24-May-2006	99-11S 08-May-2007	99-11S 24-May-2008	99-11S 03-Jun-2009 D-15	99-11S 13-May-2010 [11] A-16
General Chemistry													
Conductivity (Field)	uS/cm	--	--	--	420	410	500	440	450	410	405	495	593
pH (Field)	-	--	--	8.5	6.4	6.6	6.7	6.8	7.8	7.7	7.5	7.5	7.5
Temperature (Field)	deg c	--	15	--	9	--	5	10	9	10	10	13	9.2

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	99-11S 05-May-2011 [7] G-25	99-11S 25-May-2012 99-11S
General Chemistry						
Conductivity (Field)	uS/cm	--	--	--	545	530
pH (Field)	-	--	--	8.5	7.63	7.55
Temperature (Field)	deg c	--	15	--	9.1	9.5

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	LEACHATE 15-May-2002	LEACHATE 17-Sep-2002	LEACHATE 08-May-2003	LEACHATE 23-Sep-2003	LEACHATE 14-Apr-2004	LEACHATE 25-Sep-2004	LEACHATE 30-May-2005	LEACHATE 28-Sep-2005	LEACHATE 06-Jun-2006
General Chemistry													
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	391	907	413	883	445	515	573	726	501
Ammonia Nitrogen	mg/l	--	--	--	12.5	48	12.9	50	14.7	16.6	24.1	32.4	14.2
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	6	6	4	4	8.3	6.2	12	5	2
Bromide	mg/l	--	--	--	0.14	1.24	0.25	1.26	<0.5	<0.5	0.52	0.57	0.21
Chemical Oxygen Demand	mg/l	--	--	--	33	110	33	98	48	138	156	73	29
Chloride	mg/l	--	250	--	31	218	38	211	39.1	55.3	87	126	36
Color	color unit	--	5	--	13	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	1350	1900	908	2240	2110	2610	1290	1500	2895
Cyanide	mg/l	0.2	--	--	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.02	0.009	<0.005
Fluoride	mg/l	1.5	--	--	0.6	0.41	0.19	0.93	0.1	0.2	0.23	0.21	0.19
Hardness, Calcium Carbonate	mg/l	--	--	100	*351*	*669*	*346*	*592*	*370.8*	*376.8*	*409*	*513*	*378*
Nitrate as N	mg/l	10	--	--	0.43	<0.1	0.4	<0.1	0.9	<0.2	<0.1	0.32	<0.1
Nitrite as N	mg/l	1	--	--	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	<0.2	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*2.8*	*11.5*	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	15.3	59.5	13.6	54.7	14.9	17.6	28.8	31	16.1
pH (Field)	-	--	--	8.5	6.8	6.6	6.6	6.7	6.5	6.4	6.6	6.7	6.6
Phosphate	mg/l	--	--	--	<0.03	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	0.02	0.07	--	--	<0.05	<0.05	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	0.18	0.12	--	--	0.07	0.11	0.05
Sulfate	mg/l	--	500 [12]	--	36	16	20	22	26.9	9.9	10	32	8
Temperature (Field)	deg c	--	15	--	14	14	16	14	8	17	14	20	11
Total Dissolved Solids	mg/l	--	500	--	--	1500	590	1460	468	578	839	1100	650
Total Organic Carbon	mg/l	--	--	--	--	38.3	11	30.6	16.2	47.4	43.8	23.5	11.7
Turbidity	ntu	--	5 [8]	-- [9]	44.9	--	--	--	--	--	--	--	--
Metals													
Aluminum	mg/l	--	--	0.1	<0.05	0.04	<0.01	0.01	0.005	0.007	<0.01	<0.01	<0.01
Arsenic	mg/l	0.025	--	--	0.001	0.001	0.002	0.002	<0.002	<0.002	0.002	0.002	0.001
Barium	mg/l	1	--	--	0.1	0.35	0.11	0.49	0.098	0.143	0.31	0.24	0.15
Beryllium	mg/l	--	--	--	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	5	--	--	0.23	0.84	0.23	0.83	0.332	0.274	0.4	0.68	0.27
Cadmium	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/l	--	--	--	96	169	94	143	99.1	101	106	133	102
Chromium	mg/l	0.05	--	--	0.003	0.013	0.003	0.028	<0.005	<0.005	0.003	<0.005	0.002
Cobalt	mg/l	--	--	--	0.0016	0.0025	0.0018	0.0034	0.0012	0.0013	0.003	0.0028	0.0012
Copper	mg/l	--	1	--	0.003	<0.001	<0.001	0.001	0.0012	0.0009	<0.001	0.001	<0.001
Hexavalent Chromium	mg/l	--	--	--	<0.05	--	--	--	--	--	--	--	--
Iron	mg/l	--	0.3	--	6.39	24.6	7.79	30.2	3.04	9.59	73.1	8.76	12.3
Lead	mg/l	0.01	--	--	0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.001	<0.001
Magnesium	mg/l	--	--	--	27	60	27	57	29.9	29.9	35	44	30
Manganese	mg/l	--	0.05	--	0.38	0.646	0.502	0.632	0.493	0.509	0.83	0.73	0.47
Molybdenum	mg/l	--	--	--	<0.01	<0.005	0.009	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005
Nickel	mg/l	--	--	--	<0.01	<0.005	<0.005	0.016	0.006	0.005	0.011	0.016	0.008
Potassium	mg/l	--	--	--	10	48	10	52	10.3	10.3	17	22	10
Silver	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium	mg/l	--	200 [10]	--	33	193	33	190	34.1	39.2	68	91	33
Strontium	mg/l	--	--	--	0.246	0.951	0.27	1.23	0.273	0.346	0.567	0.765	0.326
Thallium	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.00005	0.0001	<0.0001	<0.0001	<0.0001
Titanium	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.01	<0.01	<0.01
Vanadium	mg/l	--	--	--	<0.001	0.004	0.001	0.01	0.0009	0.0015	0.003	0.02	0.003
Zinc	mg/l	--	5	--	<0.01	<0.005	0.006	0.03	0.013	0.016	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	LEACHATE 15-May-2002	LEACHATE 17-Sep-2002	LEACHATE 08-May-2003	LEACHATE 23-Sep-2003	LEACHATE 14-Apr-2004	LEACHATE 25-Sep-2004	LEACHATE 30-May-2005	LEACHATE 28-Sep-2005	LEACHATE 06-Jun-2006
Zirconium	mg/l	--	--	--	0.005	0.007	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.005
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001	<0.001	0.003	0.004	0.008	0.004	0.002	<0.001

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	LEACHATE 30-Sep-2006	LEACHATE 14-May-2007	LEACHATE 26-Sep-2007	LEACHATE 27-May-2008	LEACHATE 29-Sep-2008	LEACHATE 08-Jun-2009 J-18	LEACHATE 11-Sep-2009 B-3	LEACHATE 14-May-2010 C-18
General Chemistry												
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	798	501	963	466	727	447	834	454
Ammonia Nitrogen	mg/l	--	--	--	43.6	19	65.3	17.9	36.9	14.7	46.2	15.6
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	4	5	5	4	4	4	5	3
Bromide	mg/l	--	--	--	0.97	0.16	1.65	<0.25	0.93	0.27	1.13	0.26
Chemical Oxygen Demand	mg/l	--	--	--	86	33	108	40	70	38	79	33
Chloride	mg/l	--	250	--	155	58	250	51	139	46	174	--
Color	color unit	--	5	--	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	3385	1825	1980	1040	2995	1900	1698	1101
Cyanide	mg/l	0.2	--	--	0.005	<0.005	<0.005	<0.005	0.028	<0.005	--	<0.01
Fluoride	mg/l	1.5	--	--	0.31	0.21	0.43	0.16	0.31	0.16	0.24	0.17
Hardness, Calcium Carbonate	mg/l	--	--	100	*561*	*376*	*585*	*351*	*459*	*315*	*512*	*367*
Nitrate as N	mg/l	10	--	--	0.16	0.25	0.19	0.18	<0.1	0.62	0.14	0.61
Nitrite as N	mg/l	1	--	--	0.11	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	45.5	19.2	68.5	19.6	39.7	15.0	94.6	16.0
pH (Field)	-	--	--	8.5	6.8	6.7	6.8	6.7	6.7	7.05	6.88	6.61
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	0.08	0.04	0.1	<0.01	<0.01	<0.01	<0.01	0.01
Sulfate	mg/l	--	500 [12]	--	37	11	8	7	11	7	13	9
Temperature (Field)	deg c	--	15	--	10	14	16	15	12	10.4	14.6	12.4
Total Dissolved Solids	mg/l	--	500	--	1290	715	1640	676	1160	632	1350	640
Total Organic Carbon	mg/l	--	--	--	23.9	14	41.6	13.6	23.2	12.2	28.3	12.0
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--	--	--	--
Metals												
Aluminum	mg/l	--	--	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01
Arsenic	mg/l	0.025	--	--	0.001	0.001	0.004	0.001	0.001	0.001	0.003	<0.001
Barium	mg/l	1	--	--	0.22	0.13	0.34	0.14	0.21	0.09	0.30	0.12
Beryllium	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	5	--	--	0.73	0.34	1.18	0.26	0.63	0.24	0.80	0.26
Cadmium	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/l	--	--	--	139	98	132	91	118	80	126	96
Chromium	mg/l	0.05	--	--	0.006	0.003	<0.005	0.009	0.008	0.004	<0.005	0.003
Cobalt	mg/l	--	--	--	0.0029	0.0168	0.0051	0.0019	0.002	0.0012	0.0030	0.0012
Copper	mg/l	--	1	--	0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001	0.001
Hexavalent Chromium	mg/l	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/l	--	0.3	--	0.56	7.42	11.7	7.43	1.01	4.85	17.8	4.75
Lead	mg/l	0.01	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	--	--	--	52	32	62	30	40	28	48	31
Manganese	mg/l	--	0.05	--	0.6	0.47	0.44	0.41	0.61	0.23	0.73	0.30
Molybdenum	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel	mg/l	--	--	--	0.015	0.013	0.027	0.008	0.012	0.005	0.016	0.006
Potassium	mg/l	--	--	--	33	15	48	14	25	11	30	12
Silver	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium	mg/l	--	200 [10]	--	128	50	195	46	104	39	133	43
Strontium	mg/l	--	--	--	0.916	0.404	1.16	0.322	0.826	0.304	1.06	0.341
Thallium	mg/l	--	--	--	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	mg/l	--	--	--	0.009	0.003	0.019	0.013	0.014	0.009	0.022	0.007
Zinc	mg/l	--	5	--	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	LEACHATE 30-Sep-2006	LEACHATE 14-May-2007	LEACHATE 26-Sep-2007	LEACHATE 27-May-2008	LEACHATE 29-Sep-2008	LEACHATE 08-Jun-2009 J-18	LEACHATE 11-Sep-2009 B-3	LEACHATE 14-May-2010 C-18
Zirconium	mg/l	--	--	--	<0.001	<0.001	0.001	<0.001	<0.05	<0.002	<0.002	<0.002
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	LEACHATE 01-Sep-2010 [21] B-29	LEACHATE 11-May-2011 [22] J-8	LEACHATE 06-Sep-2011 [23] B-36	LEACHATE 25-May-2012 [23] Leachate	LEACHATE 27-Aug-2012 [24] Leachate
General Chemistry									
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	537	501	791	450	*876*
Ammonia Nitrogen	mg/l	--	--	--	19.6	16.3	44.1	13.9	49.7
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	3	7	6	6	6
Bromide	mg/l	--	--	--	0.35	0.36	2.58	0.35	4.49
Chemical Oxygen Demand	mg/l	--	--	--	40	30	78	31	90
Chloride	mg/l	--	250	--	59	42	149	42	176
Color	color unit	--	5	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	1065	--	--	941	1973
Cyanide	mg/l	0.2	--	--	<0.01	<0.002	<0.01	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	0.20	0.18	0.34	0.16	0.38
Hardness, Calcium Carbonate	mg/l	--	--	100	*410*	*409*	*492*	*342*	*530*
Nitrate as N	mg/l	10	--	--	0.35	0.29	0.16	0.76	0.85
Nitrite as N	mg/l	1	--	--	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate-Nitrite	mg/l	10	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	20.6	17.4	45.2	15.2	52.4
pH (Field)	-	--	--	8.5	6.55	--	--	6.50	7.06
Phosphate	mg/l	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	0.02	<0.01	0.01	<0.01	<0.01
Sulfate	mg/l	--	500 [12]	--	15	7	16	8	8
Temperature (Field)	deg c	--	15	--	22.6	--	--	17	17.7
Total Dissolved Solids	mg/l	--	500	--	774	656	1210	619	1390
Total Organic Carbon	mg/l	--	--	--	14.3	12.8	27.1	13.2	31.5
Turbidity	ntu	--	5 [8]	-- [9]	--	--	--	--	--
Metals									
Aluminum	mg/l	--	--	0.1	<0.01	<0.01	0.02	0.01	0.01
Arsenic	mg/l	0.025	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Barium	mg/l	1	--	--	0.17	0.14	0.29	0.14	0.37
Beryllium	mg/l	--	--	--	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Boron	mg/l	5	--	--	0.39	0.29	0.66	0.26	0.82
Cadmium	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/l	--	--	--	108	111	126	89	133
Chromium	mg/l	0.05	--	--	0.004	0.003	<0.005	<0.005	0.008
Cobalt	mg/l	--	--	--	0.0015	0.0016	0.0028	0.0013	0.0029
Copper	mg/l	--	1	--	0.001	0.002	<0.001	0.001	<0.001
Hexavalent Chromium	mg/l	--	--	--	--	--	--	--	--
Iron	mg/l	--	0.3	--	8.28	11.2	18.2	9.96	15.6
Lead	mg/l	0.01	--	--	<0.001	0.002	<0.001	<0.001	<0.001
Magnesium	mg/l	--	--	--	34	32	43	29	48
Manganese	mg/l	--	0.05	--	0.43	0.53	0.57	0.38	0.58
Molybdenum	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel	mg/l	--	--	--	0.007	0.008	0.014	0.006	0.020
Potassium	mg/l	--	--	--	15	12	28	11	35
Silver	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium	mg/l	--	200 [10]	--	50	41	114	36	140
Strontium	mg/l	--	--	--	0.483	0.344	0.840	0.333	1.08
Thallium	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	mg/l	--	--	--	0.008	0.005	<0.005	<0.005	<0.1
Zinc	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	LEACHATE 01-Sep-2010 [21] B-29	LEACHATE 11-May-2011 [22] J-8	LEACHATE 06-Sep-2011 [23] B-36	LEACHATE 25-May-2012 [23] Leachate	LEACHATE 27-Aug-2012 [24] Leachate
Zirconium	mg/l	--	--	--	<0.002	<0.002	<0.002	<0.002	<0.002
Phenols									
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.005	0.002	0.001	<0.001

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	MW-2D 07-May-2002	MW-2D 30-Apr-2003	MW-2D 12-Apr-2004	MW-2D 15-May-2005	MW-2D 30-May-2006	MW-2D 09-May-2007	MW-2D 27-May-2008	MW-2D 08-Jun-2009 J-6	MW-2D 14-May-2010 C-12	MW-2D 05-May-2011 [7] G-7
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	600	610	640	810	950	1010	1100	1073	--	1170
pH (Field)	-	--	--	8.5	7	7.1	7	7.2	7.3	7.3	7.4	7.05	--	6.99
Temperature (Field)	deg c	--	15	--	8	4	6	9	12	10	11	12.2	--	12.0

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	MW-2D 28-May-2012 MW-2D
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	1180
pH (Field)	-	--	--	8.5	7.06
Temperature (Field)	deg c	--	15	--	12.4

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	MW-2M 07-May-2002	MW-2M 30-Apr-2003	MW-2M 12-Apr-2004	MW-2M 15-May-2005	MW-2M 30-May-2006	MW-2M 09-May-2007	MW-2M 27-May-2008	MW-2M 08-Jun-2009 J-7	MW-2M 14-May-2010 C-7	MW-2M 05-May-2011 [7] G-8
General Chemistry														
Conductivity (Field)	uS/cm	--	--	--	690	660	720	775	650	700	660	862	875	892
pH (Field)	-	--	--	8.5	7.4	7.3	7.4	7.3	7.3	7.3	7.4	7.18	6.86	7.09
Temperature (Field)	deg c	--	15	--	9	10	5	10	13	10	10	10.5	8.2	9.7

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS-OG	MW-2M 28-May-2012 MW-2M
General Chemistry					
Conductivity (Field)	uS/cm	--	--	--	859
pH (Field)	-	--	--	8.5	7.18
Temperature (Field)	deg c	--	15	--	10.7

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	MW-3D 07-May-2002	MW-3D 30-Apr-2003	MW-3D 12-Apr-2004
General Chemistry							
Conductivity	uS/cm	--	--	--	--	480	585
pH	-	--	--	8.5	--	7	6.9
Temperature	deg c	--	15	--	--	4	5

Parameter	Unit	[2] [1] ODWQS (169/03)-Health	[4] [3] ODWQS AO	[6] [5] ODWQS OG	MW-3M 07-May-2002	MW-3M 30-Apr-2003	MW-3M 12-Apr-2004
General Chemistry							
Conductivity	uS/cm	--	--	--	640	610	395
pH	-	--	--	8.5	7.2	7.1	7.2
Temperature	deg c	--	15	--	9	10	6

Footnotes:
Tables should be read in conjunction with the accompanying document.
< value = Indicates parameter not detected above laboratory method detection limit.
> value = Indicates parameter detected above equipment analytical range.
-- Chemical not analyzed or criteria not defined.
Grey background indicates exceedances.
(1) Ontario Drinking Water Quality Standards - Health Based Standards
(2) Bold Font = Parameter concentration greater than ODWQS(169/03)-Health
(3) Ontario Drinking Water Quality Standards - Aesthetic Objectives. Aesthetic Objectives are established for parameters that may impair the taste, odour or colour of water or which may interfere with good water quality control practices. For certain parameters, both aesthetic objectives and health-related MACs have been derived.
(4) Underlined Font = Parameter concentration greater than ODWQS-AO
(5) Ontario Drinking Water Quality Standards - Operational Guidelines. Operational Guidelines are established for parameters that, if not controlled, may negatively affect the efficient and effective treatment, disinfection and distribution of the water.
(6) Italic Font = Parameter concentration greater than ODWQS-OG
(7) Due to matrix interference 2x dilution factor required for VOCs (sediment).
(8) Applicable for all waters at the point of consumption.
(9) The Operational Guidelines for filtration processes are provided as performance criteria in the Procedure for Disinfection of Drinking Water in Ontario.
(10) The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.
(11) Cyanide was analysed at Exova Pointe-Claire.
(12) There may be a laxative effect in some individuals when sulphate levels exceed 500 mg/L.
(13) Arsenic MRL elevated due to matrix interference.
(14) VOC MRL elevated due to matrix interference.
(15) TOC and COD sample was not shaken prior to analysis due to sediment.
(16) Sample was subcontracted for cyanide analysis.
(17) Metals MRL elevated due to matrix interference.
(18) Monitoring location was damaged and could not be sampled.
(19) COD sample was not shaken prior to analysis due to sediment.
(20) Monitoring location was dry during this sampling event. No sample was collected.
(21) Arsenic MRL elevated due to matrix interference. Cyanide was analysed at Exova Pointe Claire.
(22) Cyanide was analysed at Paracel Laboratories Ltd. Phenols MRL was increased due to matrix interference.
(23) Sample was subcontracted for cyanide analysis. Arsenic MRL elevated due to matrix interference.
(24) Arsenic and Vanadium MRL elevated due to matrix interference. Sediment was not included in Metals analysis.

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Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2D 06-Jun-2013 S-56	90-2D 18-Jun-2014 90-2D	90-2D 11-Jun-2015 90-2D	90-2D 14-Jun-2016 S-95	90-2D 14-Jun-2017 90-2D	90-2D 14-Jun-2018 90-2D	90-2D 18-Jun-2019 90-2D	90-2D 28-May-2020 90-2D	90-2D 23-Jun-2021 90-2D	90-2D 14-Sept-2021 90-2D
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	282	281	303	303	241	288	270	312	--	314
Ammonia Nitrogen	mg/l	--	--	0.11	0.04	<0.05	0.041	0.21	<0.02	0.017	0.036	--	0.068
Chemical Oxygen Demand	mg/l	--	--	9	<5	13	14	65	10	12	9	--	7
Chloride	mg/l	--	250	8	8	11	9	6	8	11	7	--	15
Conductivity	uS/cm	--	--	597	578	636	581	503	557	555	566	--	615
Conductivity (Field)	uS/cm	--	--	636	588	570	615	640	660	697	513	--	690
Hardness, Calcium Carbonate	mg/l	--	--	329	329	361	335	277	310	311	302	--	325
Nitrogen, Total Kjeldahl	mg/l	--	--	0.12	0.18	0.17	0.36	3.1	<0.8	0.22	0.346	--	1.04
pH													
pH (Field)	-	--	--	7.1	7.35	7.2	7.3	7.3	7.2	7.2	6.73	--	7.35
Temperature (Field)	deg c	--	15	11	15.7	10	13	12	13	14	14.9	--	12
Total Dissolved Solids	mg/l	--	500	388	376	413	378	327	362	361	368	--	400
Total Organic Carbon	mg/l	--	--	2.9	3.3	3.5	5.4	10.8	4.3	3.5	2.9	--	4.3
Metals													
Boron, dissolved	mg/l	5	--	0.10	0.13	0.18	0.06	0.04	0.16	0.12	0.12	--	0.17
Calcium, dissolved	mg/l	--	--	97	97	105	106	86	91	95	93	--	94
Iron, dissolved	mg/l	--	0.3	0.79	0.77	0.86	0.41	1.08	0.95	0.79	0.82	--	1.98
Magnesium, dissolved	mg/l	--	--	21	21	24	17	15	20	18	17	--	22
Potassium, dissolved	mg/l	--	--	2	2	2	3	2	2	2	2	--	3
Sodium, dissolved	mg/l	--	200 [3]	8	7	8	5	4	7	6	6	--	8
Strontium, dissolved	mg/l	--	--	1.27	1.41	1.47	0.203	0.187	1.24	1.36	1.30	--	1.44
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-3D 05-Jun-2013 S-33	90-3D 18-Jun-2014 90-3D	90-3D 03-Jun-2015 90-3d	90-3D 14-Jun-2016 S-97	90-3D 14-Jun-2017 90-3D	90-3D 14-Jun-2018 90-3D	90-3D 18-Jun-2019 90-3D	90-3D 28-May-2020 90-3D	90-3D 25-Jun-2021 90-3D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	400	423	424	440	463	449	433	425	462
Ammonia Nitrogen	mg/l	--	--	0.16	0.15	0.32	0.096	1.83	0.98	0.255	0.188	<0.010
Chemical Oxygen Demand	mg/l	--	--	18	15	35	16	48	26	<5	12	8
Chloride	mg/l	--	250	93	93	97	95	101	100	95	74	78
Conductivity	uS/cm	--	--	1070	1090	1090	1090	1120	1070	1090	963	1020
Conductivity (Field)	uS/cm	--	--	885	1104	1060	1205	990	655	835	912	660
Hardness, Calcium Carbonate	mg/l	--	--	516	551	531	537	536	516	525	431	530
Nitrogen, Total Kjeldahl	mg/l	--	--	0.43	0.42	0.69	0.63	3.8	1.4	0.61	0.759	0.930
pH												
pH (Field)	-	--	--	6.9	7.29	7.4	7.4	7.3	7.3	7.3	7.18	7.8
Temperature (Field)	deg c	--	15	13	14.0	12	11	13	12	13	18.2	12,8
Total Dissolved Solids	mg/l	--	500	696	708	708	708	728	696	708	626	663
Total Organic Carbon	mg/l	--	--	5.2	6.1	6.3	5.0	18.3	8.2	5.4	4.9	3.3
Metals												
Boron, dissolved	mg/l	5	--	0.12	0.13	0.15	0.16	0.16	0.17	0.15	0.18	0.09
Calcium, dissolved	mg/l	--	--	124	135	127	131	129	126	131	110	125
Iron, dissolved	mg/l	--	0.3	4.03	4.01	4.01	2.01	2.36	3.50	3.24	1.92	1.08
Magnesium, dissolved	mg/l	--	--	50	52	52	51	52	49	48	38	53
Potassium, dissolved	mg/l	--	--	4	4	3	4	4	5	4	3	2
Sodium, dissolved	mg/l	--	200 [3]	32	35	35	36	41	42	36	36	34
Strontium, dissolved	mg/l	--	--	4.73	4.82	5.14	5.05	5.06	3.97	5.15	5.30	2.11
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	0.001	<0.002	<0.001	0.082	<0.001	<0.001	0.003	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-2D 05-Jun-2013 S-29	91-2D 17-Jun-2014 91-2D	91-2D 02-Jun-2015 91-2d	91-2D 24-May-2016 S-29	91-2D 06-Jun-2017 91-2D	91-2D 29-May-2018 91-2D	91-2D 05-Jun-2019 91-2D	91-2D 22-May-2020 91-2D	91-2D 25-Jun-2021 91-2D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	544	490	480	490	397	436	447	420	438
Ammonia Nitrogen	mg/l	--	--	1.58	0.89	0.51	0.437	0.52	0.51	0.474	0.564	0.474
Chemical Oxygen Demand	mg/l	--	--	33	21	37	21	12	14	9	14	<5
Chloride	mg/l	--	250	111	94	99	93	57	81	79	65	83
Conductivity	uS/cm	--	--	1370	1180	1220	1150	897	1020	895	980	1040
Conductivity (Field)	uS/cm	--	--	1250	1151	1125	1120	1064	1145	1110	1140	1220
Hardness, Calcium Carbonate	mg/l	--	--	574	542	548	536	429	467	464	429	479
Nitrogen, Total Kjeldahl	mg/l	--	--	2.08	1.29	0.81	0.85	1.1	0.9	0.94	0.995	0.799
pH	-	--	--	--	--	--	--	--	--	8.32	--	--
pH (Field)	-	--	--	7.3	7.47	7.4	7.4	7.5	7.3	7.3	7.4	7.9
Temperature (Field)	deg c	--	15	12	13.9	12	12	10	10	11	9	10.0
Total Dissolved Solids	mg/l	--	500	890	767	793	748	583	663	582	637	676
Total Organic Carbon	mg/l	--	--	9.0	8.2	8.2	6.9	4.4	4.3	5.8	4.8	4.5
Metals												
Boron, dissolved	mg/l	5	--	0.39	0.37	0.44	0.48	0.34	0.39	0.38	0.37	0.34
Calcium, dissolved	mg/l	--	--	139	128	124	124	106	116	115	106	111
Iron, dissolved	mg/l	--	0.3	2.04	1.56	1.41	1.29	1.63	1.70	1.66	1.59	1.25
Magnesium, dissolved	mg/l	--	--	55	54	58	55	40	43	43	40	49
Potassium, dissolved	mg/l	--	--	8	6	6	6	5	5	5	5	6
Sodium, dissolved	mg/l	--	200 [3]	83	63	54	53	37	48	46	40	52
Strontium, dissolved	mg/l	--	--	6.87	7.49	8.51	8.16	4.82	5.18	4.77	5.69	5.29
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	0.003	<0.001	<0.001	0.003	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-2M 05-Jun-2013 [6] S-30	91-2M 17-Jun-2014 91-2M	91-2M 03-Jun-2015 91-2m	91-2M 24-May-2016 S-28	91-2M 06-Jun-2017 91-2M	91-2M 29-May-2018 91-2M	91-2M 05-Jun-2019 91-2M	91-2M 22-May-2020 91-2M	91-2M 25-Jun-2021 91-2M
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	464	311	447	487	283	347	267	371	345
Ammonia Nitrogen	mg/l	--	--	0.54	0.10	0.54	103	0.13	0.21	<0.010	0.063	<0.010
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	1	<1	<4	9	<1	1	<1	4	<1
Bromide	mg/l	--	--	1.53	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.25
Chemical Oxygen Demand	mg/l	--	--	37	<5	17	18	10	9	<5	6	<5
Chloride	mg/l	--	250	89	15	72	75	16	34	<1	51	60
Conductivity	uS/cm	--	--	1140	634	1060	1060	576	706	415	842	912
Conductivity (Field)	uS/cm	--	--	3210	629	690	660	775	730	695	680	422
Cyanide	mg/l	0.2	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	0.62	0.19	0.47	0.43	0.24	0.34	0.12	<0.10	0.54
Hardness, Calcium Carbonate	mg/l	--	--	512	332	483	498	306	343	261	384	289
Nitrate as N	mg/l	10.0	--	<0.10	0.97	0.13	<0.10	0.39	<0.10	1.32	<0.10	0.43
Nitrite as N	mg/l	1.0	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	0.87	0.25	0.81	122	<0.8	<0.8	0.29	1.00	0.240
pH	-	--	--	--	--	--	--	--	--	8.34	--	--
pH (Field)	-	--	--	7.1	7.31	7.3	7.3	7.5	7.2	7.3	7.4	8.6
Phosphorus (dissolved reactive)	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.0030	<0.010	0.011
Sulphate	mg/l	--	500 [4]	30	11	27	27	12	16	6	20	77
Temperature (Field)	deg c	--	15	12	15.0	11	12	11	11	10	9	10.9
Total Dissolved Solids	mg/l	--	500	741	412	689	689	374	459	270	547	593
Total Organic Carbon	mg/l	--	--	7.0	2.9	5.6	6.0	3.1	2.6	1.2	3.4	1.8
Metals												
Aluminum, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic, dissolved	mg/l	0.01	--	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium, dissolved	mg/l	1	--	0.20	0.14	0.25	0.26	0.13	0.15	0.08	0.19	0.06
Beryllium, dissolved	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	0.35	0.10	0.36	0.34	0.13	0.17	0.01	0.24	0.09
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	116	90	121	127	83	93	73	101	63
Chromium, dissolved	mg/l	0.05	--	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt, dissolved	mg/l	--	--	0.0027	0.0003	0.0024	0.0015	0.0002	0.0003	<0.0002	0.0004	0.0004
Copper, dissolved	mg/l	--	1	<0.001	0.001	0.002	0.001	<0.001	<0.001	<0.001	0.001	0.004
Iron, dissolved	mg/l	--	0.3	1.17	<0.03	0.05	<0.03	<0.03	<0.03	0.04	<0.03	<0.03
Lead, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	54	26	44	44	24	27	19	32	32
Manganese, dissolved	mg/l	--	0.05	0.38	0.03	0.55	0.53	<0.01	<0.01	<0.01	<0.01	<0.01
Molybdenum, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	0.007	<0.005	0.006	0.006	<0.005	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	6	4	5	5	4	4	4	4	4
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [3]	54	14	48	52	12	21	3	29	116
Strontium, dissolved	mg/l	--	--	7.86	1.12	4.15	4.61	1.55	1.89	0.265	2.59	2.31
Thallium, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	<0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	0.001	<0.001	<0.001	<0.001	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-2S 05-Jun-2013 S-32	91-2S 18-Jun-2014 91-2S	91-2S 03-Jun-2015 91-2s	91-2S 24-May-2016 S-27	91-2S 06-Jun-2017 91-2S	91-2S 29-May-2018 91-2S	91-2S 05-Jun-2019 91-2S	91-2S 22-May-2020 91-2S	91-2S 25-Jun-2021 91-2S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	442	435	403	397	383	330	341	313	478
Ammonia Nitrogen	mg/l	--	--	<0.02	0.02	<0.05	<0.025	0.06	0.08	0.016	<0.010	0.754
Chemical Oxygen Demand	mg/l	--	--	14	10	23	9	14	6	6	6	<5
Chloride	mg/l	--	250	100	86	89	76	77	51	59	47	99
Conductivity	uS/cm	--	--	1250	1170	1160	1040	1040	734	800	808	1140
Conductivity (Field)	uS/cm	--	--	1200	776	720	808	684	710	688	702	580
Hardness, Calcium Carbonate	mg/l	--	--	440	429	389	367	363	311	296	259	511
Nitrogen, Total Kjeldahl	mg/l	--	--	0.20	0.21	0.25	0.36	<0.8	<0.8	0.28	0.295	1.24
pH	-	--	--	--	--	--	--	--	--	8.63	--	--
pH (Field)	-	--	--	7.5	7.46	7.2	7.5	7.6	7.2	7.3	7.4	7.3
Temperature (Field)	deg c	--	15	12	12.6	12	13	11	11	10	9	10.8
Total Dissolved Solids	mg/l	--	500	812	760	754	676	676	477	520	525	741
Total Organic Carbon	mg/l	--	--	2.8	3.3	3.3	2.4	3.9	2.2	1.3	2.3	5.9
Metals												
Boron, dissolved	mg/l	5	--	0.12	0.11	0.15	0.13	0.12	0.09	0.09	0.08	0.33
Calcium, dissolved	mg/l	--	--	97	96	80	81	81	75	69	61	127
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	48	46	46	40	39	30	30	26	47
Potassium, dissolved	mg/l	--	--	5	5	5	4	4	4	4	4	6
Sodium, dissolved	mg/l	--	200 [3]	115	112	112	101	105	70	84	73	66
Strontium, dissolved	mg/l	--	--	4.64	2.31	4.37	4.13	3.64	2.34	2.39	2.09	3.93
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	0.002	<0.001	<0.001	<0.001	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-3M 06-Jun-2013 [7] S-48	91-3M 30-May-2014 91-3M	91-3M 28-May-2015 91-3M	91-3M 26-May-2016 S-57	91-3M 09-Jun-2017 91-3M	91-3M 05-Jun-2018 91-3M	91-3M 10-Jun-2019 91-3M	91-3M 23-May-2020 91-3M	91-3M 25-Jun-2021 91-3M
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	412	321	315	468	503	512	495	512	462
Ammonia Nitrogen	mg/l	--	--	0.90	0.13	0.07	1.27	1.98	2.28	2.59	2.61	2.80
Chemical Oxygen Demand	mg/l	--	--	20	<5	<5	19	7	17	<5	21	8
Chloride	mg/l	--	250	70	19	19	73	99	19	97	94	78
Conductivity	uS/cm	--	--	1010	662	673	1060	1210	1230	1050	1210	1020
Conductivity (Field)	uS/cm	--	--	920	660	671	695	680	670	705	725	1240
Hardness, Calcium Carbonate	mg/l	--	--	463	349	352	457	510	520	504	471	490
Nitrogen, Total Kjeldahl	mg/l	--	--	0.82	0.28	<0.8	1.76	3.8	3.2	3.15	3.13	3.07
pH												
pH (Field)	-	--	--	7.2	7.21	7.07	7.5	7.4	7.5	7.4	7.4	7.4
Temperature (Field)	deg c	--	15	12	11.0	11.3	12	12	11	11	10	10.9
Total Dissolved Solids	mg/l	--	500	656	430	437	689	786	800	682	786	767
Total Organic Carbon	mg/l	--	--	4.5	2.8	2.7	5.8	8.1	8.8	9.3	7.5	6.2
Metals												
Boron, dissolved	mg/l	5	--	0.18	0.09	0.07	0.28	0.40	0.33	0.40	0.34	0.30
Calcium, dissolved	mg/l	--	--	121	92	93	117	130	129	131	121	122
Iron, dissolved	mg/l	--	0.3	0.76	0.30	0.16	2.22	2.53	2.74	3.34	3.24	3.49
Magnesium, dissolved	mg/l	--	--	39	29	29	40	45	48	43	41	45
Potassium, dissolved	mg/l	--	--	9	6	6	6	6	6	6	6	6
Sodium, dissolved	mg/l	--	200 [3]	46	15	13	57	72	85	69	70	79
Strontium, dissolved	mg/l	--	--	2.69	2.18	1.75	3.64	5.18	5.47	5.91	5.66	4.35
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.007	<0.001	<0.001	<0.010	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-3S 06-Jun-2013 S-49	91-3S 30-May-2014 91-3S	91-3S 28-May-2015 91-3S	91-3S 26-May-2016 S-58	91-3S 09-Jun-2017 91-3S	91-3S 05-Jun-2018 91-3S	91-3S 10-Jun-2019 91-3S	91-3S 23-May-2020 91-3S	91-3S 25-Jun-2021 91-3S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	478	462	363	521	321	363	323	340	382
Ammonia Nitrogen	mg/l	--	--	1.81	1.49	0.02	1.71	0.27	0.13	<0.010	0.041	0.767
Chemical Oxygen Demand	mg/l	--	--	32	18	5	24	<5	<5	<5	10	<5
Chloride	mg/l	--	250	86	74	16	88	17	3	15	13	58
Conductivity	uS/cm	--	--	1190	1100	766	1180	689	717	580	683	890
Conductivity (Field)	uS/cm	--	--	818	1037	763	908	870	845	819	815	1288
Hardness, Calcium Carbonate	mg/l	--	--	503	496	406	493	347	366	360	333	405
Nitrogen, Total Kjeldahl	mg/l	--	--	2.04	1.83	<0.8	2.08	1.3	<0.8	0.69	0.395	1.33
pH												
pH (Field)	-	--	--	7.4	7.11	7.20	7.6	7.6	7.7	7.6	7.5	7.4
Temperature (Field)	deg c	--	15	14	11.2	10.8	13	12	11	10	9	11.1
Total Dissolved Solids	mg/l	--	500	774	715	498	767	448	466	377	444	578
Total Organic Carbon	mg/l	--	--	6.7	6.3	2.3	6.9	5.2	2.3	3.1	2.0	3.2
Metals												
Boron, dissolved	mg/l	5	--	0.30	0.27	0.05	0.35	0.07	0.06	0.06	0.05	0.18
Calcium, dissolved	mg/l	--	--	129	126	105	125	91	94	98	89	103
Iron, dissolved	mg/l	--	0.3	<0.03	0.07	0.68	0.05	<0.03	0.03	0.03	<0.03	0.05
Magnesium, dissolved	mg/l	--	--	44	44	35	44	29	32	28	27	36
Potassium, dissolved	mg/l	--	--	5	7	10	6	9	9	8	8	6
Sodium, dissolved	mg/l	--	200 [3]	73	61	14	72	16	20	10	16	45
Strontium, dissolved	mg/l	--	--	4.99	4.47	1.05	4.31	1.71	1.31	1.02	1.16	2.5
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-3D 06-Jun-2013 S-47	91-3D 30-May-2014 91-3D	91-3D 28-May-2015 91-3D	91-3D 26-May-2016 S-56	91-3D 09-Jun-2017 91-3D	91-3D 05-Jun-2018 91-3	91-3D 10-Jun-2019 91-3D	91-3D 23-May-2020 91-3D	91-3D 25-Jun-2021 91-3D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	476	496	493	529	335	382	339	377	323
Ammonia Nitrogen	mg/l	--	--	1.76	2.00	2.21	2.07	0.20	0.33	0.244	0.207	<0.010
Chemical Oxygen Demand	mg/l	--	--	29	18	19	23	<5	9	<5	19	<5
Chloride	mg/l	--	250	89	90	96	93	29	10	34	52	34
Conductivity	uS/cm	--	--	1200	1200	1220	1200	726	797	600	858	713
Conductivity (Field)	uS/cm	--	--	1240	1156	1210	720	695	680	670	730	1380
Hardness, Calcium Carbonate	mg/l	--	--	510	519	517	500	363	410	353	372	351
Nitrogen, Total Kjeldahl	mg/l	--	--	1.93	2.08	2.9	2.51	<0.8	2.1	1.22	1.10	2.90
pH												
pH (Field)	-	--	--	7.3	7.05	6.97	7.7	7.6	7.6	7.6	7.6	7.5
Temperature (Field)	deg c	--	15	11	13.1	11.1	12	12	10.0	9	9	11.2
Total Dissolved Solids	mg/l	--	500	780	780	793	780	472	518	390	558	463
Total Organic Carbon	mg/l	--	--	7.3	8.4	8.2	8.1	3.6	6.0	3.6	4.8	5.8
Metals												
Boron, dissolved	mg/l	5	--	0.30	0.34	0.36	0.37	0.12	0.15	0.14	0.18	0.10
Calcium, dissolved	mg/l	--	--	130	132	131	126	96	105	95	98	91
Iron, dissolved	mg/l	--	0.3	2.34	2.58	2.71	2.86	<0.03	0.05	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	45	46	46	45	30	36	28	31	30
Potassium, dissolved	mg/l	--	--	5	5	6	6	5	5	5	5	6
Sodium, dissolved	mg/l	--	200 [3]	75	75	76	76	21	37	24	35	24
Strontium, dissolved	mg/l	--	--	4.98	5.68	5.58	4.80	1.69	2.19	2.26	2.58	1.55
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-5D 06-Jun-2013 S-50	91-5D 29-May-2014 91-5D	91-5D 28-May-2015 91-5D	91-5D 25-May-2016 S-32	91-5D 09-Jun-2017 91-5D	91-5D 01-Jun-2018 91-5D	91-5D 10-Jun-2019 91-5D	91-5D 27-May-2020 91-5D	91-5D 25-Jun-2021 91-5D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	345	426	365	403	409	380	375	429	363
Ammonia Nitrogen	mg/l	--	--	0.45	0.14	0.87	0.055	0.24	0.20	0.114	0.099	0.120
Chemical Oxygen Demand	mg/l	--	--	13	18	9	17	<5	7	<5	29	7
Chloride	mg/l	--	250	17	23	11	59	61	66	85	60	63
Conductivity	uS/cm	--	--	710	876	726	922	909	897	910	903	877
Conductivity (Field)	uS/cm	--	--	740	489	714	778	820	830	814	855	980
Hardness, Calcium Carbonate	mg/l	--	--	350	154	367	119	128	109	126	109	114
Nitrogen, Total Kjeldahl	mg/l	--	--	0.54	0.90	2.4	0.29	0.9	<0.8	0.42	0.302	0.31
pH												
pH (Field)	-	--	--	7.2	7.22	6.96	7.40	7.4	7.6	7.5	7.40	8.2
Temperature (Field)	deg c	--	15	11	12.2	10.9	10	12	11	11	14.4	10.7
Total Dissolved Solids	mg/l	--	500	462	569	472	599	591	583	592	587	570
Total Organic Carbon	mg/l	--	--	3.2	5.5	3.9	5.3	5.2	4.9	7.8	4.2	3.6
Metals												
Boron, dissolved	mg/l	5	--	0.19	1.3	0.18	1.7	1.7	1.8	1.5	1.67	1.7
Calcium, dissolved	mg/l	--	--	99	42	104	31	33	29	34	29	29
Iron, dissolved	mg/l	--	0.3	<0.03	0.39	<0.03	0.99	0.19	0.23	0.20	0.16	0.35
Magnesium, dissolved	mg/l	--	--	25	12	26	10	11	9	10	9	10
Potassium, dissolved	mg/l	--	--	3	2	3	3	2	2	3	2	2
Sodium, dissolved	mg/l	--	200 [3]	26	155	25	182	168	158	178	159	174
Strontium, dissolved	mg/l	--	--	0.496	1.08	0.495	0.902	0.953	0.829	1.07	1.05	0.77
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-5S 06-Jun-2013 S-51	91-5S 29-May-2014 91-5S	91-5S 28-May-2015 91-5S	91-5S 25-May-2016 S-31	91-5S 09-Jun-2017 91-5S	91-5S 01-Jun-2018 91-5S	91-5S 10-Jun-2019 91-5S	91-5S 27-May-2020 91-5S	91-5S 25-Jun-2021 91-5S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	342	337	408	378	395	340	318	376	342
Ammonia Nitrogen	mg/l	--	--	0.62	0.66	0.06	0.850	0.21	0.74	0.506	0.533	0.12
Chemical Oxygen Demand	mg/l	--	--	17	11	14	11	5	5	<5	7	10
Chloride	mg/l	--	250	17	10	26	10	64	11	9	6	76
Conductivity	uS/cm	--	--	710	665	861	679	915	657	520	600	862
Conductivity (Field)	uS/cm	--	--	784	626	850	540	525	500	520	564	520
Hardness, Calcium Carbonate	mg/l	--	--	344	352	135	331	139	241	302	293	116
Nitrogen, Total Kjeldahl	mg/l	--	--	0.80	0.77	<0.8	1.19	1.4	1.4	0.77	0.836	0.265
pH												
pH (Field)	-	--	--	7.6	7.18	7.49	7.44	7.5	7.6	7.5	6.72	8.5
Temperature (Field)	deg c	--	15	13	13.4	10.7	12	13	11	11	16.7	10.0
Total Dissolved Solids	mg/l	--	500	462	432	560	441	595	427	338	390	573
Total Organic Carbon	mg/l	--	--	3.1	3.1	5.6	3.4	7.1	3.6	4.1	2.4	3.6
Metals												
Boron, dissolved	mg/l	5	--	0.19	0.17	1.3	0.19	1.6	0.36	0.14	0.15	1.4
Calcium, dissolved	mg/l	--	--	98	103	36	93	36	70	88	86	30
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	0.40	<0.03	0.05	<0.03	<0.03	<0.03	0.04
Magnesium, dissolved	mg/l	--	--	24	23	11	24	12	16	20	19	10
Potassium, dissolved	mg/l	--	--	3	3	2	3	3	3	2	2	2
Sodium, dissolved	mg/l	--	200 [3]	26	18	165	27	171	43	23	14	166
Strontium, dissolved	mg/l	--	--	0.485	0.440	1.03	0.437	0.885	0.450	0.450	0.443	0.665
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-6D 05-Jun-2013 S-39	91-6D 30-May-2014 91-6D	91-6D 28-May-2015 91-6D	91-6D 26-May-2016 S-54	91-6D 08-Jun-2017 96-6D	91-6D 30-May-2018 91-6D	91-6D 06-Jun-2019 91-6D	91-6D 22-May-2020 91-6D	91-6D 25-Jun-2021 91-6D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	256	284	284	293	297	262	288	277	357
Ammonia Nitrogen	mg/l	--	--	0.11	0.03	<0.02	<0.025	0.10	0.12	<0.020	<0.010	<0.010
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	--	<1	--	--	--	--	--	1
Bromide	mg/l	--	--	--	--	<0.25	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	7	<5	<5	9	10	<5	<5	9	<5
Chloride	mg/l	--	250	19	12	14	13	21	11	20	13	5
Conductivity	uS/cm	--	--	622	629	635	599	645	584	595	620	703
Conductivity (Field)	uS/cm	--	--	600	637	690	920	890	880	895	880	780
Cyanide	mg/l	0.2	--	--	--	<0.005	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	0.52	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	326	358	351	322	314	311	332	317	408
Nitrate as N	mg/l	10.0	--	--	--	<0.10	--	--	--	--	--	<0.10
Nitrite as N	mg/l	1.0	--	--	--	<0.10	--	--	--	--	--	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	0.16	0.10	<0.8	0.24	<0.8	<0.8	<0.15	0.212	0.13
pH								--	--	--	--	--
pH (Field)	-	--	--	7.7	7.53	7.40	7.6	7.6	7.6	7.6	7.6	8.1
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	<0.01	--	--	--	--	--	--
Sulphate	mg/l	--	500 [4]	--	--	53	--	--	--	--	--	60
Temperature (Field)	deg c	--	15	11	10.1	10.9	11	10	10	10	8	9.2
Total Dissolved Solids	mg/l	--	500	404	409	413	389	419	380	387	403	457
Total Organic Carbon	mg/l	--	--	1.0	1.3	1.1	0.7	2.2	0.94	1.2	1.2	0.7
Metals												
Aluminum, dissolved	mg/l	--	--	--	--	<0.01	--	--	--	--	--	<0.01
Arsenic, dissolved	mg/l	0.01	--	--	--	<0.001	--	--	--	--	--	<0.001
Barium, dissolved	mg/l	1	--	--	--	0.11	--	--	--	--	--	0.08
Beryllium, dissolved	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	<0.0005
Boron, dissolved	mg/l	5	--	0.04	0.05	0.05	0.05	0.06	0.05	0.06	0.05	<0.01
Cadmium, dissolved	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	<0.0001
Calcium, dissolved	mg/l	--	--	76	84	83	76	73	75	77	76	69
Chromium, dissolved	mg/l	0.05	--	--	--	<0.001	--	--	--	--	--	<0.001
Cobalt, dissolved	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	<0.001	--	--	--	--	--	<0.001
Iron, dissolved	mg/l	--	0.3	0.06	0.14	0.13	<0.03	0.04	<0.03	<0.03	0.03	0.09
Lead, dissolved	mg/l	0.01	--	--	--	<0.001	--	--	--	--	--	<0.001
Magnesium, dissolved	mg/l	--	--	33	36	35	32	32	30	34	31	31
Manganese, dissolved	mg/l	--	0.05	--	--	0.09	--	--	--	--	--	0.03
Molybdenum, dissolved	mg/l	--	--	--	--	<0.005	--	--	--	--	--	<0.005
Nickel, dissolved	mg/l	--	--	--	--	<0.005	--	--	--	--	--	<0.005
Potassium, dissolved	mg/l	--	--	3	2	2	2	2	2	2	2	2
Silver, dissolved	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [3]	15	9	8	10	11	11	10	9	12
Strontium, dissolved	mg/l	--	--	2.76	3.06	2.81	2.58	3.00	2.68	3.06	3.02	0.204
Thallium, dissolved	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	<0.0001
Titanium, dissolved	mg/l	--	--	--	--	<0.01	--	--	--	--	--	<0.01
Vanadium, dissolved	mg/l	--	--	--	--	<0.001	--	--	--	--	--	<0.001
Zinc, dissolved	mg/l	--	5	--	--	<0.01	--	--	--	--	--	<0.01
Zirconium, dissolved	mg/l	--	--	--	--	<0.002	--	--	--	--	--	<0.002
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-7D 05-Jun-2013 S-41	91-7D 17-Jun-2014 91-7D	91-7D 28-May-2015 91-7D	91-7D 26-May-2016 S-53	91-7D 08-Jun-2017 91-7D	91-7D 30-May-2018 91-7D	91-7D 10-Jun-2019 91-7D	91-7D 22-May-2020 91-7D	91-7D 24-Jun-2021 91-7D	91-7D 24-Jun-2021 Dup #4
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	325	337	355	363	328	335	332	308	315	313
Ammonia Nitrogen	mg/l	--	--	0.05	0.04	<0.02	<0.025	0.12	0.16	<0.010	0.074	0.01	0.01
Chemical Oxygen Demand	mg/l	--	--	12	6	7	10	7	<5	<5	18	10	19
Chloride	mg/l	--	250	251	237	247	225	280	207	261	209	185	187
Conductivity	uS/cm	--	--	1450	1430	1470	1400	1470	1250	1230	1290	1200	1210
Conductivity (Field)	uS/cm	--	--	1440	1371	1455	1405	1313	1240	1219	1183	133	133
Hardness, Calcium Carbonate	mg/l	--	--	476	448	504	498	412	412	445	372	379	389
Nitrogen, Total Kjeldahl	mg/l	--	--	0.10	0.13	<0.8	0.28	<0.8	0.9	0.28	0.550	0.331	0.346
pH													
pH (Field)	-	--	--	7.2	7.49	7.04	7.5	7.5	7.4	7.5	7.5	7.4	7.4
Temperature (Field)	deg c	--	15	12	14.2	11.1	12	10	9	10	9	10.2	10.2
Total Dissolved Solids	mg/l	--	500	942	930	956	910	956	812	800	838	780	786
Total Organic Carbon	mg/l	--	--	1.8	2.6	2.3	1.8	3.6	2.4	5.4	2.7	2.2	2.3
Metals													
Boron, dissolved	mg/l	5	--	0.07	0.06	0.09	0.09	0.06	0.05	0.07	0.06	0.08	0.08
Calcium, dissolved	mg/l	--	--	128	120	131	132	109	114	122	101	99	103
Iron, dissolved	mg/l	--	0.3	0.13	<0.03	<0.03	0.19	0.05	0.10	0.14	0.16	0.11	0.08
Magnesium, dissolved	mg/l	--	--	38	36	43	41	34	31	34	29	2	32
Potassium, dissolved	mg/l	--	--	3	2	4	3	2	2	2	2	103	3
Sodium, dissolved	mg/l	--	200 [3]	130	138	120	106	135	110	126	110	103	113
Strontium, dissolved	mg/l	--	--	2.31	1.23	2.02	2.46	1.47	1.48	1.58	2.04	1.33	1.04
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-7S 05-Jun-2013 S-43	91-7S 17-Jun-2014 91-7S	91-7S 28-May-2015 91-7S	91-7S 26-May-2016 S-52	91-7S 08-Jun-2017 91-7S	91-7S 30-May-2018 91-7S	91-7S 10-Jun-2019 91-7S	91-7S 22-May-2020 91-7S	91-7S 24-Jun-2021 91-7S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	338	351	359	379	338	335	349	332	333
Ammonia Nitrogen	mg/l	--	--	0.03	0.14	<0.02	0.030	0.10	0.10	<0.10	0.030	0.01
Chemical Oxygen Demand	mg/l	--	--	24	9	9	19	11	<5	<5	14	14
Chloride	mg/l	--	250	217	156	210	215	231	166	121	181	186
Conductivity	uS/cm	--	--	1380	1200	1350	1370	1360	1160	914	1260	1220
Conductivity (Field)	uS/cm	--	--	1208	1170	1329	1148	--	820	775	794	314
Hardness, Calcium Carbonate	mg/l	--	--	518	478	488	498	442	416	417	418	440
Nitrogen, Total Kjeldahl	mg/l	--	--	0.14	0.27	<0.8	0.46	<0.8	<0.8	0.22	0.319	0.314
pH												
pH (Field)	-	--	--	7.3	7.42	7.08	7.5	--	7.5	7.5	7.4	7.5
Temperature (Field)	deg c	--	15	11	14.2	10.1	12	--	11	12	9	9.8
Total Dissolved Solids	mg/l	--	500	897	780	878	890	884	754	594	819	793
Total Organic Carbon	mg/l	--	--	6.7	4.1	3.2	4.7	3.6	3.5	5.8	3.0	4.5
Metals												
Boron, dissolved	mg/l	5	--	0.09	0.12	0.10	0.11	0.10	0.09	0.14	0.08	0.1
Calcium, dissolved	mg/l	--	--	138	127	128	132	116	112	111	113	115
Iron, dissolved	mg/l	--	0.3	0.56	0.48	0.48	0.44	0.30	0.32	0.24	0.47	0.66
Magnesium, dissolved	mg/l	--	--	42	39	41	41	37	33	34	33	37
Potassium, dissolved	mg/l	--	--	3	3	3	3	3	3	3	3	3
Sodium, dissolved	mg/l	--	200 [3]	100	78	96	99	98	84	66	85	93
Strontium, dissolved	mg/l	--	--	2.49	2.68	2.62	2.73	2.65	2.28	2.65	2.47	2.73
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-10D 06-Jun-2013 S-54	91-10D 29-May-2014 91-10D	91-10D 03-Jun-2015 91-10d	91-10D 25-May-2016 S-45	91-10D 14-Jun-2017 91-10D	91-10D 01-Jun-2018 91-10D	91-10D 07-Jun-2019 91-10D	91-10D 23-May-2020 91-10D	91-10D 24-Jun-2021 91-10D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	192	212	247	223	215	204	213	190	229
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	<0.05	0.086	0.04	0.09	<0.010	<0.010	0.126
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	<1	<1	<4	<1	<1	2	<1	3	<1
Bromide	mg/l	--	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	15	9	27	23	18	<5	9	14	5
Chloride	mg/l	--	250	9	9	10	8	9	6	11	4	4
Conductivity	uS/cm	--	--	422	440	514	447	455	412	431	377	453
Conductivity (Field)	uS/cm	--	--	470	905	860	870	--	870	850	864	580
Cyanide	mg/l	0.2	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	0.10	0.10	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hardness, Calcium Carbonate	mg/l	--	--	218	251	277	236	242	200	223	195	249
Nitrate as N	mg/l	10.0	--	0.25	0.76	0.64	0.23	0.90	0.18	1.31	0.39	<0.10
Nitrite as N	mg/l	1.0	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	0.16	0.12	<0.07	0.38	1.0	<0.8	0.31	0.222	<0.1
pH												
pH (Field)	-	--	--	6.9	7.38	7.8	7.7	--	7.7	7.6	7.6	7.3
Phosphorus (dissolved reactive)	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.0030	<0.010	<0.1
Sulphate	mg/l	--	500 [4]	16	20	22	20	21	16	17	11	19
Temperature (Field)	deg c	--	15	12	11.9	11	12	--	9	11	9	10.6
Total Dissolved Solids	mg/l	--	500	274	286	334	291	296	268	280	245	294
Total Organic Carbon	mg/l	--	--	3.8	4.1	4.2	3.5	5.0	3.8	3.8	3.2	6
Metals												
Aluminum, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Arsenic, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Barium, dissolved	mg/l	1	--	0.20	0.20	0.24	0.19	0.19	0.16	0.19	0.15	0.45
Beryllium, dissolved	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	0.03	0.04	0.05	0.04	0.04	0.04	0.04	0.03	0.04
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	69	79	86	73	74	62	68	60	80
Chromium, dissolved	mg/l	0.05	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt, dissolved	mg/l	--	--	0.0006	<0.0002	0.0004	0.0003	0.0003	<0.0002	0.0002	<0.0002	<0.0002
Copper, dissolved	mg/l	--	1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	0.05	0.06	<0.03	<0.03	<0.03	0.04	7.93
Lead, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	11	13	15	13	14	11	13	11	12
Manganese, dissolved	mg/l	--	0.05	0.48	0.32	0.72	0.39	0.45	0.32	0.47	0.40	2.29
Molybdenum, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	1	<1	1	1	1	1	1	1	1
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [3]	7	7	6	6	6	6	5	5	5
Strontium, dissolved	mg/l	--	--	0.097	0.101	0.125	0.112	0.128	0.104	0.119	0.096	0.104
Thallium, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-10M 06-Jun-2013 [5] S-55	91-10M 29-May-2014 91-10M	91-10M 03-Jun-2015 91-10m	91-10M 25-May-2016 S-46	91-10M 14-Jun-2017 91-10M	91-10M 01-Jun-2018 91-10M	91-10M 07-Jun-2019 91-10M	91-10M 23-May-2020 91-10M	91-10M 24-Jun-2021 91-10M
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	224	214	242	260	221	233	191	205	229
Ammonia Nitrogen	mg/l	--	--	0.31	0.15	0.34	0.339	0.18	0.29	0.12	0.083	0.126
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	1	<1	<4	<1	<1	3	<1	5	<1
Bromide	mg/l	--	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	23	10	23	24	19	8	<5	15	7
Chloride	mg/l	--	250	7	8	5	4	7	4	4	4	4
Conductivity	uS/cm	--	--	466	441	476	471	448	452	363	398	453
Conductivity (Field)	uS/cm	--	--	510	710	795	810	--	810	785	780	520
Cyanide	mg/l	0.2	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hardness, Calcium Carbonate	mg/l	--	--	249	248	257	250	242	223	192	209	249
Nitrate as N	mg/l	10.0	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrite as N	mg/l	1.0	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	0.45	0.21	0.68	0.68	1.1	<0.8	0.34	0.401	0.506
pH												
pH (Field)	-	--	--	6.9	7.48	7.7	7.6	--	7.6	7.5	7.5	6.2
Phosphorus (dissolved reactive)	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.0030	<0.010	0.014
Sulphate	mg/l	--	500 [4]	14	18	15	15	18	15	13	12	19
Temperature (Field)	deg c	--	15	12	11.5	11	12	--	10	11	9	11.2
Total Dissolved Solids	mg/l	--	500	303	287	309	306	291	294	236	259	294
Total Organic Carbon	mg/l	--	--	8.0	4.4	8.8	8.6	5.0	6.4	3.7	3.2	6
Total Suspended Solids	mg/l	--	--	--	--	--	--	--	46	--	--	--
Metals												
Aluminum, dissolved	mg/l	--	--	0.01	<0.01	0.02	0.02	0.01	<0.01	<0.01	<0.01	0.01
Arsenic, dissolved	mg/l	0.01	--	<0.01	<0.001	0.001	0.002	0.001	0.001	<0.001	<0.001	0.001
Barium, dissolved	mg/l	1	--	0.49	0.36	0.53	0.53	0.40	0.42	0.36	0.34	0.45
Beryllium, dissolved	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	0.03	0.03	0.03	0.03	0.04	0.05	0.03	0.03	0.04
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	80	81	83	82	77	73	62	69	80
Chromium, dissolved	mg/l	0.05	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt, dissolved	mg/l	--	--	0.0004	<0.0002	0.0003	0.0003	<0.0002	0.0002	<0.0002	<0.0002	0.0003
Copper, dissolved	mg/l	--	1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004
Iron, dissolved	mg/l	--	0.3	8.93	2.84	10.6	9.60	3.52	4.99	2.78	2.67	7.93
Lead, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	12	11	12	11	12	10	9	9	12
Manganese, dissolved	mg/l	--	0.05	2.35	1.39	2.72	2.69	1.70	2.04	1.30	1.12	2.29
Molybdenum, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	1	1	1	1	1	1	1	1	1
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [3]	6	5	5	5	5	5	4	4	5
Strontium, dissolved	mg/l	--	--	0.103	0.095	0.109	0.119	0.115	0.115	0.099	0.100	0.104
Thallium, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	0.004	<0.001	0.002	0.002	<0.001	0.001	<0.001	<0.001	0.002
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-2D 04-Jun-2013 S-28	93-2D 05-Sep-2013 B-5	93-2D 17-Jun-2014 93-2D	93-2D 03-Sep-2014 [8] S - 1	93-2D 28-May-2015 93-2D	93-2D 16-Sep-2015 93-2D	93-2D 01-Jun-2016 S-68	93-2D 07-Sep-2016 93-2D	93-2D 08-Jun-2017 93-2D	93-2D 28-Aug-2017 93-2D	93-2D 30-May-2018 93-2D	93-2D 12-Sep-2018 93-2D	93-2D 07-Jun-2019 93-2D	93-2D 19-Sep-2019 93-2D	93-2D 27-May-2020 93-2D	93-2D 15-Sep-2020 93-2D	93-2D 25-Jun-2021 93-2D	93-2D 25-Jun-2021 93-2D	93-2D 14-Sept-2021 93-2D
General Chemistry																							
Alkalinity (Total as CaCO3)	mg/l	--	--	315	328	299	296	298	359	340	330	327	280	315	315	307	281	319	289	318	314	286
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	0.06	0.04	<0.02	<0.025	0.147	<0.025	0.05	0.09	0.11	0.10	<0.010	0.03	0.032	0.03	<0.010	<0.010	<0.010
Chemical Oxygen Demand	mg/l	--	--	12	10	<5	<5	<5	12	15	11	<5	<0.0001	<5	<5	<5	<5	<5	9	<5	<5	13
Chloride	mg/l	--	250	485	497	473	505	513	526	607	559	611	533	622	648	610	648	567	656	660	660	560
Conductivity	uS/cm	--	--	2220	2270	2140	2160	2240	2420	2580	2370	2540	2270	2530	2530	2370	2560	2320	2570	2670	2670	2400
Conductivity (Field)	uS/cm	--	--	2100	2010	2044	2030	2242	1940	1860	1710	1796	1983	1745	1665	1680	1695	2058	1919	2060	2060	2600
Hardness, Calcium Carbonate	mg/l	--	--	378	415	671	628	685	496	532	598	493	637	501	478	504	616	643	576	533	559	680
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	<0.10	0.11	<0.10	<0.8	0.12	0.15	0.14	<0.8	<0.8	<0.8	1.0	<0.15	<0.1	<0.100	<0.1	0.2	0.1	0.545
pH																						
pH (Field)	-	--	--	7.3	7.4	8.01	7.4	7.24	7.6	7.9	7.8	7.8	7.86	7.7	7.5	7.6	7.5	7.17	7.07	7.7	7.7	7.52
Temperature (Field)	deg c	--	15	12	9	16.1	13	10.4	12	12	13	11	11.1	9	10	10	11	9.4	10.4	9.8	9.8	10.3
Total Dissolved Solids	mg/l	--	500	1440	1480	1390	1400	1460	1570	1680	1540	1650	1480	1640	1640	1540	1660	1510	1670	1740	1740	1560
Total Organic Carbon	mg/l	--	--	1.4	1.9	1.8	2.0	1.6	1.3	1.6	1.2	2.4	1.5	1.4	1.3	1.6	1.6	1.6	1.5	1.2	1.2	1.7
Metals																						
Boron, dissolved	mg/l	5	--	<0.01	0.03	0.26	0.14	0.22	0.07	0.03	0.17	0.15	0.29	0.04	0.07	0.07	0.10	0.39	0.17	0.14	0.13	0.29
Calcium, dissolved	mg/l	--	--	97	107	163	151	164	126	139	147	125	158	133	122	131	156	157	150	136	143	160
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	0.08	<0.03	0.07	0.06	<0.03	0.14	0.07	0.05	0.06	0.04	0.06	0.04	0.07	0.05	0.1	0.1	0.1
Magnesium, dissolved	mg/l	--	--	33	36	64	61	67	44	45	56	44	59	41	42	43	55	61	49	47	49	68
Potassium, dissolved	mg/l	--	--	2	2	4	3	4	2	2	3	2	3	2	2	2	4	4	3	2	2	4
Sodium, dissolved	mg/l	--	200 [3]	315	314	179	213	194	288	339	244	339	227	326	329	332	270	187	312	390	401	196
Strontium, dissolved	mg/l	--	--	0.297	0.755	4.31	3.02	4.15	0.916	0.785	2.94	2.55	3.03	0.829	1.39	1.78	2.19	4.74	2.77	2.49	3.7	4.8
Phenols																						
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.002	<0.004	<0.004	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-2M 04-Jun-2013 S-24	93-2M 06-Sep-2013 S-6	93-2M 30-May-2014 95-2M	93-2M 03-Sep-2014 S - 3	93-2M 28-May-2015 93-2M	93-2M 16-Sep-2015 93-2M	93-2M 01-Jun-2016 S-69	93-2M 07-Sep-2016 93-2M	93-2M 08-Jun-2017 93-2M	93-2M 28-Aug-2017 93-2M	93-2M 30-May-2018 93-2M	93-2M 12-Sep-2018 93-2M	93-2M 07-Jun-2019 93-2M	93-2M 19-Sep-2019 93-2M	93-2M 27-May-2020 93-2M	93-2M 15-Sep-2020 93-2M	93-2M 25-Jun-2021 93-2M	93-2M 14-Sept-2021 93-2M
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	334	--	341	--	347	--	329	--	312	--	334	--	301	--	367	--	319	--
Ammonia Nitrogen	mg/l	--	--	<0.02	--	0.04	--	<0.02	--	<0.025	--	<0.02	--	0.10	--	<0.010	--	<0.010	--	0.01	--
Chemical Oxygen Demand	mg/l	--	--	5	--	<5	--	<5	--	14	--	<5	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	504	--	494	--	523	--	617	--	657	--	624	--	631	--	648	--	670	--
Conductivity	uS/cm	--	--	2290	--	2230	--	2360	--	2640	--	2600	--	2510	--	2420	--	2700	--	2690	--
Conductivity (Field)	uS/cm	--	--	2140	224	1108	2010	2356	1990	895	870	925	2183	935	905	810	785	2325	2121	1450	2940
Hardness, Calcium Carbonate	mg/l	--	--	449	--	482	--	515	--	536	--	478	--	499	--	523	--	535	--	524	--
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	--	<0.10	--	<0.8	--	0.21	--	<0.8	--	<0.8	--	<0.15	--	0.240	--	0.1	--
pH																					
pH (Field)	-	--	--	7.3	7.3	7.60	7.4	7.40	7.5	7.7	7.7	7.6	7.74	7.5	7.5	7.4	7.5	7.24	7.11	7.6	7.4
Temperature (Field)	deg c	--	15	12	10	11.9	14	10.4	12	12	13	11	10.7	10	12	12	12	12.0	12.6	9.2	10.3
Total Dissolved Solids	mg/l	--	500	1490	--	1450	--	1530	--	1720	--	1690	--	1630	--	1570	--	1760	--	**1750**	--
Total Organic Carbon	mg/l	--	--	1.4	--	1.7	--	1.6	--	1.3	--	2.6	--	1.3	--	1.5	--	1.5	--	1.1	--
Metals																					
Boron, dissolved	mg/l	5	--	<0.01	--	0.01	--	0.01	--	<0.01	--	0.02	--	<0.01	--	<0.01	--	0.03	--	0.01	--
Calcium, dissolved	mg/l	--	--	117	--	122	--	132	--	142	--	124	--	134	--	137	--	140	--	134	--
Iron, dissolved	mg/l	--	0.3	0.30	--	<0.03	--	<0.03	--	<0.03	--	0.12	--	<0.03	--	<0.03	--	0.09	--	0.11	--
Magnesium, dissolved	mg/l	--	--	38	--	43	--	45	--	44	--	41	--	40	--	44	--	45	--	46	--
Potassium, dissolved	mg/l	--	--	1	--	2	--	2	--	2	--	1	--	1	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	306	--	307	--	284	--	350	--	386	--	325	--	312	--	325	--	399	--
Strontium, dissolved	mg/l	--	--	0.496	--	0.588	--	0.734	--	0.398	--	0.643	--	0.381	--	0.624	--	1.06	--	0.49	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.001	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-2S 04-Jun-2013 S-23	93-2S 06-Sep-2013 S-7	93-2S 30-May-2014 93-2S	93-2S 03-Sep-2014 S - 4	93-2S 28-May-2015 93-2S	93-2S 16-Sep-2015 93-2S	93-2S 01-Jun-2016 S-70	93-2S 07-Sep-2016 93-2S	93-2S 08-Jun-2017 93-2S	93-2S 28-Aug-2017 93-2S	93-2S 30-May-2018 93-2S	93-2S 12-Sep-2018 93-2S	93-2S 10-Jun-2019 93-2S	93-2S 19-Sep-2019 93-2S	93-2S 27-May-2020 93-2S	93-2S 15-Sep-2020 93-2S	93-2S 25-Jun-2021 93-2S	93-2S 14-Sept-2021 93-2S
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	332	--	338	--	338	--	322	--	297	--	314	--	311	--	374	--	307	--
Ammonia Nitrogen	mg/l	--	--	<0.02	--	<0.02	--	<0.02	--	<0.025	--	0.10	--	0.11	--	<0.10	--	0.055	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	10	--	<5	--	<5	--	9	--	6	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	475	--	460	--	534	--	634	--	602	--	607	--	648	--	679	--	570	--
Conductivity	uS/cm	--	--	2180	--	2110	--	2360	--	2620	--	2480	--	2480	--	2350	--	2790	--	2553	--
Conductivity (Field)	uS/cm	--	--	2222	2150	2002	2040	2380	1890	925	905	870	2166	845	805	590	575	2477	1899	2430	2910
Hardness, Calcium Carbonate	mg/l	--	--	410	--	391	--	460	--	528	--	449	--	481	--	530	--	502	--	421	--
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	--	0.14	--	<0.8	--	0.29	--	<0.8	--	<0.8	--	<0.15	--	0.182	--	0.1	--
pH																					
pH (Field)	-	--	--	7.4	7.3	7.61	7.5	7.27	7.4	7.6	7.6	7.4	7.74	7.4	7.5	7.5	7.5	7.25	7.22	7.9	7.55
Temperature (Field)	deg c	--	15	14	10	10.8	13	8.57	11	13	15	12	11.8	11	13	12	12	11.4	12.6	9.8	12.4
Total Dissolved Solids	mg/l	--	500	1420	--	1370	--	1530	--	1700	--	1610	--	1610	--	1530	--	1810	--	1580	--
Total Organic Carbon	mg/l	--	--	1.7	--	1.8	--	1.4	--	1.9	--	2.5	--	1.3	--	4.1	--	1.4	--	1.2	--
Metals																					
Boron, dissolved	mg/l	5	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	0.01	--	<0.01	--
Calcium, dissolved	mg/l	--	--	108	--	99	--	120	--	139	--	117	--	130	--	143	--	135	--	114	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	34	--	35	--	39	--	44	--	38	--	38	--	42	--	40	--	33	--
Potassium, dissolved	mg/l	--	--	1	--	1	--	1	--	1	--	1	--	1	--	1	--	1	--	11	--
Sodium, dissolved	mg/l	--	200 [3]	328	--	318	--	321	--	359	--	383	--	318	--	330	--	358	--	384	--
Strontium, dissolved	mg/l	--	--	0.247	--	0.260	--	0.270	--	0.336	--	0.321	--	0.288	--	0.387	--	0.437	--	0.222	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.001	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-3D 05-Jun-2013 S-35	93-3D 30-May-2014 93-3D	93-3D 28-May-2015 93-3D	93-3D 01-Jun-2016 S-71	93-3D 08-Jun-2017 93-3D	93-3D 30-May-2018 93-3D	93-3D 07-Jun-2019 93-3D	93-3D 22-May-2020 93-3D	93-3D 25-Jun-2021 93-3D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	205	207	205	205	212	210	224	217	217
Ammonia Nitrogen	mg/l	--	--	0.16	0.08	0.05	0.067	0.30	0.22	0.06	0.024	<0.010
Chemical Oxygen Demand	mg/l	--	--	11	5	12	12	<5	<5	<5	17	17
Chloride	mg/l	--	250	5	4	5	5	5	5	7	13	5
Conductivity	uS/cm	--	--	428	411	421	422	426	417	358	426	419
Conductivity (Field)	uS/cm	--	--	438	497	409	805	810	795	780	755	520
Hardness, Calcium Carbonate	mg/l	--	--	224	232	210	215	200	208	205	208	210
Nitrogen, Total Kjeldahl	mg/l	--	--	0.36	0.26	1.1	0.29	<0.8	<0.8	0.23	0.307	0.266
pH												
pH (Field)	-	--	--	7.3	7.61	7.19	7.6	7.5	7.6	7.4	7.4	8.8
Temperature (Field)	deg c	--	15	16	10.5	10.7	10	10	10	12	9	10.4
Total Dissolved Solids	mg/l	--	500	278	267	274	274	277	271	233	277	272
Total Organic Carbon	mg/l	--	--	3.3	4.1	4.8	4.3	4.7	3.1	3.2	3.2	4
Metals												
Boron, dissolved	mg/l	5	--	<0.01	0.01	0.01	<0.01	<0.01	0.01	<0.01	0.01	0.01
Calcium, dissolved	mg/l	--	--	70	73	66	68	62	67	64	67	66
Iron, dissolved	mg/l	--	0.3	0.66	0.75	<0.03	0.77	0.89	1.09	1.07	0.70	1.06
Magnesium, dissolved	mg/l	--	--	12	12	11	11	11	10	11	10	11
Potassium, dissolved	mg/l	--	--	1	1	1	1	1	1	1	1	1
Sodium, dissolved	mg/l	--	200 [3]	8	5	15	14	17	11	11	10	10
Strontium, dissolved	mg/l	--	--	0.293	0.381	0.324	0.308	0.327	0.253	0.317	0.320	0.262
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-3S 05-Jun-2013 S-36	93-3S 30-May-2014 93-3S	93-3S 28-May-2015 93-3S	93-3S 01-Jun-2016 S-72	93-3S 08-Jun-2017 93-3S	93-3S 30-May-2018 93-3S	93-3S 07-Jun-2019 93-3S	93-3S 22-May-2020 93-3S	93-3S 25-Jun-2021 93-3S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	234	238	232	233	232	231	235	249	238
Ammonia Nitrogen	mg/l	--	--	0.16	0.05	0.06	0.065	0.12	0.12	0.06	0.062	<0.01
Chemical Oxygen Demand	mg/l	--	--	10	5	<5	7	<5	<5	<5	10	<5
Chloride	mg/l	--	250	4	4	4	4	4	4	7	4	6
Conductivity	uS/cm	--	--	460	455	464	459	459	427	400	458	451
Conductivity (Field)	uS/cm	--	--	505	429	454	710	714	720	760	775	520
Hardness, Calcium Carbonate	mg/l	--	--	252	264	264	260	233	246	233	243	233
Nitrogen, Total Kjeldahl	mg/l	--	--	0.38	0.16	<0.8	0.29	<0.8	<0.8	<0.15	0.308	0.229
pH												
pH (Field)	-	--	--	7.6	7.43	7.33	7.5	7.6	7.5	7.5	7.5	8.00
Temperature (Field)	deg c	--	15	13	10.5	11.3	12	11	10	11	9	9.8
Total Dissolved Solids	mg/l	--	500	299	296	302	298	298	278	260	298	293
Total Organic Carbon	mg/l	--	--	1.8	2.2	2.2	2.2	2.3	1.9	2.2	2.2	1.9
Metals												
Boron, dissolved	mg/l	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.01
Calcium, dissolved	mg/l	--	--	73	76	76	76	67	72	67	71	67
Iron, dissolved	mg/l	--	0.3	0.53	0.50	0.66	0.46	0.52	0.07	0.09	0.06	0.42
Magnesium, dissolved	mg/l	--	--	17	18	18	17	16	16	16	16	16
Potassium, dissolved	mg/l	--	--	1	1	1	1	1	1	1	1	1
Sodium, dissolved	mg/l	--	200 [3]	5	4	3	5	5	6	6	5	7
Strontium, dissolved	mg/l	--	--	0.506	0.566	0.535	0.531	0.510	0.485	0.523	0.537	0.44
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-4D 05-Jun-2013 S-37	93-4D 05-Sep-2013 B-6	93-4D 30-May-2014 93-4D	93-4D 03-Sep-2014 [6] S - 5	93-4D 28-May-2015 93-4D	93-4D 16-Sep-2015 93-4D	93-4D 01-Jun-2016 S-73	93-4D 08-Sep-2016 93-4D	93-4D 08-Jun-2017 93-4D	93-4D 28-Aug-2017 93-4D	93-4D 30-May-2018 93-4D	93-4D 07-Sep-2018 93-4D	93-4D 06-Jun-2019 93-4D	93-4D 19-Sep-2019 93-4D	93-4D 22-May-2020 93-4D	93-4D 15-Sep-2020 93-4D	93-4D 25-Jun-2021 93-4D	93-4D 14-Sept-2021 93-4D
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	251	275	267	273	266	293	262	241	271	277	263	282	260	277	260	284	Broken	Broken
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	<0.02	0.04	<0.02	<0.025	<0.025	<0.025	0.12	0.11	0.08	<0.02	<0.010	0.02	<0.010	0.04		
Chemical Oxygen Demand	mg/l	--	--	12	<5	<5	<5	<5	<5	8	18	<5	<5	<5	<5	<5	<5	5	<5		
Chloride	mg/l	--	250	30	39	61	41	51	55	54	34	66	61	41	45	79	44	33	38		
Conductivity	uS/cm	--	--	590	658	707	668	685	739	690	590	701	691	633	690	710	674	598	649		
Conductivity (Field)	uS/cm	--	--	580	605	684	595	537	625	696	710	680	648	700	690	659	638	690	714		
Hardness, Calcium Carbonate	mg/l	--	--	302	320	378	364	357	373	362	244	327	371	323	355	352	348	295	319		
Nitrogen, Total Kieldahl	mg/l	--	--	0.14	0.14	0.12	<0.10	<0.8	1.21	0.33	0.26	<0.8	<0.8	<0.8	0.8	0.17	<0.1	0.316	<0.1		
pH																					
pH (Field)	-	--	--	7.2	7.3	7.26	7.4	7.53	7.5	7.5	7.4	7.5	7.77	7.5	7.6	7.6	7.6	7.7	7.8		
Temperature (Field)	deg c	--	15	11	8	11.3	13	9.1	13	11	13	9	10.9	11	11	10	12	9	9.1		
Total Dissolved Solids	mg/l	--	500	384	428	460	434	445	480	448	384	456	449	411	448	462	438	389	422		
Total Organic Carbon	mg/l	--	--	2.3	1.7	1.7	1.3	1.2	3.7	1.4	5.2	12.5	1.5	1.2	2.0	1.1	1.3	1.3	1.2		
Metals																					
Boron, dissolved	mg/l	5	--	0.02	0.01	0.01	0.01	<0.01	0.02	<0.01	0.02	0.02	0.02	<0.01	0.01	0.01	0.01	0.01	0.02		
Calcium, dissolved	mg/l	--	--	78	82	97	93	92	95	94	68	83	96	85	91	88	90	77	85		
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03		
Magnesium, dissolved	mg/l	--	--	26	28	33	32	31	33	31	18	29	32	27	31	32	30	25	26		
Potassium, dissolved	mg/l	--	--	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1		
Sodium, dissolved	mg/l	--	200 [3]	10	10	12	10	10	11	12	46	12	16	10	13	14	13	11	12		
Strontium, dissolved	mg/l	--	--	0.194	0.158	0.188	0.169	0.165	0.154	0.177	0.471	0.173	0.153	0.134	0.173	0.181	0.173	0.147	0.166		
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-4S 05-Jun-2013 S-38	93-4S 06-Sep-2013 S-8	93-4S 30-May-2014 93-4S	93-4S 03-Sep-2014 S - 6	93-4S 28-May-2015 93-4S	93-4S 22-Sep-2015 93-4S	93-4S 01-Jun-2016 S-74	93-4S 08-Sep-2016 93-4S	93-4S 08-Jun-2017 93-4S	93-4S 28-Aug-2017 93-4S	93-4S 30-May-2018 93-4S	93-4S 07-Sep-2018 93-4S	93-4S 06-Jun-2019 93-4S	93-4S 19-Sep-2019 93-4S	93-4S 22-May-2020 93-4S	93-4S 15-Sep-2020 93-4S	93-4S 25-Jun-2021 93-4S	93-4S 14-Sept-2021 93-4S
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	217	--	222	--	224	--	240	--	231	--	237	--	223	--	221	--	218	--
Ammonia Nitrogen	mg/l	--	--	0.05	--	<0.02	--	<0.02	--	<0.025	--	0.09	--	0.13	--	<0.020	--	<0.010	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	18	--	10	--	10	--	9	--	<5	--	<5	--	<5	--	13	--	19	--
Chloride	mg/l	--	250	19	--	18	--	24	--	31	--	42	--	47	--	44	--	33	--	29	--
Conductivity	uS/cm	--	--	523	--	519	--	548	--	585	--	616	--	603	--	541	--	557	--	330	--
Conductivity (Field)	uS/cm	--	--	520	495	792	480	658	535	725	720	740	1059	720	680	705	695	700	702	524	580
Hardness, Calcium Carbonate	mg/l	--	--	207	--	216	--	221	--	240	--	221	--	236	--	222	--	209	--	199	--
Nitrogen, Total Kjeldahl	mg/l	--	--	0.28	--	0.25	--	<0.8	--	0.23	--	<0.8	--	<0.8	--	<0.15	--	0.307	--	0.151	--
pH																					--
pH (Field)	-	--	--	7.6	7.4	7.32	7.8	7.22	7.7	7.4	7.4	7.5	7.89	7.4	7.4	7.4	7.4	7.5	7.7	8.3	7.8
Temperature (Field)	deg c	--	15	9	10	12.1	12	11.6	11	12	15	11	13.9	10	12	10	13	8	9.0	9.6	11.5
Total Dissolved Solids	mg/l	--	500	340	--	337	--	356	--	380	--	400	--	392	--	352	--	362	--	341	--
Total Organic Carbon	mg/l	--	--	4.1	--	5.2	--	4.2	--	3.6	--	4.0	--	2.7	--	3.8	--	4.3	--	3.8	--
Metals																					
Boron, dissolved	mg/l	5	--	0.01	--	0.02	--	0.01	--	0.02	--	0.02	--	0.02	--	0.01	--	0.02	--	0.02	--
Calcium, dissolved	mg/l	--	--	58	--	60	--	62	--	68	--	62	--	68	--	61	--	59	--	55	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	0.05	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	15	--	16	--	16	--	17	--	16	--	16	--	17	--	15	--	15	--
Potassium, dissolved	mg/l	--	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	36	--	38	--	40	--	40	--	45	--	40	--	35	--	36	--	38	--
Strontium, dissolved	mg/l	--	--	0.437	--	0.459	--	0.415	--	0.473	--	0.472	--	0.449	--	0.496	--	0.481	--	0.371	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-5D 04-Jun-2013 S-13	93-5D 05-Sep-2013 B-9	93-5D 30-May-2014 93-5D	93-5D 03-Sep-2014 [6] S - 18	93-5D 28-May-2015 93-5D	93-5D 16-Sep-2015 93-5D	93-5D 25-May-2016 S-38	93-5D 08-Sep-2016 93-5D	93-5D 08-Jun-2017 93-5D	93-5D 29-Aug-2017 93-5D	93-5D 29-May-2018 93-5D	93-5D 12-Sep-2018 93-5D	93-5D 07-Jun-2019 93-5D	93-5D 19-Sep-2019 93-5D	93-5D 27-May-2020 93-5D	93-5D 15-Sep-2020 93-5D	93-5D 24-Jun-2021 93-5D	93-5D 14-Sept-2021 93-5D
General Chemistry																						
Alkalinity (Total as CaCO3)	mg/l	--	--	420	412	409	394	400	491	477	477	445	391	425	430	462	439	478	384	451	474
Ammonia Nitrogen	mg/l	--	--	2.91	2.01	0.83	1.36	0.29	2.08	1.02	1.27	1.21	0.68	1.33	0.78	1.7	1.74	1.09	1.04	1.7	1.87
Chemical Oxygen Demand	mg/l	--	--	19	14	14	10	9	26	18	20	18	8	<5	12	<5	9	8	16	9	13
Chloride	mg/l	--	250	20	20	12	9	13	18	16	14	19	14	11	12	14	12	9	7	12	12
Conductivity	uS/cm	--	--	851	828	784	777	800	911	865	866	845	757	813	829	767	830	774	744	825	837
Conductivity (Field)	uS/cm	--	--	800	825	712	820	796	830	735	720	705	672	685	660	705	590	650	672	980	870
Hardness, Calcium Carbonate	mg/l	--	--	396	358	367	392	359	418	382	402	350	363	384	343	371	379	337	344	373	358
Nitrogen, Total Kieldahl	mg/l	--	--	3.10	2.62	1.10	1.62	1.1	2.82	1.97	1.48	2.0	1.0	1.9	3.5	1.97	1.9	1.83	1.3	2.16	2.77
pH																						
pH (Field)	-	--	--	7.2	7.3	7.38	7.4	7.32	7.5	7.6	7.6	7.5	7.99	7.4	7.3	7.4	7.6	6.47	6.64	7.4	7.23
Temperature (Field)	deg c	--	15	12	11	12.3	13	11.2	12	10	12	10	10.9	9	10	10	12	12.1	12.4	10.1	11.7
Total Dissolved Solids	mg/l	--	500	553	538	510	505	520	592	562	563	549	492	528	539	499	540	503	484	536	544
Total Organic Carbon	mg/l	--	--	6.0	6.3	5.8	5.4	5.5	7.3	6.0	6.6	6.4	6.1	5.4	5.8	7.3	6.1	5.1	5.9	5	6.8
Metals																						
Boron, dissolved	mg/l	5	--	0.35	0.34	0.40	0.34	0.42	0.55	0.53	0.49	0.42	0.39	0.39	0.42	0.45	0.40	0.35	0.31	0.43	0.39
Calcium, dissolved	mg/l	--	--	114	102	104	111	101	118	107	113	99	104	111	96	104	109	97	100	105	99
Iron, dissolved	mg/l	--	0.3	7.31	2.59	1.12	1.19	0.90	4.16	2.04	0.94	3.73	1.04	3.82	2.67	7.60	4.31	0.96	0.55	5.82	1.69
Magnesium, dissolved	mg/l	--	--	27	25	26	28	26	30	28	29	25	25	26	25	27	26	23	23	27	27
Potassium, dissolved	mg/l	--	--	6	6	4	4	4	5	5	5	4	5	5	4	4	4	4	4	4	4
Sodium, dissolved	mg/l	--	200 [3]	40	35	45	45	48	42	54	55	51	40	43	48	38	41	34	31	48	46
Strontium, dissolved	mg/l	--	--	1.08	1.13	1.26	1.09	1.22	1.39	1.50	1.50	1.36	1.21	1.30	1.38	1.69	1.65	1.29	0.958	1.64	1.29
Phenols																						
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.008	0.004	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-5S 04-Jun-2013 S-14	93-5S 05-Sep-2013 B-8	93-5S 30-May-2014 93-5S	93-5S 03-Sep-2014 [6] S - 19	93-5S 28-May-2015 93-5S	93-5S 16-Sep-2015 93-5S	93-5S 25-May-2016 S-40	93-5S 08-Sep-2016 93-5S	93-5S 08-Jun-2017 93-5S	93-5S 29-Aug-2017 93-5S	93-5S 29-May-2018 93-5S	93-5S 12-Sep-2018 93-5S	93-5S 07-Jun-2019 93-5S	93-5S 19-Sep-2019 93-5S	93-5S 27-May-2020 93-5S	93-5S 15-Sep-2020 93-5S	93-5S 23-June-2021 93-5S	93-5S 14-Sept-2021 93-5S
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	356	445	409	436	501	478	513	423	432	423	440	382	391	380	460	395	437	374
Ammonia Nitrogen	mg/l	--	--	1.32	2.26	1.52	1.44	2.85	2.58	1.58	2.61	0.88	1.96	1.02	1.79	1.3	2.87	1.61	2.90	1.53	3.49
Chemical Oxygen Demand	mg/l	--	--	14	18	11	8	20	29	19	17	<5	11	14	9	<5	11	5	7	15	13
Chloride	mg/l	--	250	10	20	9	12	18	16	14	18	10	9	8	11	8	11	7	8	12	12
Conductivity	uS/cm	--	--	715	883	776	854	958	908	899	793	801	822	806	728	631	752	730	745	817	693
Conductivity (Field)	uS/cm	--	--	820	820	772	795	957	770	775	760	705	773	710	700	624	616	670	688	860	770
Hardness, Calcium Carbonate	mg/l	--	--	344	363	385	412	482	388	430	392	357	401	378	313	331	351	344	334	355	315
Nitrogen, Total Kieldahl	mg/l	--	--	1.58	2.32	1.67	1.45	4.1	3.18	2.32	2.65	2.4	1.9	1.6	3.5	1.41	3.0	1.61	3.8	2.17	3.95
pH																					
pH (Field)	-	--	--	6.8	7.0	6.99	7.0	6.79	7.2	7.3	7.4	7.4	7.63	7.5	7.3	7.6	7.5	6.43	6.59	7.3	7.03
Temperature (Field)	deg c	--	15	11	10	12.4	13	9.7	11	13	14	11	11.1	10	10	12	13	9.1	11.2	10.2	11.1
Total Dissolved Solids	mg/l	--	500	465	574	504	555	623	590	584	515	521	534	524	473	410	489	474	484	531	450
Total Organic Carbon	mg/l	--	--	4.2	9.0	5.5	6.9	9.3	8.3	6.8	5.5	7.0	6.4	5.4	4.7	4.7	5.3	4.5	5.3	5.7	4.6
Metals																					
Boron, dissolved	mg/l	5	--	0.28	0.56	0.34	0.46	0.52	0.64	0.47	0.28	0.39	0.49	0.39	0.30	0.30	0.35	0.31	0.35	0.54	0.28
Calcium, dissolved	mg/l	--	--	98	104	108	117	137	111	121	111	100	116	110	89	93	101	98	99	101	90
Iron, dissolved	mg/l	--	0.3	1.43	3.96	3.36	1.89	8.24	5.15	5.34	4.67	3.49	4.32	2.67	3.37	2.87	3.96	1.66	3.75	3.91	3.9
Magnesium, dissolved	mg/l	--	--	24	25	28	29	34	27	31	28	26	27	25	22	24	24	24	21	25	22
Potassium, dissolved	mg/l	--	--	4	5	4	5	6	5	5	5	3	5	4	5	4	4	4	5	4	5
Sodium, dissolved	mg/l	--	200 [3]	31	49	34	54	33	52	41	32	37	38	40	28	21	30	24	31	55	21
Strontium, dissolved	mg/l	--	--	0.989	1.34	1.07	1.29	1.35	1.23	1.35	1.13	1.07	1.38	1.28	1.17	0.948	1.51	0.892	1.21	1.59	1.09
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	<0.001	0.002	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	0.004	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-6 05-Jun-2013 S-27	93-6 23-May-2014 [9] 93-6	93-6 03-Jun-2015 93-6	93-6 24-May-2016 S-25	93-6 06-Jun-2017 93-6	93-6 29-May-2018 93-6	93-6 05-Jun-2019 93-6	93-6 22-May-2020 93-6	93-6 23-Jun-2021 93-6
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	359	431	418	490	372	363	449	549	573
Ammonia Nitrogen	mg/l	--	--	0.16	0.49	0.54	0.768	0.24	0.38	0.098	0.128	0.065
Chemical Oxygen Demand	mg/l	--	--	15	16	29	16	12	9	15	<5	<5
Chloride	mg/l	--	250	4	4	6	7	3	4	7	8	8
Conductivity	uS/cm	--	--	719	803	812	879	697	655	720	999	1080
Conductivity (Field)	uS/cm	--	--	705	442	365	411	425	490	580	430	450
Hardness, Calcium Carbonate	mg/l	--	--	413	462	462	514	411	397	454	558	646
Nitrogen, Total Kjeldahl	mg/l	--	--	0.34	0.74	0.71	0.95	0.9	1.3	0.68	0.698	0.523
pH	-	--	--	--	--	--	--	--	--	8.04	--	
pH (Field)	-	--	--	6.7	7.64	7.6	7.6	7.7	7.3	7.5	7.7	7.8
Temperature (Field)	deg c	--	15	13	10.6	12	12	10	10	10	9	14.6
Total Dissolved Solids	mg/l	--	500	467	522	528	571	453	426	468	649	702
Total Organic Carbon	mg/l	--	--	3.3	4.0	4.6	3.9	3.5	2.7	3.6	4.7	3.6
Metals												
Boron, dissolved	mg/l	5	--	0.02	0.04	0.05	0.08	0.03	0.04	0.03	0.07	0.1
Calcium, dissolved	mg/l	--	--	116	134	134	158	120	121	129	169	191
Iron, dissolved	mg/l	--	0.3	0.17	0.24	0.22	0.15	0.21	<0.03	0.08	0.34	0.08
Magnesium, dissolved	mg/l	--	--	30	31	31	29	27	23	32	33	41
Potassium, dissolved	mg/l	--	--	2	2	2	4	2	3	2	3	4
Sodium, dissolved	mg/l	--	200 [3]	5	6	6	9	4	5	5	8	13
Strontium, dissolved	mg/l	--	--	0.181	0.255	0.244	0.339	0.208	0.236	0.216	0.309	0.35
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.002	<0.002	<0.001	0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-7 05-Jun-2013 S-28	93-7 23-May-2014 93-7	93-7 03-Jun-2015 93-7	93-7 24-May-2016 S-26	93-7 06-Jun-2017 93-7	93-7 29-May-2018 93-7	93-7 05-Jun-2019 93-7	93-7 22-May-2020 93-7	93-7 23-Jun-2021 93-7	93-7 14-Sept-2021 93-7
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	269	259	324	294	255	250	322	273	No Sample	500
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	<0.05	<0.025	0.13	0.09	0.011	<0.010	--	<0.010
Chemical Oxygen Demand	mg/l	--	--	14	7	22	8	12	<5	15	<5	--	13
Chloride	mg/l	--	250	2	2	3	2	1	2	6	2	--	4
Conductivity	uS/cm	--	--	510	473	591	498	454	389	515	504	--	888
Conductivity (Field)	uS/cm	--	--	470	380	450	465	440	525	566	445	--	980
Hardness, Calcium Carbonate	mg/l	--	--	298	274	349	305	273	347	329	279	--	513
Nitrogen, Total Kjeldahl	mg/l	--	--	0.13	<0.10	0.24	0.32	1.3	<0.8	0.50	0.193	--	0.775
pH	-	--	--	--	--	--	--	--	--	8.13	--	--	--
pH (Field)	-	--	--	7.2	7.62	7.7	7.8	7.6	7.3	7.5	7.6	--	7.6
Temperature (Field)	deg c	--	15	12	10.1	11	12	11	10	10	8	--	17.6
Total Dissolved Solids	mg/l	--	500	332	307	384	324	295	253	335	328	--	577
Total Organic Carbon	mg/l	--	--	2.5	2.0	2.2	1.3	6.1	1.2	1.2	1.9	--	2.8
Metals													
Boron, dissolved	mg/l	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	0.02
Calcium, dissolved	mg/l	--	--	73	70	87	76	68	86	89	72	--	136
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	--	0.03
Magnesium, dissolved	mg/l	--	--	28	24	32	28	25	32	26	24	--	42
Potassium, dissolved	mg/l	--	--	<1	<1	<1	<1	<1	<1	<1	<1	--	<1
Sodium, dissolved	mg/l	--	200 [3]	<2	<2	<2	<2	<2	<2	4	<2	--	7
Strontium, dissolved	mg/l	--	--	0.042	0.050	0.052	0.053	0.042	0.052	0.066	0.056	--	0.14
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-8D 06-Jun-2013 S-44	93-8D 05-Sep-2013 B-7	93-8D 17-Jun-2014 93-8D	93-8D 03-Sep-2014 [6] S - 7	93-8D 28-May-2015 93-8D	93-8D 16-Sep-2015 93-8D	93-8D 26-May-2016 S-49	93-8D 08-Sep-2016 93-8D	93-8D 08-Jun-2017 93-8D	93-8D 28-Aug-2017 93-8D	93-8D 30-May-2018 93-8D	93-8D 12-Sep-2018 93-8D	93-8D 10-Jun-2019 93-8D	93-8D 19-Sep-2019 93-8D	93-8D 27-May-2020 93-8D	93-8D 15-Sep-2020 93-8D	93-8D 24-Jun-2021 93-8D	93-8D 14-Sept-2021 93-8D
General Chemistry																						
Alkalinity (Total as CaCO3)	mg/l	--	--	242	243	240	231	241	260	257	255	244	241	260	259	253	251	293	244	247	261
Ammonia Nitrogen	mg/l	--	--	0.10	0.13	0.15	0.05	0.06	0.08	0.036	0.062	0.20	0.15	0.13	0.11	0.094	0.13	0.083	0.08	0.062	0.072
Chemical Oxygen Demand	mg/l	--	--	16	<5	8	<5	6	11	15	12	8	<5	<5	<5	<5	<5	<5	<5	<5	7
Chloride	mg/l	--	250	602	611	563	605	599	576	603	599	636	591	622	682	632	649	685	676	670	680
Conductivity	uS/cm	--	--	2500	2500	2390	2380	2520	2550	2500	2490	2550	2560	2530	2560	2250	2620	2730	2680	2640	2900
Conductivity (Field)	uS/cm	--	--	2210	2185	2306	2150	2457	2075	2150	2010	2004	1844	1890	1610	1795	1735	2370	2105	2988	3007
Hardness, Calcium Carbonate	mg/l	--	--	589	538	628	635	649	600	591	600	544	657	--	565	621	611	651	613	632	733
Nitrogen, Total Kieldahl	mg/l	--	--	0.10	0.19	0.24	0.11	<0.8	0.29	0.22	0.27	<0.8	<0.8	<0.8	1.0	0.17	0.2	0.342	<0.1	0.1	0.566
pH																						
pH (Field)	-	--	--	7.6	7.7	7.83	7.7	7.54	7.8	7.8	7.8	7.7	7.96	7.7	7.6	7.6	7.5	7.15	7.21	7.8	7.6
Temperature (Field)	deg c	--	15	14	10	12.0	12	11.0	11	11	13	10	10.9	9	11	10	10	17.2	13	10.5	12.6
Total Dissolved Solids	mg/l	--	500	1620	1620	1550	1550	1640	1660	1620	1620	1660	1660	1640	1660	1460	1700	1770	1740	1720	1880
Total Organic Carbon	mg/l	--	--	2.0	2.4	2.3	2.2	2.3	2.0	1.8	1.9	2.7	2.3	1.9	1.8	5.9	2.2	2.0	2.0	1.7	2.3
Metals																						
Boron, dissolved	mg/l	5	--	0.59	0.70	0.93	0.84	0.73	0.91	0.84	0.81	0.82	0.92	0.80	0.80	0.86	0.86	0.91	0.83	0.81	0.77
Calcium, dissolved	mg/l	--	--	142	128	154	152	156	143	141	143	129	161	149	134	153	149	160	153	151	175
Iron, dissolved	mg/l	--	0.3	1.26	1.47	0.56	0.23	0.55	1.19	0.47	0.52	1.58	0.66	0.65	0.55	2.09	1.23	0.53	1.16	1.61	0.85
Magnesium, dissolved	mg/l	--	--	57	53	59	62	63	59	58	59	54	62	56	56	58	58	61	56	62	72
Potassium, dissolved	mg/l	--	--	5	5	5	5	5	5	5	5	5	5	5	5	6	6	5	6	5	5
Sodium, dissolved	mg/l	--	200 [3]	300	291	215	233	226	248	249	322	242	310	273	336	278	278	250	316	319	291
Strontium, dissolved	mg/l	--	--	6.01	6.33	6.51	6.63	7.28	5.77	6.48	6.84	6.59	6.45	6.60	6.88	7.40	7.06	8.50	7.45	7.79	8.61
Phenols																						
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	0.04	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-8M 06-Jun-2013 S-45	93-8M 06-Sep-2013 S-9	93-8M 17-Jun-2014 93-8M	93-8M 03-Sep-2014 S - 8	93-8M 28-May-2015 93-8M	93-8M 16-Sep-2015 93-8M	93-8M 26-May-2016 S-50	93-8M 08-Sep-2016 93-8M	93-8M 08-Jun-2017 93-8M	93-8M 28-Aug-2017 93-8M	93-8M 30-May-2018 93-8M	93-8M 12-Sep-2018 93-8M	93-8M 10-Jun-2019 93-8M	93-8M 19-Sep-2019 93-8M	93-8M 27-May-2020 93-8M	93-8M 15-Sep-2020 93-8M	93-8M 24-Jun-2021 93-8M	93-8M 14-Sept-2021 93-8M
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	264	--	272	--	262	--	292	--	271	--	273	--	272	--	339	--	284	--
Ammonia Nitrogen	mg/l	--	--	0.06	--	0.09	--	0.06	--	0.047	--	0.19	--	0.16	--	0.084	--	0.080	--	0.121	--
Chemical Oxygen Demand	mg/l	--	--	15	--	6	--	<5	--	16	--	9	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	501	--	468	--	557	--	577	--	515	--	511	--	488	--	687	--	700	--
Conductivity	uS/cm	--	--	2190	--	2100	--	2380	--	2450	--	2150	--	2160	--	1840	--	2680	--	2750	--
Conductivity (Field)	uS/cm	--	--	2180	2095	2015	2020	2394	2040	1841	1870	1770	2024	1790	1720	1715	1688	2259	1988	2996	3260
Hardness, Calcium Carbonate	mg/l	--	--	559	--	571	--	635	--	644	--	525	--	553	--	576	--	650	--	686	--
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	--	0.16	--	<0.8	--	0.19	--	<0.8	--	<0.8	--	0.27	--	0.349	--	0.257	--
pH																					
pH (Field)	-	--	--	7.2	7.3	7.38	7.4	7.28	7.5	7.4	7.5	7.4	7.85	7.4	7.4	7.5	7.5	7.14	7.11	7.5	7.3
Temperature (Field)	deg c	--	15	12	10	11.5	14	10.2	12	12	14	11	10.6	10	11	11	12	14.2	13.1	9.5	11
Total Dissolved Solids	mg/l	--	500	1420	--	1360	--	1550	--	1590	--	1400	--	1400	--	1200	--	1740	--	1790	--
Total Organic Carbon	mg/l	--	--	2.3	--	2.5	--	2.6	--	1.9	--	3.4	--	2.2	--	2.7	--	2.2	--	1.9	--
Metals																					
Boron, dissolved	mg/l	5	--	0.11	--	0.14	--	0.14	--	0.14	--	0.18	--	0.16	--	0.27	--	0.19	--	0.17	--
Calcium, dissolved	mg/l	--	--	148	--	153	--	167	--	169	--	136	--	149	--	155	--	173	--	179	--
Iron, dissolved	mg/l	--	0.3	0.43	--	0.17	--	0.18	--	0.50	--	0.36	--	0.41	--	0.41	--	0.34	--	0.58	--
Magnesium, dissolved	mg/l	--	--	46	--	46	--	53	--	54	--	45	--	44	--	46	--	53	--	58	--
Potassium, dissolved	mg/l	--	--	4	--	4	--	4	--	4	--	3	--	4	--	4	--	4	--	4	--
Sodium, dissolved	mg/l	--	200 [3]	240	--	223	--	242	--	226	--	217	--	233	--	211	--	262	--	317	--
Strontium, dissolved	mg/l	--	--	1.52	--	1.37	--	1.77	--	1.69	--	1.68	--	1.62	--	1.85	--	2.02	--	2.14	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.002	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-8S 06-Jun-2013 S-46	93-8S 06-Sep-2013 S-10	93-8S 17-Jun-2014 93-8S	93-8S 03-Sep-2014 S - 9	93-8S 28-May-2015 93-8S	93-8S 16-Sep-2015 93-8S	93-8S 26-May-2016 S-51	93-8S 08-Sep-2016 93-8S	93-8S 08-Jun-2017 93-8S	93-8S 28-Aug-2017 93-8S	93-8S 30-May-2018 93-8S	93-8S 12-Sep-2018 93-8S	93-8S 10-Jun-2019 93-8S	93-8S 19-Sep-2019 93-8S	93-8S 27-May-2020 93-8S	93-8S 15-Sep-2020 93-8S	93-8S 24-Jun-2021 93-8S	93-8S 14-Sept-2021 93-8S
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	312	--	333	--	323	--	336	--	319	--	306	--	318	--	357	--	277	--
Ammonia Nitrogen	mg/l	--	--	<0.02	--	0.03	--	<0.02	--	<0.025	--	<0.05	--	0.12	--	<0.010	--	0.014	--	0.011	--
Chemical Oxygen Demand	mg/l	--	--	16	--	<5	--	<5	--	14	--	9	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	481	--	305	--	553	--	532	--	278	--	410	--	496	--	645	--	820	--
Conductivity	uS/cm	--	--	2190	--	1690	--	2470	--	2330	--	2280	--	1920	--	2000	--	2630	--	3020	--
Conductivity (Field)	uS/cm	--	--	2010	2000	1474	1980	2921	1890	1440	1350	1440	1816	1390	1340	1380	1245	1857	1777	2999	3080
Hardness, Calcium Carbonate	mg/l	--	--	594	--	494	--	651	--	589	--	562	--	479	--	602	--	604	--	711	--
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	--	0.16	--	<0.8	--	0.14	--	<0.8	--	<0.8	--	0.15	--	0.187	--	0.16	--
pH																					
pH (Field)	-	--	--	7.8	7.8	7.41	7.9	7.17	7.7	7.6	7.6	7.5	7.88	7.5	7.5	7.4	7.4	7.27	7.21	7.3	7.2
Temperature (Field)	deg c	--	15	11	9	12.0	12	10.0	12	13	15	12	11.0	11	12	11	13	11.4	11.8	9.5	11.4
Total Dissolved Solids	mg/l	--	500	1420	--	1100	--	1610	--	1510	--	1480	--	1250	--	1300	--	1710	--	1960	--
Total Organic Carbon	mg/l	--	--	1.8	--	2.2	--	2.1	--	1.5	--	2.8	--	1.7	--	3.5	--	1.8	--	1.5	--
Metals																					
Boron, dissolved	mg/l	5	--	0.08	--	0.12	--	0.06	--	0.05	--	0.12	--	0.11	--	0.12	--	0.07	--	0.08	--
Calcium, dissolved	mg/l	--	--	152	--	127	--	165	--	150	--	141	--	126	--	157	--	156	--	179	--
Iron, dissolved	mg/l	--	0.3	0.67	--	0.16	--	0.52	--	0.58	--	0.31	--	0.41	--	0.44	--	0.04	--	0.96	--
Magnesium, dissolved	mg/l	--	--	52	--	43	--	58	--	52	--	51	--	40	--	51	--	52	--	64	--
Potassium, dissolved	mg/l	--	--	3	--	3	--	4	--	3	--	3	--	3	--	3	--	4	--	4	--
Sodium, dissolved	mg/l	--	200 [3]	231	--	174	--	225	--	230	--	237	--	194	--	229	--	281	--	362	--
Strontium, dissolved	mg/l	--	--	1.23	--	0.923	--	1.25	--	1.14	--	1.15	--	1.26	--	1.28	--	1.18	--	1.65	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.002	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-3D 04-Jun-2013 S-17	98-3D 29-May-2014 98-3D	98-3D 27-May-2015 98-3D	98-3D 25-May-2016 S-36	98-3D 09-Jun-2017 98-3D	98-3D 01-Jun-2018 98-3D	98-3D 10-Jun-2019 98-3D	98-3D 23-May-2020 98-5D	98-3D 24-Jun-2021 98-5D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	375	353	387	388	375	298	329	319	318
Ammonia Nitrogen	mg/l	--	--	4.12	2.44	3.92	2.89	1.84	1.29	3.15	1.57	1.67
Chemical Oxygen Demand	mg/l	--	--	25	11	23	18	21	5	<5	26	12
Chloride	mg/l	--	250	13	7	9	9	10	4	8	3	4
Conductivity	uS/cm	--	--	764	686	743	712	702	571	543	609	604
Conductivity (Field)	uS/cm	--	--	840	530	604	760	710	685	660	675	620
Hardness, Calcium Carbonate	mg/l	--	--	375	369	412	366	364	280	335	304	320
Nitrogen, Total Kjeldahl	mg/l	--	--	4.95	2.48	4.95	3.51	4.2	2.3	3.57	2.01	2.04
pH												
pH (Field)	-	--	--	6.6	7.38	7.43	7.2	7.6	7.6	7.6	7.5	7.1
Temperature (Field)	deg c	--	15	12	11.9	11.6	11	12	11	10	8	10.8
Total Dissolved Solids	mg/l	--	500	497	446	483	463	456	371	353	396	393
Total Organic Carbon	mg/l	--	--	7.8	6.6	8.7	6.5	7.8	5.9	6.1	5.6	5.2
Metals												
Boron, dissolved	mg/l	5	--	0.22	0.16	0.24	0.21	0.20	0.15	0.16	0.13	0.14
Calcium, dissolved	mg/l	--	--	109	110	119	107	108	84	101	92	95
Iron, dissolved	mg/l	--	0.3	7.26	5.60	7.02	6.83	9.06	5.70	8.24	4.05	5.32
Magnesium, dissolved	mg/l	--	--	25	23	28	24	23	17	20	18	20
Potassium, dissolved	mg/l	--	--	6	4	6	5	5	4	4	3	4
Sodium, dissolved	mg/l	--	200 [3]	13	9	14	10	10	8	9	8	8
Strontium, dissolved	mg/l	--	--	0.340	0.274	0.283	0.280	0.327	0.200	0.317	0.259	0.26
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-3M 04-Jun-2013 S-18	98-3M 29-May-2014 98-3M	98-3M 27-May-2015 98-3M	98-3M 25-May-2016 S-37	98-3M 09-Jun-2017 98-3M	98-3M 01-Jun-2018 98-3M	98-3M 10-Jun-2019 98-3M	98-3M 23-May-2020 98-5M	98-3M 24-Jun-2021 98-5M
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	356	302	323	432	307	305	284	278	303
Ammonia Nitrogen	mg/l	--	--	0.07	0.03	0.03	0.034	0.19	0.12	<0.010	<0.010	0.076
Chemical Oxygen Demand	mg/l	--	--	7	<5	7	9	<5	<5	10	12	<5
Chloride	mg/l	--	250	8	4	6	9	5	3	6	2	4
Conductivity	uS/cm	--	--	715	597	640	781	591	554	500	545	582
Conductivity (Field)	uS/cm	--	--	709	510	604	700	720	735	738	718	230
Hardness, Calcium Carbonate	mg/l	--	--	354	331	363	371	319	267	308	281	306
Nitrogen, Total Kjeldahl	mg/l	--	--	0.21	<0.10	0.26	0.53	<0.8	<0.8	0.23	0.274	0.18
pH												
pH (Field)	-	--	--	7.2	7.31	7.36	7.51	7.6	7.6	7.5	7.6	7.5
Temperature (Field)	deg c	--	15	13	12.2	11.9	12	12	11	12	9	10.3
Total Dissolved Solids	mg/l	--	500	465	388	416	508	384	360	325	354	378
Total Organic Carbon	mg/l	--	--	3.1	1.9	2.6	3.3	4.5	1.7	1.6	1.5	1.4
Metals												
Boron, dissolved	mg/l	5	--	0.50	0.21	0.43	0.86	0.22	0.15	0.10	0.10	0.29
Calcium, dissolved	mg/l	--	--	102	98	104	104	93	79	92	83	88
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	0.06	<0.03	<0.03	<0.03	0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	24	21	25	27	21	17	19	18	21
Potassium, dissolved	mg/l	--	--	2	2	2	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [3]	24	12	22	41	11	11	8	9	15
Strontium, dissolved	mg/l	--	--	1.40	0.963	1.10	1.48	1.01	0.758	0.923	0.845	0.92
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-3S 04-Jun-2013 S-19	98-3S 29-May-2014 98-3S	98-3S 27-May-2015 98-3S	98-3S 25-May-2016 S-38	98-3S 09-Jun-2017 98-3S	98-3S 01-Jun-2018 98-3S	98-3S 10-Jun-2019 98-3S	98-3S 23-May-2020 98-5S	98-3S 24-Jun-2021 98-5S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	221	262	246	283	229	244	260	253	261
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	<0.02	<0.025	0.15	0.12	<0.010	<0.010	<0.010
Chemical Oxygen Demand	mg/l	--	--	7	<5	5	6	<5	<5	<5	<5	<5
Chloride	mg/l	--	250	4	2	4	5	3	4	5	3	4
Conductivity	uS/cm	--	--	440	488	474	490	424	448	420	444	481
Conductivity (Field)	uS/cm	--	--	541	501	605	420	520	510	519	539	520
Hardness, Calcium Carbonate	mg/l	--	--	240	287	295	277	242	231	266	241	268
Nitrogen, Total Kjeldahl	mg/l	--	--	0.12	<0.10	0.18	0.40	1.0	<0.8	0.22	0.190	0.17
pH												
pH (Field)	-	--	--	7.1	7.32	7.40	7.5	7.5	7.6	7.5	7.5	7.6
Temperature (Field)	deg c	--	15	12	12.6	13.1	13	13	11	12	10	11
Total Dissolved Solids	mg/l	--	500	286	317	308	318	276	291	273	289	313
Total Organic Carbon	mg/l	--	--	1.4	2.0	1.5	0.9	3.2	1.6	2.5	1.3	1.1
Metals												
Boron, dissolved	mg/l	5	--	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.01	0.06
Calcium, dissolved	mg/l	--	--	63	77	77	73	64	63	72	65	71
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.04
Magnesium, dissolved	mg/l	--	--	20	23	25	23	20	18	21	19	22
Potassium, dissolved	mg/l	--	--	<1	<1	1	<1	<1	<1	<1	1	<1
Sodium, dissolved	mg/l	--	200 [3]	2	<2	2	3	2	2	2	2	3
Strontium, dissolved	mg/l	--	--	0.090	0.088	0.084	0.113	0.085	0.084	0.103	0.090	0.1
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-5D 04-Jun-2013 S-20	98-5D 29-May-2014 98-5D	98-5D 28-May-2015 [10] 98-5D	98-5D 25-May-2016 S-33	98-5D 08-Jun-2017 98-5D	98-5D 01-Jun-2018 98-5D	98-5D 07-Jun-2019 98-5D	98-5D 23-May-2020 98-3D	98-5D 25-Jun-2021 98-3D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	323	334	314	358	370	334	348	344	346
Ammonia Nitrogen	mg/l	--	--	0.04	0.08	0.06	0.044	0.19	0.17	0.07	0.157	0.014
Chemical Oxygen Demand	mg/l	--	--	<5	<5	10	6	15	<5	<5	8	<5
Chloride	mg/l	--	250	24	22	20	21	23	18	19	15	15
Conductivity	uS/cm	--	--	696	692	656	697	715	671	596	657	671
Conductivity (Field)	uS/cm	--	--	630	651	650	590	605	620	690	695	690
Hardness, Calcium Carbonate	mg/l	--	--	375	383	348	373	358	326	334	340	363
Nitrogen, Total Kjeldahl	mg/l	--	--	0.14	0.14	<0.8	0.23	<0.8	<0.8	0.38	0.364	0.213
pH												
pH (Field)	-	--	--	7.3	7.47	6.53	7.40	7.4	7.2	7.3	7.4	7.6
Temperature (Field)	deg c	--	15	11	11.1	11.3	11	10	10	12	10	10.4
Total Dissolved Solids	mg/l	--	500	452	450	426	453	465	436	387	427	436
Total Organic Carbon	mg/l	--	--	3.1	3.6	3.9	3.4	4.9	3.6	3.4	3.4	2.6
Metals												
Boron, dissolved	mg/l	5	--	0.11	0.12	0.12	0.14	0.14	0.13	0.13	0.12	0.12
Calcium, dissolved	mg/l	--	--	109	114	103	108	102	96	96	100	101
Iron, dissolved	mg/l	--	0.3	0.09	0.10	0.18	0.10	0.05	0.10	0.14	0.14	0.05
Magnesium, dissolved	mg/l	--	--	25	24	22	25	25	21	23	22	27
Potassium, dissolved	mg/l	--	--	2	2	2	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [3]	12	13	11	14	18	11	12	11	13
Strontium, dissolved	mg/l	--	--	0.976	0.957	1.05	1.01	1.10	0.898	1.05	1.05	0.943
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-5M 04-Jun-2013 S-21	98-5M 29-May-2014 98-5M	98-5M 28-May-2015 98-5M	98-5M 25-May-2016 S-35	98-5M 08-Jun-2017 98-5M	98-5M 01-Jun-2018 98-5M	98-5M 07-Jun-2019 98-5M	98-5M 23-May-2020 98-3M	98-5M 25-Jun-2021 98-3M
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	298	310	308	328	290	290	276	278	321
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	<0.02	<0.025	0.16	0.11	<0.010	0.025	<0.010
Chemical Oxygen Demand	mg/l	--	--	8	<5	11	9	8	<5	<5	14	<5
Chloride	mg/l	--	250	9	5	7	7	6	4	7	3	3
Conductivity	uS/cm	--	--	622	615	631	614	565	520	492	526	611
Conductivity (Field)	uS/cm	--	--	590	500	595	520	510	530	570	550	340
Hardness, Calcium Carbonate	mg/l	--	--	350	351	354	345	297	271	281	289	340
Nitrogen, Total Kjeldahl	mg/l	--	--	0.18	0.15	1.3	1.45	<0.8	<0.8	0.45	0.401	0.183
pH												
pH (Field)	-	--	--	7.0	7.43	6.64	7.44	7.3	7.3	7.4	7.4	8.5
Temperature (Field)	deg c	--	15	12	11.2	10.9	11	10	11	12	10	10.3
Total Dissolved Solids	mg/l	--	500	404	400	410	399	367	338	320	342	397
Total Organic Carbon	mg/l	--	--	2.8	3.2	3.4	2.7	4.1	2.9	2.9	2.7	2.4
Metals												
Boron, dissolved	mg/l	5	--	0.05	0.04	0.05	0.05	0.04	0.04	0.03	0.03	0.05
Calcium, dissolved	mg/l	--	--	104	106	104	102	86	82	83	86	100
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	22	21	23	22	20	16	18	18	22
Potassium, dissolved	mg/l	--	--	2	1	2	2	1	1	1	1	2
Sodium, dissolved	mg/l	--	200 [3]	5	5	7	5	4	4	4	4	9
Strontium, dissolved	mg/l	--	--	0.152	0.139	0.158	0.157	0.147	0.122	0.136	0.135	0.138
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-5S 04-Jun-2013 S-22	98-5S 29-May-2014 98-5S	98-5S 28-May-2015 98-5S	98-5S 25-May-2016 S-34	98-5S 08-Jun-2017 98-5S	98-5S 01-Jun-2018 98-5S	98-5S 07-Jun-2019 98-5S	98-5S 23-May-2020 98-3S	98-5S 25-Jun-2021 98-3S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	254	292	293	322	278	272	288	278	285
Ammonia Nitrogen	mg/l	--	--	<0.02	0.03	<0.02	<0.025	0.16	0.15	<0.010	0.037	<0.010
Chemical Oxygen Demand	mg/l	--	--	10	5	10	9	8	<5	<5	15	<5
Chloride	mg/l	--	250	12	11	9	8	10	5	11	6	4
Conductivity	uS/cm	--	--	581	644	607	607	572	531	525	543	556
Conductivity (Field)	uS/cm	--	--	575	600	581	535	550	605	580	613	620
Hardness, Calcium Carbonate	mg/l	--	--	318	364	334	342	299	267	306	293	320
Nitrogen, Total Kjeldahl	mg/l	--	--	0.16	0.18	<0.8	1.20	<0.8	0.8	0.50	0.365	0.1
pH												
pH (Field)	-	--	--	7.1	7.35	6.83	7.23	7.3	7.3	7.4	7.5	8.3
Temperature (Field)	deg c	--	15	12	12.9	10.1	12	12	11	12	10	10.1
Total Dissolved Solids	mg/l	--	500	378	419	395	395	372	345	341	353	361
Total Organic Carbon	mg/l	--	--	2.4	2.8	2.4	2.3	2.4	2.1	2.5	2.2	2.2
Metals												
Boron, dissolved	mg/l	5	--	0.03	0.03	0.04	0.05	0.04	0.04	0.04	0.04	0.06
Calcium, dissolved	mg/l	--	--	91	106	96	99	85	79	88	86	92
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	22	24	23	23	21	17	21	19	22
Potassium, dissolved	mg/l	--	--	1	<1	<1	1	1	1	1	1	1
Sodium, dissolved	mg/l	--	200 [3]	5	5	4	5	4	4	4	3	5
Strontium, dissolved	mg/l	--	--	0.137	0.145	0.150	0.150	0.145	0.120	0.171	0.151	0.151
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-8M 04-Jun-2013 S-15	98-8M 30-May-2014 98-8M	98-8M 27-May-2015 98-8M	98-8M 14-Jun-2016 S-89	98-8M 09-Jun-2017 98-8M	98-8M 29-May-2018 99-8M	98-8M 06-Jun-2019 98-8M	98-8M 09-Jun-2020 98-8	98-8M 24-Jun-2021 98-8
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	418	424	399	447	448	447	455	445	457
Ammonia Nitrogen	mg/l	--	--	0.03	0.04	<0.02	<0.025	0.20	0.51	0.039	0.037	<0.010
Chemical Oxygen Demand	mg/l	--	--	23	23	19	18	20	15	14	72	13
Chloride	mg/l	--	250	29	28	25	28	35	32	31	29	32
Conductivity	uS/cm	--	--	969	966	901	959	990	957	950	994	1030
Conductivity (Field)	uS/cm	--	--	840	964	1004	660	640	630	630	939	1003
Hardness, Calcium Carbonate	mg/l	--	--	56	60	49	35	46	37	41	48	44
Nitrogen, Total Kjeldahl	mg/l	--	--	0.28	0.18	0.19	0.52	1.1	<0.8	0.30	0.615	0.313
pH												
pH (Field)	-	--	--	8.2	8.16	8.19	7.4	7.5	7.6	7.7	7.01	8.5
Temperature (Field)	deg c	--	15	13	12.4	11.9	11	11	11	12	11.6	10
Total Dissolved Solids	mg/l	--	500	630	628	586	623	644	622	618	646	670
Total Organic Carbon	mg/l	--	--	5.8	5.6	5.9	5.8	7.0	5.3	6.6	5.7	4.6
Metals												
Boron, dissolved	mg/l	5	--	1.7	1.7	1.8	1.6	1.9	1.6	1.6	1.62	2.0
Calcium, dissolved	mg/l	--	--	14	14	13	9	12	10	10	11	11
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.14
Magnesium, dissolved	mg/l	--	--	5	6	4	3	4	3	4	5	4
Potassium, dissolved	mg/l	--	--	2	2	2	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [3]	223	225	220	180	235	236	228	236	248
Strontium, dissolved	mg/l	--	--	0.305	0.334	0.235	0.270	0.246	0.232	0.200	0.199	0.199
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	0.005	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-8S 04-Jun-2013 S-16	98-8S 30-May-2014 98-8S	98-8S 27-May-2015 98-8S	98-8S 14-Jun-2016 S-91	98-8S 09-Jun-2017 98-8S	98-8S 29-May-2018 98-8S	98-8S 06-Jun-2019 98-8S	98-8S 27-May-2020 98-8S	98-8S 24-Jun-2021 98-8S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	285	357	364	203	378	380	366	474	344
Ammonia Nitrogen	mg/l	--	--	0.14	0.46	0.44	0.148	0.50	0.66	0.919	0.414	0.275
Chemical Oxygen Demand	mg/l	--	--	29	17	16	20	18	16	232	10	87
Chloride	mg/l	--	250	23	12	8	20	7	6	10	5	16
Conductivity	uS/cm	--	--	642	687	690	444	725	709	620	731	718
Conductivity (Field)	uS/cm	--	--	720	686	709	670	640	615	665	340	760
Hardness, Calcium Carbonate	mg/l	--	--	144	299	339	7	389	359	287	374	126
Nitrogen, Total Kjeldahl	mg/l	--	--	0.33	0.60	0.57	0.56	1.5	1.0	2.3	0.968	2.79
pH												
pH (Field)	-	--	--	6.9	7.07	7.12	7.7	7.8	7.8	7.6	6.85	8.9
Temperature (Field)	deg c	--	15	11	12.4	11.9	13	11	11	13	13.1	9.9
Total Dissolved Solids	mg/l	--	500	417	447	448	289	471	461	403	475	467
Total Organic Carbon	mg/l	--	--	4.0	5.6	5.3	4.0	4.6	4.1	4.4	4.3	6.4
Metals												
Boron, dissolved	mg/l	5	--	1.3	0.46	0.20	0.86	0.30	0.17	0.18	0.22	0.34
Calcium, dissolved	mg/l	--	--	41	85	96	3	113	106	82	110	34
Iron, dissolved	mg/l	--	0.3	0.77	1.71	2.51	0.03	1.73	2.97	6.54	5.00	3.68
Magnesium, dissolved	mg/l	--	--	10	21	24	<1	26	23	20	24	10
Potassium, dissolved	mg/l	--	--	2	3	3	<1	3	3	1	2	3
Sodium, dissolved	mg/l	--	200 [3]	94	48	45	90	13	25	33	14	133
Strontium, dissolved	mg/l	--	--	0.292	0.650	0.596	0.157	0.690	0.601	0.581	0.703	0.269
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-9D 03-Jun-2013 S-10	98-9D 05-Sep-2013 B-1	98-9D 30-May-2014 98-9D	98-9D 03-Sep-2014 [6] S - 10	98-9D 27-May-2015 98-9D	98-9D 16-Sep-2015 98-9D	98-9D 14-Jun-2016 S-92	98-9D 07-Sep-2016 98-9D	98-9D 09-Jun-2017 99-9D	98-9D 28-Aug-2017 98-9D	98-9D 29-May-2018 98-9D	98-9D 07-Sep-2018 98-9D	98-9D 07-Jun-2019 98-9D	98-9D 17-Sep-2019 98-9D	98-9D 26-May-2020 98-9D	98-9D 15-Sep-2020 98-9D	98-9D 25-Jun-2021 98-9D	98-9D 14-Sept-2021 98-9D
General Chemistry																						
Alkalinity (Total as CaCO3)	mg/l	--	--	401	413	436	428	433	452	466	454	460	448	468	464	485	466	525	478	425	499
Ammonia Nitrogen	mg/l	--	--	0.11	0.10	0.10	0.14	0.09	0.080	0.109	0.106	0.24	0.18	0.17	0.11	0.09	0.13	0.137	0.15	0.436	0.082
Chemical Oxygen Demand	mg/l	--	--	17	24	21	12	17	29	23	25	19	19	20	21	<5	9	19	13	<5	13
Chloride	mg/l	--	250	33	34	29	32	29	29	29	27	32	27	26	24	26	25	21	22	8	21
Conductivity	uS/cm	--	--	911	907	917	907	906	939	910	904	930	912	918	928	690	948	943	950	783	933
Conductivity (Field)	uS/cm	--	--	855	840	886	845	905	805	618	635	618	844	630	620	635	595	888	894	840	1003
Hardness, Calcium Carbonate	mg/l	--	--	58	58	79	79	97	79	56	79	359	81	81	88	79	90	93	84	373	88
Nitrogen, Total Kieldahl	mg/l	--	--	0.51	0.42	0.46	0.50	0.54	0.58	0.52	0.52	1.1	<0.8	1.5	<0.8	0.47	0.5	0.536	0.4	0.7	1.07
pH																						
pH (Field)	-	--	--	8.0	8.0	7.96	7.8	8.01	7.8	7.6	7.7	7.6	7.00	7.6	7.6	7.6	7.5	7.57	7.61	8.1	8.14
Temperature (Field)	deg c	--	15	10	9	12.8	13	12.7	12	11	12	11	11.2	11.5	12	11	10	11.2	12.1	9.8	10.7
Total Dissolved Solids	mg/l	--	500	592	590	596	590	589	610	592	588	604	593	597	603	448	616	613	618	509	606
Total Organic Carbon	mg/l	--	--	7.9	9.1	9.0	8.6	10.1	8.7	8.1	8.8	9.2	8.8	7.1	8.6	8.6	8.2	8.2	7.9	3.2	8.1
Metals																						
Boron, dissolved	mg/l	5	--	1.5	1.7	1.7	1.6	1.7	1.6	1.5	1.6	1.8	1.8	1.6	1.7	1.6	1.7	1.96	1.8	0.35	2
Calcium, dissolved	mg/l	--	--	15	15	20	20	24	20	14	20	96	21	21	22	20	23	24	22	100	22
Iron, dissolved	mg/l	--	0.3	<0.03	0.04	0.06	0.05	0.06	0.05	0.04	0.04	0.04	0.05	0.07	0.06	0.07	0.06	0.07	0.06	0.27	0.07
Magnesium, dissolved	mg/l	--	--	5	5	7	7	9	7	5	7	29	7	7	8	7	8	8	7	30	8
Potassium, dissolved	mg/l	--	--	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	4	2
Sodium, dissolved	mg/l	--	200 [3]	205	187	202	221	210	215	182	223	12	208	210	212	191	192	192	198	41	204
Strontium, dissolved	mg/l	--	--	0.550	0.618	0.850	0.611	0.791	0.551	0.632	0.709	0.618	0.621	0.653	0.785	0.812	0.819	1.08	0.791	1.25	0.874
Phenols																						
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	0.004	0.002	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.004	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-9M 03-Jun-2013 S-11	98-9M 05-Sep-2013 B-2	98-9M 30-May-2014 98-9M	98-9M 03-Sep-2014 [B] S - 11	98-9M 27-May-2015 98-9M	98-9M 16-Sep-2015 98-9M	98-9M 14-Jun-2016 S-93	98-9M 07-Sep-2016 98-9M	98-9M 09-Jun-2017 98-9M	98-9M 28-Aug-2017 98-9M	98-9M 29-May-2018 98-9M	98-9M 07-Sep-2018 98-9M	98-9M 07-Jun-2019 98-9M	98-9M 17-Sep-2019 98-9M	98-9M 26-May-2020 98-9M	98-9M 15-Sep-2020 98-9M	98-9M 25-Jun-2021 98-9M	98-9M 14-Sept-2021 98-9M
General Chemistry																						
Alkalinity (Total as CaCO3)	mg/l	--	--	399	409	403	382	388	408	410	408	438	395	402	395	425	412	473	409	431	428
Ammonia Nitrogen	mg/l	--	--	0.67	0.67	0.20	0.51	0.31	0.508	0.399	0.408	0.43	0.17	0.37	0.29	0.40	0.48	0.325	0.46	0.412	0.25
Chemical Oxygen Demand	mg/l	--	--	13	16	9	<5	11	14	15	17	13	<5	8	7	<5	10	10	9	<5	14
Chloride	mg/l	--	250	10	11	10	9	10	11	10	9	12	9	10	10	12	12	9	8	8	10
Conductivity	uS/cm	--	--	793	789	767	752	752	763	748	750	789	760	761	767	721	811	795	784	791	772
Conductivity (Field)	uS/cm	--	--	740	750	755	730	805	750	532	505	520	670	510	585	615	620	727	750	670	860
Hardness, Calcium Carbonate	mg/l	--	--	391	367	388	406	411	365	296	386	382	382	375	378	353	379	363	362	377	354
Nitrogen, Total Kieldahl	mg/l	--	--	1.00	0.89	0.46	0.70	0.53	0.73	0.78	0.57	1.2	<0.8	<0.8	<0.8	0.68	0.7	0.577	0.7	0.9	0.768
pH																						
pH (Field)	-	--	--	7.3	7.4	7.21	7.4	7.33	7.5	7.7	7.6	7.6	7.70	7.7	7.6	7.7	7.6	6.83	7.03	7.5	7.22
Temperature (Field)	deg c	--	15	11	9	10.8	13	10.9	11	12	13	12	10.8	10	12	11	11	11.2	12.9	10.2	11.2
Total Dissolved Solids	mg/l	--	500	515	513	499	489	489	496	486	488	513	494	495	499	469	527	517	510	514	502
Total Organic Carbon	mg/l	--	--	4.0	4.8	4.3	4.1	4.4	3.9	3.7	4.0	4.1	4.0	3.4	4.1	4.2	4.0	4.1	3.9	3.1	4.3
Metals																						
Boron, dissolved	mg/l	5	--	0.32	0.39	0.35	0.34	0.36	0.40	0.41	0.35	0.41	0.40	0.34	0.37	0.42	0.39	0.38	0.38	0.35	0.39
Calcium, dissolved	mg/l	--	--	107	99	106	110	110	100	79	105	105	105	104	102	95	104	99	102	100	94
Iron, dissolved	mg/l	--	0.3	0.13	0.09	<0.03	0.05	<0.03	0.08	0.10	0.05	0.09	<0.03	0.11	0.03	0.14	0.07	<0.03	0.13	0.28	<0.03
Magnesium, dissolved	mg/l	--	--	30	29	30	32	33	28	24	30	29	29	28	30	28	29	28	26	31	29
Potassium, dissolved	mg/l	--	--	4	4	4	4	4	4	3	4	4	4	4	4	4	3	4	4	4	4
Sodium, dissolved	mg/l	--	200 [3]	32	30	32	35	33	34	29	36	34	37	36	36	37	40	40	37	41	39
Strontium, dissolved	mg/l	--	--	1.32	1.35	1.36	1.26	1.18	1.06	1.28	1.28	1.25	1.30	1.26	1.22	1.34	1.30	1.42	1.31	1.26	1.28
Phenols																						
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	0.003	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-9S 03-Jun-2013 S-12	98-9S 05-Sep-2013 B-3	98-9S 30-May-2014 98-9S	98-9S 03-Sep-2014 [8] S - 12	98-9S 27-May-2015 98-9S	98-9S 16-Sep-2015 98-9S	98-9S 14-Jun-2016 S-94	98-9S 07-Sep-2016 98-9S	98-9S 09-Jun-2017 98-9S	98-9S 28-Aug-2017 98-9S	98-9S 29-May-2018 98-9S	98-9S 07-Sep-2018 98-9S	98-9S 07-Jun-2019 98-9S	98-9S 17-Sep-2019 98-9S	98-9S 26-May-2020 98-9S	98-9S 15-Sep-2020 98-9S	98-9S 25-Jun-2021 98-9S
General Chemistry																				
Alkalinity (Total as CaCO3)	mg/l	--	--	316	314	318	335	325	361	342	253	328	325	325	366	333	355	343	367	335
Ammonia Nitrogen	mg/l	--	--	1.13	1.07	1.33	1.40	1.08	1.44	1.30	1.61	0.82	1.53	0.88	1.24	1.5	1.37	1.01	1.09	1.25
Chemical Oxygen Demand	mg/l	--	--	<5	<5	<5	<5	9	11	7	13	5	<5	<5	5	<5	<5	<5	9	<5
Chloride	mg/l	--	250	8	15	7	7	6	7	6	357	7	6	5	77	7	10	5	5	3
Conductivity	uS/cm	--	--	660	666	642	673	642	694	640	1610	643	653	617	915	557	703	614	700	626
Conductivity (Field)	uS/cm	--	--	640	655	549	650	705	605	629	640	615	593	580	495	518	538	606	701	680
Hardness, Calcium Carbonate	mg/l	--	--	354	335	356	401	381	372	359	473	353	365	342	462	322	383	332	371	345
Nitrogen, Total Kjeldahl	mg/l	--	--	1.39	1.17	1.40	1.57	2.02	1.40	1.28	2.67	2.1	1.5	1.3	2.0	1.72	1.6	1.38	1.3	1.35
pH																				
pH (Field)	-	--	--	7.3	7.4	7.25	7.4	7.30	7.6	7.6	7.7	7.6	7.73	7.7	7.7	7.5	7.6	7.52	7.66	10.2
Temperature (Field)	deg c	--	15	12	10	11.7	14	11.8	12	13	14	12	10.7	11	13	11	12	10.5	13.1	8.3
Total Dissolved Solids	mg/l	--	500	429	433	417	437	417	451	416	1050	418	424	401	595	362	457	399	455	407
Total Organic Carbon	mg/l	--	--	1.7	2.2	2.3	2.3	2.6	1.9	2.0	3.1	3.2	2.1	1.6	3.1	1.9	2.4	1.8	2.3	1.7
Metals																				
Boron, dissolved	mg/l	5	--	0.05	0.05	0.06	0.06	0.06	0.07	0.08	0.14	0.06	0.06	0.05	0.16	0.05	0.07	0.06	0.09	0.07
Calcium, dissolved	mg/l	--	--	94	88	93	106	100	98	96	130	95	100	94	124	86	104	90	104	92
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	29	28	30	33	32	31	29	36	28	28	26	37	26	30	26	27	28
Potassium, dissolved	mg/l	--	--	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [3]	9	10	9	9	9	9	9	162	8	10	9	18	7	8	7	9	8
Strontium, dissolved	mg/l	--	--	0.226	0.220	0.236	0.232	0.198	0.204	0.230	0.372	0.232	0.258	0.249	0.299	0.243	0.290	0.262	0.293	0.233
Phenols																				
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-1D 11-Jun-2013 B - 27	99-1D 06-Sep-2013 S-11	99-1D 29-May-2014 99-1D	99-1D 02-Sep-2014 B-1	99-1D 02-Jun-2015 99-1d	99-1D 16-Sep-2015 99-1D	99-1D 26-May-2016 S-59	99-1D 07-Sep-2016 99-1D	99-1D 07-Jun-2017 99-1D	99-1D 29-Aug-2017 99-1D	99-1D 06-Jun-2018 99-1D	99-1D 12-Sep-2018 99-1D	99-1D 13-Jun-2019 99-1D	99-1D 17-Sep-2019 99-1D	99-1D 11-Jun-2020 99-1D	99-1D 17-Sep-2020 99-1D	99-1D 23-Jun-2021 99-1D	99-1D 14-Sept-2021 99-1D
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	271	--	282	--	277	--	286	--	278	--	269	--	280	--	293	--	271	--
Ammonia Nitrogen	mg/l	--	--	0.18	--	0.05	--	<0.05	--	0.139	--	0.17	--	0.08	--	0.063	--	0.029	--	0.012	--
Chemical Oxygen Demand	mg/l	--	--	<5	--	<5	--	20	--	8	--	<5	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	60	--	60	--	62	--	57	--	56	--	52	--	52	--	43	--	48	--
Conductivity	uS/cm	--	--	894	--	896	--	894	--	867	--	855	--	830	--	846	--	825	--	797	--
Conductivity (Field)	uS/cm	--	--	852	850	804	840	810	815	815	790	696	645	770	750	735	705	811	844	788	840
Hardness, Calcium Carbonate	mg/l	--	--	395	--	425	--	414	--	405	--	415	--	385	--	376	--	360	--	376	--
Nitrogen, Total Kjeldahl	mg/l	--	--	0.45	--	<0.10	--	0.10	--	0.14	--	<0.8	--	<0.8	--	<0.15	--	0.651	--	<0.100	--
pH (Field)	-	--	--	7.4	7.6	7.47	7.6	7.7	7.8	7.6	7.7	7.07	8.04	7.8	7.4	7.6	7.7	7.18	7.28	7.9	7.64
Temperature (Field)	deg c	--	15	12	10	11.9	14	13	12	12	13	17.0	11.1	10	11	11	10	12.7	13.6	10.6	10.4
Total Dissolved Solids	mg/l	--	500	581	--	582	--	581	--	564	--	556	--	540	--	550	--	536	--	518	--
Total Organic Carbon	mg/l	--	--	1.2	--	1.2	--	1.2	--	0.6	--	2.0	--	<0.5	--	1.1	--	1.0	--	0.8	--
Metals																					
Boron, dissolved	mg/l	5	--	0.08	--	0.10	--	0.09	--	0.09	--	0.09	--	0.08	--	0.09	--	0.08	--	0.08	--
Calcium, dissolved	mg/l	--	--	99	--	109	--	103	--	101	--	105	--	95	--	96	--	88	--	93	--
Iron, dissolved	mg/l	--	0.3	0.44	--	0.11	--	0.32	--	0.41	--	0.12	--	0.40	--	0.34	--	<0.03	--	0.31	--
Magnesium, dissolved	mg/l	--	--	36	--	37	--	38	--	37	--	37	--	36	--	33	--	34	--	35	--
Potassium, dissolved	mg/l	--	--	2	--	2	--	2	--	3	--	2	--	2	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	35	--	37	--	36	--	37	--	36	--	33	--	33	--	33	--	37	--
Strontium, dissolved	mg/l	--	--	0.965	--	1.10	--	1.14	--	1.00	--	1.14	--	1.08	--	1.08	--	1.01	--	1.12	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.002	--	<0.001		<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-1M 11-Jun-2013 B - 28	99-1M 06-Sep-2013 S-12	99-1M 29-May-2014 99-1M	99-1M 02-Sep-2014 B-2	99-1M 02-Jun-2015 99-1m	99-1M 16-Sep-2015 99-1M	99-1M 26-May-2016 S-60	99-1M 07-Sep-2016 99-1M	99-1M 07-Jun-2017 99-1M	99-1M 29-Aug-2017 99-1M	99-1M 06-Jun-2018 99-1M	99-1M 12-Sep-2018 99-1M	99-1M 13-Jun-2019 99-1M	99-1M 17-Sep-2019 99-1M	99-1M 09-Jun-2020 99-1M	99-1M 17-Sep-2020 99-1M	99-1M 23-Jun-2021 99-1M	99-1M 14-Sept-2021 99-1M
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	220	--	226	--	244	--	246	--	209	--	235	--	213	--	229	--	216	--
Ammonia Nitrogen	mg/l	--	--	0.17	--	<0.02	--	<0.05	--	<0.025	--	0.05	--	0.07	--	<0.010	--	<0.010	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	<5	--	<5	--	19	--	8	--	<5	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	59	--	24	--	41	--	38	--	38	--	56	--	51	--	64	--	51	--
Conductivity	uS/cm	--	--	760	--	596	--	698	--	655	--	586	--	675	--	624	--	697	--	728	--
Conductivity (Field)	uS/cm	--	--	711	700	581	725	705	760	682	675	481	762	720	705	705	680	655	672	780	820
Hardness, Calcium Carbonate	mg/l	--	--	316	--	290	--	318	--	308	--	278	--	300	--	266	--	300	--	357	--
Nitrogen, Total Kjeldahl	mg/l	--	--	0.14	--	<0.10	--	0.29	--	0.64	--	<0.8	--	<0.8	--	0.31	--	0.271	--	<0.100	--
pH (Field)	-	--	--	7.3	7.3	7.31	7.4	7.5	7.5	7.5	7.6	7.65	8.01	7.6	7.4	7.5	7.5	6.65	6.88	7.4	7.29
Temperature (Field)	deg c	--	15	12	10	11.9	14	12	11	12	14	11.2	11.5	11.0	12	11	12	14.8	14	10.0	10.3
Total Dissolved Solids	mg/l	--	500	494	--	387	--	454	--	426	--	381	--	439	--	406	--	453	--	473	--
Total Organic Carbon	mg/l	--	--	1.3	--	1.1	--	1.6	--	0.7	--	1.5	--	0.9	--	1.0	--	1.3	--	1.2	--
Metals																					
Boron, dissolved	mg/l	5	--	0.03	--	0.03	--	0.04	--	0.03	--	0.03	--	0.03	--	0.02	--	0.03	--	0.03	--
Calcium, dissolved	mg/l	--	--	92	--	85	--	91	--	87	--	80	--	84	--	77	--	84	--	100	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	0.13	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	21	--	19	--	22	--	22	--	19	--	22	--	18	--	22	--	26	--
Potassium, dissolved	mg/l	--	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	34	--	22	--	30	--	25	--	23	--	30	--	19	--	30	--	25	--
Strontium, dissolved	mg/l	--	--	0.091	--	0.077	--	0.096	--	0.084	--	0.082	--	0.094	--	0.094	--	0.098	--	0.098	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.002	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-1S 11-Jun-2013 B - 29	99-1S 06-Sep-2013 S-13	99-1S 29-May-2014 99-1S	99-1S 02-Sep-2014 B-3	99-1S 02-Jun-2015 99-1S	99-1S 16-Sep-2015 99-1S	99-1S 26-May-2016 S-81	99-1S 07-Sep-2016 99-1S	99-1S 07-Jun-2017 99-1S	99-1S 29-Aug-2017 99-1S	99-1S 06-Jun-2018 99-1S	99-1S 12-Sep-2018 99-1S	99-1S 13-Jun-2019 99-1S	99-1S 17-Sep-2019 99-1S	99-1S 09-Jun-2020 99-1S	99-1S 17-Sep-2020 99-1S	99-1S 23-Jun-2021 99-1S	99-1S 14-Sept-2021 99-1S
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	207	--	220	--	226	--	236	--	213	--	216	--	229	--	217	--	219	--
Ammonia Nitrogen	mg/l	--	--	0.04	--	0.03	--	<0.05	--	<0.025	--	0.11	--	0.05	--	<0.010	--	<0.010	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	<5	--	<5	--	20	--	8	--	<5	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	23	--	10	--	21	--	24	--	14	--	22	--	20	--	53	--	52	--
Conductivity	uS/cm	--	--	758	--	568	--	656	--	614	--	558	--	618	--	553	--	664	--	664	--
Conductivity (Field)	uS/cm	--	--	653	648	555	620	630	615	620	635	417	607	590	570	564	575	598	664	720	870
Hardness, Calcium Carbonate	mg/l	--	--	374	--	309	--	328	--	310	--	302	--	316	--	273	--	307	--	314	--
Nitrogen, Total Kjeldahl	mg/l	--	--	0.22	--	<0.10	--	0.14	--	0.38	--	<0.8	--	<0.8	--	0.24	--	0.362	--	<0.100	--
pH (Field)	-	--	--	7.2	7.2	7.28	7.3	7.3	7.4	7.4	7.5	7.5	8.02	7.4	7.4	7.4	7.5	6.80	6.84	7.6	7.24
Temperature (Field)	deg c	--	15	13	10	11.2	13	13	11	13	15	11.2	12.1	12	13	12	12	15.2	13.2	10.9	11.1
Total Dissolved Solids	mg/l	--	500	493	--	369	--	426	--	399	--	363	--	402	--	359	--	432	--	432	--
Total Organic Carbon	mg/l	--	--	2.2	--	1.4	--	1.4	--	1.1	--	1.4	--	1.0	--	1.5	--	1.6	--	1.1	--
Metals																					
Boron, dissolved	mg/l	5	--	0.04	--	0.03	--	0.04	--	0.04	--	0.02	--	0.03	--	0.03	--	0.03	--	0.02	--
Calcium, dissolved	mg/l	--	--	110	--	89	--	95	--	88	--	88	--	92	--	78	--	85	--	86	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	24	--	21	--	22	--	22	--	20	--	21	--	19	--	23	--	24	--
Potassium, dissolved	mg/l	--	--	3	--	2	--	2	--	2	--	2	--	3	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	15	--	9	--	14	--	13	--	9	--	12	--	9	--	21	--	26	--
Strontium, dissolved	mg/l	--	--	0.096	--	0.069	--	0.085	--	0.077	--	0.064	--	0.078	--	0.085	--	0.080	--	0.096	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.002	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-2D 11-Jun-2013 B - 24	99-2D 17-Jun-2014 99-2D	99-2D 11-Jun-2015 99-2D	99-2D 14-Jun-2016 S-83	99-2D 15-Jun-2017 99-2S	99-2D 05-Jun-2018 99-2S	99-2D 13-Jun-2019 [11] 99-2D	99-2D 28-May-2020 99-2D	99-2D 25-Jun-2021 99-2D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	124	142	121	165	181	203	142	395	353
Ammonia Nitrogen	mg/l	--	--	0.59	0.64	1.40	0.593	1.02	1.17	1.09	1.76	1.8
Chemical Oxygen Demand	mg/l	--	--	62	94	102	91	254	66	66	20	14
Chloride	mg/l	--	250	14	18	14	20	24	5	19	65	62
Conductivity	uS/cm	--	--	291	327	279	345	409	446	303	978	898
Conductivity (Field)	uS/cm	--	--	841	335	390	405	840	830	769	815	1008
Hardness, Calcium Carbonate	mg/l	--	--	132	166	138	152	192	213	131	436	425
Nitrogen, Total Kjeldahl	mg/l	--	--	1.11	0.85	1.87	1.85	5.4	3.2	2.46	2.11	2.09
pH (Field)	-	--	--	7.2	6.75	6.9	6.9	7.2	7.1	7.5	6.67	7.8
Temperature (Field)	deg c	--	15	13	12.9	12	10	13	11	11	11.3	8.7
Total Dissolved Solids	mg/l	--	500	189	213	181	224	266	290	197	636	584
Total Organic Carbon	mg/l	--	--	23.6	22.6	28.0	32.0	59.0	31.4	24.0	6.6	5.8
Metals												
Boron, dissolved	mg/l	5	--	0.07	0.05	0.05	0.06	0.10	0.09	0.08	0.35	0.26
Calcium, dissolved	mg/l	--	--	43	55	47	51	62	69	41	122	114
Iron, dissolved	mg/l	--	0.3	1.30	2.55	2.07	2.33	2.40	3.71	3.54	2.79	4.88
Magnesium, dissolved	mg/l	--	--	6	7	5	6	9	10	7	32	34
Potassium, dissolved	mg/l	--	--	1	2	1	2	2	2	1	5	5
Sodium, dissolved	mg/l	--	200 [3]	8	9	7	10	11	14	9	34	39
Strontium, dissolved	mg/l	--	--	0.074	0.076	0.068	0.073	0.134	0.133	0.121	1.69	1.1
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-2S 11-Jun-2013 B - 23	99-2S 17-Jun-2014 99-2S	99-2S 11-Jun-2015 99-2S	99-2S 14-Jun-2016 S-85	99-2S 15-Jun-2017 99-2D	99-2S 05-Jun-2018 99-2D	99-2S 13-Jun-2019 99-2S	99-2S 28-May-2020 99-2S	99-2S 25-Jun-2021 99-2S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	357	374	353	379	367	352	360	209	319
Ammonia Nitrogen	mg/l	--	--	1.97	1.86	1.79	1.83	1.35	1.51	1.9	0.960	2.26
Chemical Oxygen Demand	mg/l	--	--	11	16	31	21	26	18	13	120	40
Chloride	mg/l	--	250	62	65	63	65	65	12	66	24	39
Conductivity	uS/cm	--	--	957	967	974	960	934	898	952	422	687
Conductivity (Field)	uS/cm	--	--	382	946	820	890	610	645	695	388	980
Hardness, Calcium Carbonate	mg/l	--	--	429	474	469	418	441	429	423	194	325
Nitrogen, Total Kjeldahl	mg/l	--	--	2.29	1.94	1.93	38.9	3.3	2.8	2.24	1.74	2.69
pH (Field)	-	--	--	6.7	7.44	7.3	7.0	6.9	6.9	7.5	6.15	7.2
Temperature (Field)	deg c	--	15	11	12.2	11	14	12	10.0	12	10.8	9.5
Total Dissolved Solids	mg/l	--	500	622	629	633	624	607	584	619	274	447
Total Organic Carbon	mg/l	--	--	7.7	7.5	6.4	6.5	7.5	7.2	6.3	28.5	10.7
Metals												
Boron, dissolved	mg/l	5	--	0.38	0.34	0.34	0.40	0.34	0.27	0.32	0.10	0.21
Calcium, dissolved	mg/l	--	--	114	127	127	108	119	114	115	63	99
Iron, dissolved	mg/l	--	0.3	3.98	5.28	4.93	4.26	3.89	3.91	4.56	2.75	5.53
Magnesium, dissolved	mg/l	--	--	35	38	37	36	35	35	33	9	19
Potassium, dissolved	mg/l	--	--	5	5	5	5	5	4	4	2	4
Sodium, dissolved	mg/l	--	200 [3]	35	40	35	39	35	37	34	13	26
Strontium, dissolved	mg/l	--	--	1.59	1.63	1.61	1.71	1.67	1.43	1.54	0.171	0.3
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	0.004	<0.001	<0.001	0.005	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-3D 03-Jun-2013 S-2	99-3D 06-Sep-2013 S-4	99-3D 17-Jun-2014 99-3D	99-3D 03-Sep-2014 S -16	99-3D 27-May-2015 99-3D	99-3D 16-Sep-2015 99-3D	99-3D 14-Jun-2016 S-82	99-3D 07-Sep-2016 99-3D	99-3D 09-Jun-2017 99-3D	99-3D 29-Aug-2017 99-3D	99-3D 29-May-2018 99-3A	99-3D 07-Sep-2018 99-3D	99-3D 06-Jun-2019 99-3D	99-3D 17-Sep-2019 99-3D	99-3D 26-May-2020 99-3D	99-3D 15-Sep-2020 99-3D	99-3D 25-Jun-2021 99-3D	99-3D 14-Sept-2021 99-3D
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	171	--	177	--	178	--	198	--	194	--	176	--	182	--	191	--	179	--
Ammonia Nitrogen	mg/l	--	--	0.05	--	0.08	--	0.03	--	<0.025	--	0.19	--	0.11	--	0.03	--	0.042	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	7	--	8	--	8	--	12	--	5	--	<5	--	<5	--	6	--	<5	--
Chloride	mg/l	--	250	3	--	3	--	4	--	4	--	4	--	3	--	6	--	4	--	4	--
Conductivity	uS/cm	--	--	558	--	550	--	559	--	545	--	561	--	540	--	524	--	558	--	554	--
Conductivity (Field)	uS/cm	--	--	510	510	553	560	669	570	580	560	550	525	515	505	504	520	569	579	590	980
Hardness, Calcium Carbonate	mg/l	--	--	40	--	42	--	45	--	37	--	321	--	40	--	37	--	42	--	40	--
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	--	0.11	--	<0.10	--	0.13	--	<0.8	--	0.9	--	<0.15	--	0.457	--	0.1	--
pH (Field)	-	--	--	8.1	8.0	8.99	8.0	7.41	7.8	8.2	8.0	7.8	7.77	7.7	7.5	7.6	7.5	6.82	6.88	7.8	8.38
Temperature (Field)	deg c	--	15	12	9	18.5	14	11.9	13	12	13	11	11.1	10.5	11	10	10	14.3	12.9	11.5	14.4
Total Dissolved Solids	mg/l	--	500	363	--	358	--	363	--	354	--	365	--	351	--	341	--	363	--	360	--
Total Organic Carbon	mg/l	--	--	1.6	--	1.9	--	1.9	--	1.4	--	1.9	--	1.6	--	1.7	--	1.9	--	1.3	--
Metals																					
Boron, dissolved	mg/l	5	--	0.40	--	0.45	--	0.42	--	0.52	--	0.53	--	0.42	--	0.46	--	0.46	--	0.41	--
Calcium, dissolved	mg/l	--	--	11	--	12	--	13	--	10	--	89	--	11	--	10	--	12	--	11	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	0.03	--
Magnesium, dissolved	mg/l	--	--	3	--	3	--	3	--	3	--	24	--	3	--	3	--	3	--	3	--
Potassium, dissolved	mg/l	--	--	2	--	2	--	2	--	2	--	3	--	2	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	117	--	118	--	123	--	120	--	8	--	117	--	108	--	106	--	122	--
Strontium, dissolved	mg/l	--	--	0.212	--	0.201	--	0.187	--	0.182	--	0.198	--	0.212	--	0.193	--	0.397	--	0.19	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.001	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-2D 06-Jun-2013 S-56	90-2D 18-Jun-2014 90-2D	90-2D 11-Jun-2015 90-2D	90-2D 14-Jun-2016 S-95	90-2D 14-Jun-2017 90-2D	90-2D 14-Jun-2018 90-2D	90-2D 18-Jun-2019 90-2D	90-2D 28-May-2020 90-2D	90-2D 23-Jun-2021 90-2D	90-2D 14-Sept-2021 90-2D
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	282	281	303	303	241	288	270	312	--	314
Ammonia Nitrogen	mg/l	--	--	0.11	0.04	<0.05	0.041	0.21	<0.02	0.017	0.036	--	0.068
Chemical Oxygen Demand	mg/l	--	--	9	<5	13	14	65	10	12	9	--	7
Chloride	mg/l	--	250	8	8	11	9	6	8	11	7	--	15
Conductivity	uS/cm	--	--	597	578	636	581	503	557	555	566	--	615
Conductivity (Field)	uS/cm	--	--	636	588	570	615	640	660	697	513	--	690
Hardness, Calcium Carbonate	mg/l	--	--	329	329	361	335	277	310	311	302	--	325
Nitrogen, Total Kjeldahl	mg/l	--	--	0.12	0.18	0.17	0.36	3.1	<0.8	0.22	0.346	--	1.04
pH													
pH (Field)	-	--	--	7.1	7.35	7.2	7.3	7.3	7.2	7.2	6.73	--	7.35
Temperature (Field)	deg c	--	15	11	15.7	10	13	12	13	14	14.9	--	12
Total Dissolved Solids	mg/l	--	500	388	376	413	378	327	362	361	368	--	400
Total Organic Carbon	mg/l	--	--	2.9	3.3	3.5	5.4	10.8	4.3	3.5	2.9	--	4.3
Metals													
Boron, dissolved	mg/l	5	--	0.10	0.13	0.18	0.06	0.04	0.16	0.12	0.12	--	0.17
Calcium, dissolved	mg/l	--	--	97	97	105	106	86	91	95	93	--	94
Iron, dissolved	mg/l	--	0.3	0.79	0.77	0.86	0.41	1.08	0.95	0.79	0.82	--	1.98
Magnesium, dissolved	mg/l	--	--	21	21	24	17	15	20	18	17	--	22
Potassium, dissolved	mg/l	--	--	2	2	2	3	2	2	2	2	--	3
Sodium, dissolved	mg/l	--	200 [3]	8	7	8	5	4	7	6	6	--	8
Strontium, dissolved	mg/l	--	--	1.27	1.41	1.47	0.203	0.187	1.24	1.36	1.30	--	1.44
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-3D 05-Jun-2013 S-33	90-3D 18-Jun-2014 90-3D	90-3D 03-Jun-2015 90-3d	90-3D 14-Jun-2016 S-97	90-3D 14-Jun-2017 90-3D	90-3D 14-Jun-2018 90-3D	90-3D 18-Jun-2019 90-3D	90-3D 28-May-2020 90-3D	90-3D 25-Jun-2021 90-3D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	400	423	424	440	463	449	433	425	462
Ammonia Nitrogen	mg/l	--	--	0.16	0.15	0.32	0.096	1.83	0.98	0.255	0.188	<0.010
Chemical Oxygen Demand	mg/l	--	--	18	15	35	16	48	26	<5	12	8
Chloride	mg/l	--	250	93	93	97	95	101	100	95	74	78
Conductivity	uS/cm	--	--	1070	1090	1090	1090	1120	1070	1090	963	1020
Conductivity (Field)	uS/cm	--	--	885	1104	1060	1205	990	655	835	912	660
Hardness, Calcium Carbonate	mg/l	--	--	516	551	531	537	536	516	525	431	530
Nitrogen, Total Kjeldahl	mg/l	--	--	0.43	0.42	0.69	0.63	3.8	1.4	0.61	0.759	0.930
pH												
pH (Field)	-	--	--	6.9	7.29	7.4	7.4	7.3	7.3	7.3	7.18	7.8
Temperature (Field)	deg c	--	15	13	14.0	12	11	13	12	13	18.2	12,8
Total Dissolved Solids	mg/l	--	500	696	708	708	708	728	696	708	626	663
Total Organic Carbon	mg/l	--	--	5.2	6.1	6.3	5.0	18.3	8.2	5.4	4.9	3.3
Metals												
Boron, dissolved	mg/l	5	--	0.12	0.13	0.15	0.16	0.16	0.17	0.15	0.18	0.09
Calcium, dissolved	mg/l	--	--	124	135	127	131	129	126	131	110	125
Iron, dissolved	mg/l	--	0.3	4.03	4.01	4.01	2.01	2.36	3.50	3.24	1.92	1.08
Magnesium, dissolved	mg/l	--	--	50	52	52	51	52	49	48	38	53
Potassium, dissolved	mg/l	--	--	4	4	3	4	4	5	4	3	2
Sodium, dissolved	mg/l	--	200 [3]	32	35	35	36	41	42	36	36	34
Strontium, dissolved	mg/l	--	--	4.73	4.82	5.14	5.05	5.06	3.97	5.15	5.30	2.11
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	0.001	<0.002	<0.001	0.082	<0.001	<0.001	0.003	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-2D 05-Jun-2013 S-29	91-2D 17-Jun-2014 91-2D	91-2D 02-Jun-2015 91-2d	91-2D 24-May-2016 S-29	91-2D 06-Jun-2017 91-2D	91-2D 29-May-2018 91-2D	91-2D 05-Jun-2019 91-2D	91-2D 22-May-2020 91-2D	91-2D 25-Jun-2021 91-2D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	544	490	480	490	397	436	447	420	438
Ammonia Nitrogen	mg/l	--	--	1.58	0.89	0.51	0.437	0.52	0.51	0.474	0.564	0.474
Chemical Oxygen Demand	mg/l	--	--	33	21	37	21	12	14	9	14	<5
Chloride	mg/l	--	250	111	94	99	93	57	81	79	65	83
Conductivity	uS/cm	--	--	1370	1180	1220	1150	897	1020	895	980	1040
Conductivity (Field)	uS/cm	--	--	1250	1151	1125	1120	1064	1145	1110	1140	1220
Hardness, Calcium Carbonate	mg/l	--	--	574	542	548	536	429	467	464	429	479
Nitrogen, Total Kjeldahl	mg/l	--	--	2.08	1.29	0.81	0.85	1.1	0.9	0.94	0.995	0.799
pH	-	--	--	--	--	--	--	--	--	8.32	--	--
pH (Field)	-	--	--	7.3	7.47	7.4	7.4	7.5	7.3	7.3	7.4	7.9
Temperature (Field)	deg c	--	15	12	13.9	12	12	10	10	11	9	10.0
Total Dissolved Solids	mg/l	--	500	890	767	793	748	583	663	582	637	676
Total Organic Carbon	mg/l	--	--	9.0	8.2	8.2	6.9	4.4	4.3	5.8	4.8	4.5
Metals												
Boron, dissolved	mg/l	5	--	0.39	0.37	0.44	0.48	0.34	0.39	0.38	0.37	0.34
Calcium, dissolved	mg/l	--	--	139	128	124	124	106	116	115	106	111
Iron, dissolved	mg/l	--	0.3	2.04	1.56	1.41	1.29	1.63	1.70	1.66	1.59	1.25
Magnesium, dissolved	mg/l	--	--	55	54	58	55	40	43	43	40	49
Potassium, dissolved	mg/l	--	--	8	6	6	6	5	5	5	5	6
Sodium, dissolved	mg/l	--	200 [3]	83	63	54	53	37	48	46	40	52
Strontium, dissolved	mg/l	--	--	6.87	7.49	8.51	8.16	4.82	5.18	4.77	5.69	5.29
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	0.003	<0.001	<0.001	0.003	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-2M 05-Jun-2013 [6] S-30	91-2M 17-Jun-2014 91-2M	91-2M 03-Jun-2015 91-2m	91-2M 24-May-2016 S-28	91-2M 06-Jun-2017 91-2M	91-2M 29-May-2018 91-2M	91-2M 05-Jun-2019 91-2M	91-2M 22-May-2020 91-2M	91-2M 25-Jun-2021 91-2M
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	464	311	447	487	283	347	267	371	345
Ammonia Nitrogen	mg/l	--	--	0.54	0.10	0.54	103	0.13	0.21	<0.010	0.063	<0.010
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	1	<1	<4	9	<1	1	<1	4	<1
Bromide	mg/l	--	--	1.53	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.25
Chemical Oxygen Demand	mg/l	--	--	37	<5	17	18	10	9	<5	6	<5
Chloride	mg/l	--	250	89	15	72	75	16	34	<1	51	60
Conductivity	uS/cm	--	--	1140	634	1060	1060	576	706	415	842	912
Conductivity (Field)	uS/cm	--	--	3210	629	690	660	775	730	695	680	422
Cyanide	mg/l	0.2	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	0.62	0.19	0.47	0.43	0.24	0.34	0.12	<0.10	0.54
Hardness, Calcium Carbonate	mg/l	--	--	512	332	483	498	306	343	261	384	289
Nitrate as N	mg/l	10.0	--	<0.10	0.97	0.13	<0.10	0.39	<0.10	1.32	<0.10	0.43
Nitrite as N	mg/l	1.0	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	0.87	0.25	0.81	122	<0.8	<0.8	0.29	1.00	0.240
pH	-	--	--	--	--	--	--	--	--	8.34	--	--
pH (Field)	-	--	--	7.1	7.31	7.3	7.3	7.5	7.2	7.3	7.4	8.6
Phosphorus (dissolved reactive)	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.0030	<0.010	0.011
Sulphate	mg/l	--	500 [4]	30	11	27	27	12	16	6	20	77
Temperature (Field)	deg c	--	15	12	15.0	11	12	11	11	10	9	10.9
Total Dissolved Solids	mg/l	--	500	741	412	689	689	374	459	270	547	593
Total Organic Carbon	mg/l	--	--	7.0	2.9	5.6	6.0	3.1	2.6	1.2	3.4	1.8
Metals												
Aluminum, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic, dissolved	mg/l	0.01	--	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium, dissolved	mg/l	1	--	0.20	0.14	0.25	0.26	0.13	0.15	0.08	0.19	0.06
Beryllium, dissolved	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	0.35	0.10	0.36	0.34	0.13	0.17	0.01	0.24	0.09
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	116	90	121	127	83	93	73	101	63
Chromium, dissolved	mg/l	0.05	--	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt, dissolved	mg/l	--	--	0.0027	0.0003	0.0024	0.0015	0.0002	0.0003	<0.0002	0.0004	0.0004
Copper, dissolved	mg/l	--	1	<0.001	0.001	0.002	0.001	<0.001	<0.001	<0.001	0.001	0.004
Iron, dissolved	mg/l	--	0.3	1.17	<0.03	0.05	<0.03	<0.03	<0.03	0.04	<0.03	<0.03
Lead, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	54	26	44	44	24	27	19	32	32
Manganese, dissolved	mg/l	--	0.05	0.38	0.03	0.55	0.53	<0.01	<0.01	<0.01	<0.01	<0.01
Molybdenum, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	0.007	<0.005	0.006	0.006	<0.005	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	6	4	5	5	4	4	4	4	4
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [3]	54	14	48	52	12	21	3	29	116
Strontium, dissolved	mg/l	--	--	7.86	1.12	4.15	4.61	1.55	1.89	0.265	2.59	2.31
Thallium, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	<0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	0.001	<0.001	<0.001	<0.001	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-2S 05-Jun-2013 S-32	91-2S 18-Jun-2014 91-2S	91-2S 03-Jun-2015 91-2s	91-2S 24-May-2016 S-27	91-2S 06-Jun-2017 91-2S	91-2S 29-May-2018 91-2S	91-2S 05-Jun-2019 91-2S	91-2S 22-May-2020 91-2S	91-2S 25-Jun-2021 91-2S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	442	435	403	397	383	330	341	313	478
Ammonia Nitrogen	mg/l	--	--	<0.02	0.02	<0.05	<0.025	0.06	0.08	0.016	<0.010	0.754
Chemical Oxygen Demand	mg/l	--	--	14	10	23	9	14	6	6	6	<5
Chloride	mg/l	--	250	100	86	89	76	77	51	59	47	99
Conductivity	uS/cm	--	--	1250	1170	1160	1040	1040	734	800	808	1140
Conductivity (Field)	uS/cm	--	--	1200	776	720	808	684	710	688	702	580
Hardness, Calcium Carbonate	mg/l	--	--	440	429	389	367	363	311	296	259	511
Nitrogen, Total Kjeldahl	mg/l	--	--	0.20	0.21	0.25	0.36	<0.8	<0.8	0.28	0.295	1.24
pH	-	--	--	--	--	--	--	--	--	8.63	--	--
pH (Field)	-	--	--	7.5	7.46	7.2	7.5	7.6	7.2	7.3	7.4	7.3
Temperature (Field)	deg c	--	15	12	12.6	12	13	11	11	10	9	10.8
Total Dissolved Solids	mg/l	--	500	812	760	754	676	676	477	520	525	741
Total Organic Carbon	mg/l	--	--	2.8	3.3	3.3	2.4	3.9	2.2	1.3	2.3	5.9
Metals												
Boron, dissolved	mg/l	5	--	0.12	0.11	0.15	0.13	0.12	0.09	0.09	0.08	0.33
Calcium, dissolved	mg/l	--	--	97	96	80	81	81	75	69	61	127
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	48	46	46	40	39	30	30	26	47
Potassium, dissolved	mg/l	--	--	5	5	5	4	4	4	4	4	6
Sodium, dissolved	mg/l	--	200 [3]	115	112	112	101	105	70	84	73	66
Strontium, dissolved	mg/l	--	--	4.64	2.31	4.37	4.13	3.64	2.34	2.39	2.09	3.93
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	0.002	<0.001	<0.001	<0.001	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-3M 06-Jun-2013 [7] S-48	91-3M 30-May-2014 91-3M	91-3M 28-May-2015 91-3M	91-3M 26-May-2016 S-57	91-3M 09-Jun-2017 91-3M	91-3M 05-Jun-2018 91-3M	91-3M 10-Jun-2019 91-3M	91-3M 23-May-2020 91-3M	91-3M 25-Jun-2021 91-3M
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	412	321	315	468	503	512	495	512	462
Ammonia Nitrogen	mg/l	--	--	0.90	0.13	0.07	1.27	1.98	2.28	2.59	2.61	2.80
Chemical Oxygen Demand	mg/l	--	--	20	<5	<5	19	7	17	<5	21	8
Chloride	mg/l	--	250	70	19	19	73	99	19	97	94	78
Conductivity	uS/cm	--	--	1010	662	673	1060	1210	1230	1050	1210	1020
Conductivity (Field)	uS/cm	--	--	920	660	671	695	680	670	705	725	1240
Hardness, Calcium Carbonate	mg/l	--	--	463	349	352	457	510	520	504	471	490
Nitrogen, Total Kjeldahl	mg/l	--	--	0.82	0.28	<0.8	1.76	3.8	3.2	3.15	3.13	3.07
pH												
pH (Field)	-	--	--	7.2	7.21	7.07	7.5	7.4	7.5	7.4	7.4	7.4
Temperature (Field)	deg c	--	15	12	11.0	11.3	12	12	11	11	10	10.9
Total Dissolved Solids	mg/l	--	500	656	430	437	689	786	800	682	786	767
Total Organic Carbon	mg/l	--	--	4.5	2.8	2.7	5.8	8.1	8.8	9.3	7.5	6.2
Metals												
Boron, dissolved	mg/l	5	--	0.18	0.09	0.07	0.28	0.40	0.33	0.40	0.34	0.30
Calcium, dissolved	mg/l	--	--	121	92	93	117	130	129	131	121	122
Iron, dissolved	mg/l	--	0.3	0.76	0.30	0.16	2.22	2.53	2.74	3.34	3.24	3.49
Magnesium, dissolved	mg/l	--	--	39	29	29	40	45	48	43	41	45
Potassium, dissolved	mg/l	--	--	9	6	6	6	6	6	6	6	6
Sodium, dissolved	mg/l	--	200 [3]	46	15	13	57	72	85	69	70	79
Strontium, dissolved	mg/l	--	--	2.69	2.18	1.75	3.64	5.18	5.47	5.91	5.66	4.35
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.007	<0.001	<0.001	<0.010	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-3S 06-Jun-2013 S-49	91-3S 30-May-2014 91-3S	91-3S 28-May-2015 91-3S	91-3S 26-May-2016 S-58	91-3S 09-Jun-2017 91-3S	91-3S 05-Jun-2018 91-3S	91-3S 10-Jun-2019 91-3S	91-3S 23-May-2020 91-3S	91-3S 25-Jun-2021 91-3S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	478	462	363	521	321	363	323	340	382
Ammonia Nitrogen	mg/l	--	--	1.81	1.49	0.02	1.71	0.27	0.13	<0.010	0.041	0.767
Chemical Oxygen Demand	mg/l	--	--	32	18	5	24	<5	<5	<5	10	<5
Chloride	mg/l	--	250	86	74	16	88	17	3	15	13	58
Conductivity	uS/cm	--	--	1190	1100	766	1180	689	717	580	683	890
Conductivity (Field)	uS/cm	--	--	818	1037	763	908	870	845	819	815	1288
Hardness, Calcium Carbonate	mg/l	--	--	503	496	406	493	347	366	360	333	405
Nitrogen, Total Kjeldahl	mg/l	--	--	2.04	1.83	<0.8	2.08	1.3	<0.8	0.69	0.395	1.33
pH												
pH (Field)	-	--	--	7.4	7.11	7.20	7.6	7.6	7.7	7.6	7.5	7.4
Temperature (Field)	deg c	--	15	14	11.2	10.8	13	12	11	10	9	11.1
Total Dissolved Solids	mg/l	--	500	774	715	498	767	448	466	377	444	578
Total Organic Carbon	mg/l	--	--	6.7	6.3	2.3	6.9	5.2	2.3	3.1	2.0	3.2
Metals												
Boron, dissolved	mg/l	5	--	0.30	0.27	0.05	0.35	0.07	0.06	0.06	0.05	0.18
Calcium, dissolved	mg/l	--	--	129	126	105	125	91	94	98	89	103
Iron, dissolved	mg/l	--	0.3	<0.03	0.07	0.68	0.05	<0.03	0.03	0.03	<0.03	0.05
Magnesium, dissolved	mg/l	--	--	44	44	35	44	29	32	28	27	36
Potassium, dissolved	mg/l	--	--	5	7	10	6	9	9	8	8	6
Sodium, dissolved	mg/l	--	200 [3]	73	61	14	72	16	20	10	16	45
Strontium, dissolved	mg/l	--	--	4.99	4.47	1.05	4.31	1.71	1.31	1.02	1.16	2.5
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-3D 06-Jun-2013 S-47	91-3D 30-May-2014 91-3D	91-3D 28-May-2015 91-3D	91-3D 26-May-2016 S-56	91-3D 09-Jun-2017 91-3D	91-3D 05-Jun-2018 91-3	91-3D 10-Jun-2019 91-3D	91-3D 23-May-2020 91-3D	91-3D 25-Jun-2021 91-3D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	476	496	493	529	335	382	339	377	323
Ammonia Nitrogen	mg/l	--	--	1.76	2.00	2.21	2.07	0.20	0.33	0.244	0.207	<0.010
Chemical Oxygen Demand	mg/l	--	--	29	18	19	23	<5	9	<5	19	<5
Chloride	mg/l	--	250	89	90	96	93	29	10	34	52	34
Conductivity	uS/cm	--	--	1200	1200	1220	1200	726	797	600	858	713
Conductivity (Field)	uS/cm	--	--	1240	1156	1210	720	695	680	670	730	1380
Hardness, Calcium Carbonate	mg/l	--	--	510	519	517	500	363	410	353	372	351
Nitrogen, Total Kjeldahl	mg/l	--	--	1.93	2.08	2.9	2.51	<0.8	2.1	1.22	1.10	2.90
pH												
pH (Field)	-	--	--	7.3	7.05	6.97	7.7	7.6	7.6	7.6	7.6	7.5
Temperature (Field)	deg c	--	15	11	13.1	11.1	12	12	10.0	9	9	11.2
Total Dissolved Solids	mg/l	--	500	780	780	793	780	472	518	390	558	463
Total Organic Carbon	mg/l	--	--	7.3	8.4	8.2	8.1	3.6	6.0	3.6	4.8	5.8
Metals												
Boron, dissolved	mg/l	5	--	0.30	0.34	0.36	0.37	0.12	0.15	0.14	0.18	0.10
Calcium, dissolved	mg/l	--	--	130	132	131	126	96	105	95	98	91
Iron, dissolved	mg/l	--	0.3	2.34	2.58	2.71	2.86	<0.03	0.05	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	45	46	46	45	30	36	28	31	30
Potassium, dissolved	mg/l	--	--	5	5	6	6	5	5	5	5	6
Sodium, dissolved	mg/l	--	200 [3]	75	75	76	76	21	37	24	35	24
Strontium, dissolved	mg/l	--	--	4.98	5.68	5.58	4.80	1.69	2.19	2.26	2.58	1.55
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-5D 06-Jun-2013 S-50	91-5D 29-May-2014 91-5D	91-5D 28-May-2015 91-5D	91-5D 25-May-2016 S-32	91-5D 09-Jun-2017 91-5D	91-5D 01-Jun-2018 91-5D	91-5D 10-Jun-2019 91-5D	91-5D 27-May-2020 91-5D	91-5D 25-Jun-2021 91-5D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	345	426	365	403	409	380	375	429	363
Ammonia Nitrogen	mg/l	--	--	0.45	0.14	0.87	0.055	0.24	0.20	0.114	0.099	0.120
Chemical Oxygen Demand	mg/l	--	--	13	18	9	17	<5	7	<5	29	7
Chloride	mg/l	--	250	17	23	11	59	61	66	85	60	63
Conductivity	uS/cm	--	--	710	876	726	922	909	897	910	903	877
Conductivity (Field)	uS/cm	--	--	740	489	714	778	820	830	814	855	980
Hardness, Calcium Carbonate	mg/l	--	--	350	154	367	119	128	109	126	109	114
Nitrogen, Total Kjeldahl	mg/l	--	--	0.54	0.90	2.4	0.29	0.9	<0.8	0.42	0.302	0.31
pH												
pH (Field)	-	--	--	7.2	7.22	6.96	7.40	7.4	7.6	7.5	7.40	8.2
Temperature (Field)	deg c	--	15	11	12.2	10.9	10	12	11	11	14.4	10.7
Total Dissolved Solids	mg/l	--	500	462	569	472	599	591	583	592	587	570
Total Organic Carbon	mg/l	--	--	3.2	5.5	3.9	5.3	5.2	4.9	7.8	4.2	3.6
Metals												
Boron, dissolved	mg/l	5	--	0.19	1.3	0.18	1.7	1.7	1.8	1.5	1.67	1.7
Calcium, dissolved	mg/l	--	--	99	42	104	31	33	29	34	29	29
Iron, dissolved	mg/l	--	0.3	<0.03	0.39	<0.03	0.99	0.19	0.23	0.20	0.16	0.35
Magnesium, dissolved	mg/l	--	--	25	12	26	10	11	9	10	9	10
Potassium, dissolved	mg/l	--	--	3	2	3	3	2	2	3	2	2
Sodium, dissolved	mg/l	--	200 [3]	26	155	25	182	168	158	178	159	174
Strontium, dissolved	mg/l	--	--	0.496	1.08	0.495	0.902	0.953	0.829	1.07	1.05	0.77
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-5S 06-Jun-2013 S-51	91-5S 29-May-2014 91-5S	91-5S 28-May-2015 91-5S	91-5S 25-May-2016 S-31	91-5S 09-Jun-2017 91-5S	91-5S 01-Jun-2018 91-5S	91-5S 10-Jun-2019 91-5S	91-5S 27-May-2020 91-5S	91-5S 25-Jun-2021 91-5S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	342	337	408	378	395	340	318	376	342
Ammonia Nitrogen	mg/l	--	--	0.62	0.66	0.06	0.850	0.21	0.74	0.506	0.533	0.12
Chemical Oxygen Demand	mg/l	--	--	17	11	14	11	5	5	<5	7	10
Chloride	mg/l	--	250	17	10	26	10	64	11	9	6	76
Conductivity	uS/cm	--	--	710	665	861	679	915	657	520	600	862
Conductivity (Field)	uS/cm	--	--	784	626	850	540	525	500	520	564	520
Hardness, Calcium Carbonate	mg/l	--	--	344	352	135	331	139	241	302	293	116
Nitrogen, Total Kjeldahl	mg/l	--	--	0.80	0.77	<0.8	1.19	1.4	1.4	0.77	0.836	0.265
pH												
pH (Field)	-	--	--	7.6	7.18	7.49	7.44	7.5	7.6	7.5	6.72	8.5
Temperature (Field)	deg c	--	15	13	13.4	10.7	12	13	11	11	16.7	10.0
Total Dissolved Solids	mg/l	--	500	462	432	560	441	595	427	338	390	573
Total Organic Carbon	mg/l	--	--	3.1	3.1	5.6	3.4	7.1	3.6	4.1	2.4	3.6
Metals												
Boron, dissolved	mg/l	5	--	0.19	0.17	1.3	0.19	1.6	0.36	0.14	0.15	1.4
Calcium, dissolved	mg/l	--	--	98	103	36	93	36	70	88	86	30
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	0.40	<0.03	0.05	<0.03	<0.03	<0.03	0.04
Magnesium, dissolved	mg/l	--	--	24	23	11	24	12	16	20	19	10
Potassium, dissolved	mg/l	--	--	3	3	2	3	3	3	2	2	2
Sodium, dissolved	mg/l	--	200 [3]	26	18	165	27	171	43	23	14	166
Strontium, dissolved	mg/l	--	--	0.485	0.440	1.03	0.437	0.885	0.450	0.450	0.443	0.665
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-6D 05-Jun-2013 S-39	91-6D 30-May-2014 91-6D	91-6D 28-May-2015 91-6D	91-6D 26-May-2016 S-54	91-6D 08-Jun-2017 96-6D	91-6D 30-May-2018 91-6D	91-6D 06-Jun-2019 91-6D	91-6D 22-May-2020 91-6D	91-6D 25-Jun-2021 91-6D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	256	284	284	293	297	262	288	277	357
Ammonia Nitrogen	mg/l	--	--	0.11	0.03	<0.02	<0.025	0.10	0.12	<0.020	<0.010	<0.010
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	--	<1	--	--	--	--	--	1
Bromide	mg/l	--	--	--	--	<0.25	--	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	7	<5	<5	9	10	<5	<5	9	<5
Chloride	mg/l	--	250	19	12	14	13	21	11	20	13	5
Conductivity	uS/cm	--	--	622	629	635	599	645	584	595	620	703
Conductivity (Field)	uS/cm	--	--	600	637	690	920	890	880	895	880	780
Cyanide	mg/l	0.2	--	--	--	<0.005	--	--	--	--	--	--
Fluoride	mg/l	1.5	--	--	--	0.52	--	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	326	358	351	322	314	311	332	317	408
Nitrate as N	mg/l	10.0	--	--	--	<0.10	--	--	--	--	--	<0.10
Nitrite as N	mg/l	1.0	--	--	--	<0.10	--	--	--	--	--	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	0.16	0.10	<0.8	0.24	<0.8	<0.8	<0.15	0.212	0.13
pH								--	--	--	--	--
pH (Field)	-	--	--	7.7	7.53	7.40	7.6	7.6	7.6	7.6	7.6	8.1
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	<0.01	--	--	--	--	--	--
Sulphate	mg/l	--	500 [4]	--	--	53	--	--	--	--	--	60
Temperature (Field)	deg c	--	15	11	10.1	10.9	11	10	10	10	8	9.2
Total Dissolved Solids	mg/l	--	500	404	409	413	389	419	380	387	403	457
Total Organic Carbon	mg/l	--	--	1.0	1.3	1.1	0.7	2.2	0.94	1.2	1.2	0.7
Metals												
Aluminum, dissolved	mg/l	--	--	--	--	<0.01	--	--	--	--	--	<0.01
Arsenic, dissolved	mg/l	0.01	--	--	--	<0.001	--	--	--	--	--	<0.001
Barium, dissolved	mg/l	1	--	--	--	0.11	--	--	--	--	--	0.08
Beryllium, dissolved	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	<0.0005
Boron, dissolved	mg/l	5	--	0.04	0.05	0.05	0.05	0.06	0.05	0.06	0.05	<0.01
Cadmium, dissolved	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	<0.0001
Calcium, dissolved	mg/l	--	--	76	84	83	76	73	75	77	76	69
Chromium, dissolved	mg/l	0.05	--	--	--	<0.001	--	--	--	--	--	<0.001
Cobalt, dissolved	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Copper, dissolved	mg/l	--	1	--	--	<0.001	--	--	--	--	--	<0.001
Iron, dissolved	mg/l	--	0.3	0.06	0.14	0.13	<0.03	0.04	<0.03	<0.03	0.03	0.09
Lead, dissolved	mg/l	0.01	--	--	--	<0.001	--	--	--	--	--	<0.001
Magnesium, dissolved	mg/l	--	--	33	36	35	32	32	30	34	31	31
Manganese, dissolved	mg/l	--	0.05	--	--	0.09	--	--	--	--	--	0.03
Molybdenum, dissolved	mg/l	--	--	--	--	<0.005	--	--	--	--	--	<0.005
Nickel, dissolved	mg/l	--	--	--	--	<0.005	--	--	--	--	--	<0.005
Potassium, dissolved	mg/l	--	--	3	2	2	2	2	2	2	2	2
Silver, dissolved	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [3]	15	9	8	10	11	11	10	9	12
Strontium, dissolved	mg/l	--	--	2.76	3.06	2.81	2.58	3.00	2.68	3.06	3.02	0.204
Thallium, dissolved	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	<0.0001
Titanium, dissolved	mg/l	--	--	--	--	<0.01	--	--	--	--	--	<0.01
Vanadium, dissolved	mg/l	--	--	--	--	<0.001	--	--	--	--	--	<0.001
Zinc, dissolved	mg/l	--	5	--	--	<0.01	--	--	--	--	--	<0.01
Zirconium, dissolved	mg/l	--	--	--	--	<0.002	--	--	--	--	--	<0.002
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-7D 05-Jun-2013 S-41	91-7D 17-Jun-2014 91-7D	91-7D 28-May-2015 91-7D	91-7D 26-May-2016 S-53	91-7D 08-Jun-2017 91-7D	91-7D 30-May-2018 91-7D	91-7D 10-Jun-2019 91-7D	91-7D 22-May-2020 91-7D	91-7D 24-Jun-2021 91-7D	91-7D 24-Jun-2021 Dup #4
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	325	337	355	363	328	335	332	308	315	313
Ammonia Nitrogen	mg/l	--	--	0.05	0.04	<0.02	<0.025	0.12	0.16	<0.010	0.074	0.01	0.01
Chemical Oxygen Demand	mg/l	--	--	12	6	7	10	7	<5	<5	18	10	19
Chloride	mg/l	--	250	251	237	247	225	280	207	261	209	185	187
Conductivity	uS/cm	--	--	1450	1430	1470	1400	1470	1250	1230	1290	1200	1210
Conductivity (Field)	uS/cm	--	--	1440	1371	1455	1405	1313	1240	1219	1183	133	133
Hardness, Calcium Carbonate	mg/l	--	--	476	448	504	498	412	412	445	372	379	389
Nitrogen, Total Kjeldahl	mg/l	--	--	0.10	0.13	<0.8	0.28	<0.8	0.9	0.28	0.550	0.331	0.346
pH													
pH (Field)	-	--	--	7.2	7.49	7.04	7.5	7.5	7.4	7.5	7.5	7.4	7.4
Temperature (Field)	deg c	--	15	12	14.2	11.1	12	10	9	10	9	10.2	10.2
Total Dissolved Solids	mg/l	--	500	942	930	956	910	956	812	800	838	780	786
Total Organic Carbon	mg/l	--	--	1.8	2.6	2.3	1.8	3.6	2.4	5.4	2.7	2.2	2.3
Metals													
Boron, dissolved	mg/l	5	--	0.07	0.06	0.09	0.09	0.06	0.05	0.07	0.06	0.08	0.08
Calcium, dissolved	mg/l	--	--	128	120	131	132	109	114	122	101	99	103
Iron, dissolved	mg/l	--	0.3	0.13	<0.03	<0.03	0.19	0.05	0.10	0.14	0.16	0.11	0.08
Magnesium, dissolved	mg/l	--	--	38	36	43	41	34	31	34	29	2	32
Potassium, dissolved	mg/l	--	--	3	2	4	3	2	2	2	2	103	3
Sodium, dissolved	mg/l	--	200 [3]	130	138	120	106	135	110	126	110	103	113
Strontium, dissolved	mg/l	--	--	2.31	1.23	2.02	2.46	1.47	1.48	1.58	2.04	1.33	1.04
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-7S 05-Jun-2013 S-43	91-7S 17-Jun-2014 91-7S	91-7S 28-May-2015 91-7S	91-7S 26-May-2016 S-52	91-7S 08-Jun-2017 91-7S	91-7S 30-May-2018 91-7S	91-7S 10-Jun-2019 91-7S	91-7S 22-May-2020 91-7S	91-7S 24-Jun-2021 91-7S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	338	351	359	379	338	335	349	332	333
Ammonia Nitrogen	mg/l	--	--	0.03	0.14	<0.02	0.030	0.10	0.10	<0.10	0.030	0.01
Chemical Oxygen Demand	mg/l	--	--	24	9	9	19	11	<5	<5	14	14
Chloride	mg/l	--	250	217	156	210	215	231	166	121	181	186
Conductivity	uS/cm	--	--	1380	1200	1350	1370	1360	1160	914	1260	1220
Conductivity (Field)	uS/cm	--	--	1208	1170	1329	1148	--	820	775	794	314
Hardness, Calcium Carbonate	mg/l	--	--	518	478	488	498	442	416	417	418	440
Nitrogen, Total Kjeldahl	mg/l	--	--	0.14	0.27	<0.8	0.46	<0.8	<0.8	0.22	0.319	0.314
pH												
pH (Field)	-	--	--	7.3	7.42	7.08	7.5	--	7.5	7.5	7.4	7.5
Temperature (Field)	deg c	--	15	11	14.2	10.1	12	--	11	12	9	9.8
Total Dissolved Solids	mg/l	--	500	897	780	878	890	884	754	594	819	793
Total Organic Carbon	mg/l	--	--	6.7	4.1	3.2	4.7	3.6	3.5	5.8	3.0	4.5
Metals												
Boron, dissolved	mg/l	5	--	0.09	0.12	0.10	0.11	0.10	0.09	0.14	0.08	0.1
Calcium, dissolved	mg/l	--	--	138	127	128	132	116	112	111	113	115
Iron, dissolved	mg/l	--	0.3	0.56	0.48	0.48	0.44	0.30	0.32	0.24	0.47	0.66
Magnesium, dissolved	mg/l	--	--	42	39	41	41	37	33	34	33	37
Potassium, dissolved	mg/l	--	--	3	3	3	3	3	3	3	3	3
Sodium, dissolved	mg/l	--	200 [3]	100	78	96	99	98	84	66	85	93
Strontium, dissolved	mg/l	--	--	2.49	2.68	2.62	2.73	2.65	2.28	2.65	2.47	2.73
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-10D 06-Jun-2013 S-54	91-10D 29-May-2014 91-10D	91-10D 03-Jun-2015 91-10d	91-10D 25-May-2016 S-45	91-10D 14-Jun-2017 91-10D	91-10D 01-Jun-2018 91-10D	91-10D 07-Jun-2019 91-10D	91-10D 23-May-2020 91-10D	91-10D 24-Jun-2021 91-10D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	192	212	247	223	215	204	213	190	229
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	<0.05	0.086	0.04	0.09	<0.010	<0.010	0.126
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	<1	<1	<4	<1	<1	2	<1	3	<1
Bromide	mg/l	--	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	15	9	27	23	18	<5	9	14	5
Chloride	mg/l	--	250	9	9	10	8	9	6	11	4	4
Conductivity	uS/cm	--	--	422	440	514	447	455	412	431	377	453
Conductivity (Field)	uS/cm	--	--	470	905	860	870	--	870	850	864	580
Cyanide	mg/l	0.2	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	0.10	0.10	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hardness, Calcium Carbonate	mg/l	--	--	218	251	277	236	242	200	223	195	249
Nitrate as N	mg/l	10.0	--	0.25	0.76	0.64	0.23	0.90	0.18	1.31	0.39	<0.10
Nitrite as N	mg/l	1.0	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	0.16	0.12	<0.07	0.38	1.0	<0.8	0.31	0.222	<0.1
pH												
pH (Field)	-	--	--	6.9	7.38	7.8	7.7	--	7.7	7.6	7.6	7.3
Phosphorus (dissolved reactive)	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.0030	<0.010	<0.1
Sulphate	mg/l	--	500 [4]	16	20	22	20	21	16	17	11	19
Temperature (Field)	deg c	--	15	12	11.9	11	12	--	9	11	9	10.6
Total Dissolved Solids	mg/l	--	500	274	286	334	291	296	268	280	245	294
Total Organic Carbon	mg/l	--	--	3.8	4.1	4.2	3.5	5.0	3.8	3.8	3.2	6
Metals												
Aluminum, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Arsenic, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Barium, dissolved	mg/l	1	--	0.20	0.20	0.24	0.19	0.19	0.16	0.19	0.15	0.45
Beryllium, dissolved	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	0.03	0.04	0.05	0.04	0.04	0.04	0.04	0.03	0.04
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	69	79	86	73	74	62	68	60	80
Chromium, dissolved	mg/l	0.05	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt, dissolved	mg/l	--	--	0.0006	<0.0002	0.0004	0.0003	0.0003	<0.0002	0.0002	<0.0002	<0.0002
Copper, dissolved	mg/l	--	1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	0.05	0.06	<0.03	<0.03	<0.03	0.04	7.93
Lead, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	11	13	15	13	14	11	13	11	12
Manganese, dissolved	mg/l	--	0.05	0.48	0.32	0.72	0.39	0.45	0.32	0.47	0.40	2.29
Molybdenum, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	1	<1	1	1	1	1	1	1	1
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [3]	7	7	6	6	6	6	5	5	5
Strontium, dissolved	mg/l	--	--	0.097	0.101	0.125	0.112	0.128	0.104	0.119	0.096	0.104
Thallium, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-10M 06-Jun-2013 [5] S-55	91-10M 29-May-2014 91-10M	91-10M 03-Jun-2015 91-10m	91-10M 25-May-2016 S-46	91-10M 14-Jun-2017 91-10M	91-10M 01-Jun-2018 91-10M	91-10M 07-Jun-2019 91-10M	91-10M 23-May-2020 91-10M	91-10M 24-Jun-2021 91-10M
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	224	214	242	260	221	233	191	205	229
Ammonia Nitrogen	mg/l	--	--	0.31	0.15	0.34	0.339	0.18	0.29	0.12	0.083	0.126
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	1	<1	<4	<1	<1	3	<1	5	<1
Bromide	mg/l	--	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	23	10	23	24	19	8	<5	15	7
Chloride	mg/l	--	250	7	8	5	4	7	4	4	4	4
Conductivity	uS/cm	--	--	466	441	476	471	448	452	363	398	453
Conductivity (Field)	uS/cm	--	--	510	710	795	810	--	810	785	780	520
Cyanide	mg/l	0.2	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hardness, Calcium Carbonate	mg/l	--	--	249	248	257	250	242	223	192	209	249
Nitrate as N	mg/l	10.0	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrite as N	mg/l	1.0	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	0.45	0.21	0.68	0.68	1.1	<0.8	0.34	0.401	0.506
pH												
pH (Field)	-	--	--	6.9	7.48	7.7	7.6	--	7.6	7.5	7.5	6.2
Phosphorus (dissolved reactive)	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.0030	<0.010	0.014
Sulphate	mg/l	--	500 [4]	14	18	15	15	18	15	13	12	19
Temperature (Field)	deg c	--	15	12	11.5	11	12	--	10	11	9	11.2
Total Dissolved Solids	mg/l	--	500	303	287	309	306	291	294	236	259	294
Total Organic Carbon	mg/l	--	--	8.0	4.4	8.8	8.6	5.0	6.4	3.7	3.2	6
Total Suspended Solids	mg/l	--	--	--	--	--	--	--	46	--	--	--
Metals												
Aluminum, dissolved	mg/l	--	--	0.01	<0.01	0.02	0.02	0.01	<0.01	<0.01	<0.01	0.01
Arsenic, dissolved	mg/l	0.01	--	<0.01	<0.001	0.001	0.002	0.001	0.001	<0.001	<0.001	0.001
Barium, dissolved	mg/l	1	--	0.49	0.36	0.53	0.53	0.40	0.42	0.36	0.34	0.45
Beryllium, dissolved	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	0.03	0.03	0.03	0.03	0.04	0.05	0.03	0.03	0.04
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	80	81	83	82	77	73	62	69	80
Chromium, dissolved	mg/l	0.05	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt, dissolved	mg/l	--	--	0.0004	<0.0002	0.0003	0.0003	<0.0002	0.0002	<0.0002	<0.0002	0.0003
Copper, dissolved	mg/l	--	1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004
Iron, dissolved	mg/l	--	0.3	8.93	2.84	10.6	9.60	3.52	4.99	2.78	2.67	7.93
Lead, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	12	11	12	11	12	10	9	9	12
Manganese, dissolved	mg/l	--	0.05	2.35	1.39	2.72	2.69	1.70	2.04	1.30	1.12	2.29
Molybdenum, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	1	1	1	1	1	1	1	1	1
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [3]	6	5	5	5	5	5	4	4	5
Strontium, dissolved	mg/l	--	--	0.103	0.095	0.109	0.119	0.115	0.115	0.099	0.100	0.104
Thallium, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	0.004	<0.001	0.002	0.002	<0.001	0.001	<0.001	<0.001	0.002
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-2D 04-Jun-2013 S-28	93-2D 05-Sep-2013 B-5	93-2D 17-Jun-2014 93-2D	93-2D 03-Sep-2014 [8] S - 1	93-2D 28-May-2015 93-2D	93-2D 16-Sep-2015 93-2D	93-2D 01-Jun-2016 S-68	93-2D 07-Sep-2016 93-2D	93-2D 08-Jun-2017 93-2D	93-2D 28-Aug-2017 93-2D	93-2D 30-May-2018 93-2D	93-2D 12-Sep-2018 93-2D	93-2D 07-Jun-2019 93-2D	93-2D 19-Sep-2019 93-2D	93-2D 27-May-2020 93-2D	93-2D 15-Sep-2020 93-2D	93-2D 25-Jun-2021 93-2D	93-2D 25-Jun-2021 93-2D	93-2D 14-Sept-2021 93-2D
General Chemistry																							
Alkalinity (Total as CaCO3)	mg/l	--	--	315	328	299	296	298	359	340	330	327	280	315	315	307	281	319	289	318	314	286
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	0.06	0.04	<0.02	<0.025	0.147	<0.025	0.05	0.09	0.11	0.10	<0.010	0.03	0.032	0.03	<0.010	<0.010	<0.010
Chemical Oxygen Demand	mg/l	--	--	12	10	<5	<5	<5	12	15	11	<5	<0.0001	<5	<5	<5	<5	<5	9	<5	<5	13
Chloride	mg/l	--	250	485	497	473	505	513	526	607	559	611	533	622	648	610	648	567	656	660	660	560
Conductivity	uS/cm	--	--	2220	2270	2140	2160	2240	2420	2580	2370	2540	2270	2530	2530	2370	2560	2320	2570	2670	2670	2400
Conductivity (Field)	uS/cm	--	--	2100	2010	2044	2030	2242	1940	1860	1710	1796	1983	1745	1665	1680	1695	2058	1919	2060	2060	2600
Hardness, Calcium Carbonate	mg/l	--	--	378	415	671	628	685	496	532	598	493	637	501	478	504	616	643	576	533	559	680
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	<0.10	0.11	<0.10	<0.8	0.12	0.15	0.14	<0.8	<0.8	<0.8	1.0	<0.15	<0.1	<0.100	<0.1	0.2	0.1	0.545
pH																						
pH (Field)	-	--	--	7.3	7.4	8.01	7.4	7.24	7.6	7.9	7.8	7.8	7.86	7.7	7.5	7.6	7.5	7.17	7.07	7.7	7.7	7.52
Temperature (Field)	deg c	--	15	12	9	16.1	13	10.4	12	12	13	11	11.1	9	10	10	11	9.4	10.4	9.8	9.8	10.3
Total Dissolved Solids	mg/l	--	500	1440	1480	1390	1400	1460	1570	1680	1540	1650	1480	1640	1640	1540	1660	1510	1670	1740	1740	1560
Total Organic Carbon	mg/l	--	--	1.4	1.9	1.8	2.0	1.6	1.3	1.6	1.2	2.4	1.5	1.4	1.3	1.6	1.6	1.6	1.5	1.2	1.2	1.7
Metals																						
Boron, dissolved	mg/l	5	--	<0.01	0.03	0.26	0.14	0.22	0.07	0.03	0.17	0.15	0.29	0.04	0.07	0.07	0.10	0.39	0.17	0.14	0.13	0.29
Calcium, dissolved	mg/l	--	--	97	107	163	151	164	126	139	147	125	158	133	122	131	156	157	150	136	143	160
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	0.08	<0.03	0.07	0.06	<0.03	0.14	0.07	0.05	0.06	0.04	0.06	0.04	0.07	0.05	0.1	0.1	0.1
Magnesium, dissolved	mg/l	--	--	33	36	64	61	67	44	45	56	44	59	41	42	43	55	61	49	47	49	68
Potassium, dissolved	mg/l	--	--	2	2	4	3	4	2	2	3	2	3	2	2	2	4	4	3	2	2	4
Sodium, dissolved	mg/l	--	200 [3]	315	314	179	213	194	288	339	244	339	227	326	329	332	270	187	312	390	401	196
Strontium, dissolved	mg/l	--	--	0.297	0.755	4.31	3.02	4.15	0.916	0.785	2.94	2.55	3.03	0.829	1.39	1.78	2.19	4.74	2.77	2.49	3.7	4.8
Phenols																						
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.002	<0.004	<0.004	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-2M 04-Jun-2013 S-24	93-2M 06-Sep-2013 S-6	93-2M 30-May-2014 95-2M	93-2M 03-Sep-2014 S - 3	93-2M 28-May-2015 93-2M	93-2M 16-Sep-2015 93-2M	93-2M 01-Jun-2016 S-69	93-2M 07-Sep-2016 93-2M	93-2M 08-Jun-2017 93-2M	93-2M 28-Aug-2017 93-2M	93-2M 30-May-2018 93-2M	93-2M 12-Sep-2018 93-2M	93-2M 07-Jun-2019 93-2M	93-2M 19-Sep-2019 93-2M	93-2M 27-May-2020 93-2M	93-2M 15-Sep-2020 93-2M	93-2M 25-Jun-2021 93-2M	93-2M 14-Sept-2021 93-2M
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	334	--	341	--	347	--	329	--	312	--	334	--	301	--	367	--	319	--
Ammonia Nitrogen	mg/l	--	--	<0.02	--	0.04	--	<0.02	--	<0.025	--	<0.02	--	0.10	--	<0.010	--	<0.010	--	0.01	--
Chemical Oxygen Demand	mg/l	--	--	5	--	<5	--	<5	--	14	--	<5	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	504	--	494	--	523	--	617	--	657	--	624	--	631	--	648	--	670	--
Conductivity	uS/cm	--	--	2290	--	2230	--	2360	--	2640	--	2600	--	2510	--	2420	--	2700	--	2690	--
Conductivity (Field)	uS/cm	--	--	2140	224	1108	2010	2356	1990	895	870	925	2183	935	905	810	785	2325	2121	1450	2940
Hardness, Calcium Carbonate	mg/l	--	--	449	--	482	--	515	--	536	--	478	--	499	--	523	--	535	--	524	--
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	--	<0.10	--	<0.8	--	0.21	--	<0.8	--	<0.8	--	<0.15	--	0.240	--	0.1	--
pH																					
pH (Field)	-	--	--	7.3	7.3	7.60	7.4	7.40	7.5	7.7	7.7	7.6	7.74	7.5	7.5	7.4	7.5	7.24	7.11	7.6	7.4
Temperature (Field)	deg c	--	15	12	10	11.9	14	10.4	12	12	13	11	10.7	10	12	12	12	12.0	12.6	9.2	10.3
Total Dissolved Solids	mg/l	--	500	1490	--	1450	--	1530	--	1720	--	1690	--	1630	--	1570	--	1760	--	**1750**	--
Total Organic Carbon	mg/l	--	--	1.4	--	1.7	--	1.6	--	1.3	--	2.6	--	1.3	--	1.5	--	1.5	--	1.1	--
Metals																					
Boron, dissolved	mg/l	5	--	<0.01	--	0.01	--	0.01	--	<0.01	--	0.02	--	<0.01	--	<0.01	--	0.03	--	0.01	--
Calcium, dissolved	mg/l	--	--	117	--	122	--	132	--	142	--	124	--	134	--	137	--	140	--	134	--
Iron, dissolved	mg/l	--	0.3	0.30	--	<0.03	--	<0.03	--	<0.03	--	0.12	--	<0.03	--	<0.03	--	0.09	--	0.11	--
Magnesium, dissolved	mg/l	--	--	38	--	43	--	45	--	44	--	41	--	40	--	44	--	45	--	46	--
Potassium, dissolved	mg/l	--	--	1	--	2	--	2	--	2	--	1	--	1	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	306	--	307	--	284	--	350	--	386	--	325	--	312	--	325	--	399	--
Strontium, dissolved	mg/l	--	--	0.496	--	0.588	--	0.734	--	0.398	--	0.643	--	0.381	--	0.624	--	1.06	--	0.49	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.001	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-2S 04-Jun-2013 S-23	93-2S 06-Sep-2013 S-7	93-2S 30-May-2014 93-2S	93-2S 03-Sep-2014 S - 4	93-2S 28-May-2015 93-2S	93-2S 16-Sep-2015 93-2S	93-2S 01-Jun-2016 S-70	93-2S 07-Sep-2016 93-2S	93-2S 08-Jun-2017 93-2S	93-2S 28-Aug-2017 93-2S	93-2S 30-May-2018 93-2S	93-2S 12-Sep-2018 93-2S	93-2S 10-Jun-2019 93-2S	93-2S 19-Sep-2019 93-2S	93-2S 27-May-2020 93-2S	93-2S 15-Sep-2020 93-2S	93-2S 25-Jun-2021 93-2S	93-2S 14-Sept-2021 93-2S
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	332	--	338	--	338	--	322	--	297	--	314	--	311	--	374	--	307	--
Ammonia Nitrogen	mg/l	--	--	<0.02	--	<0.02	--	<0.02	--	<0.025	--	0.10	--	0.11	--	<0.10	--	0.055	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	10	--	<5	--	<5	--	9	--	6	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	475	--	460	--	534	--	634	--	602	--	607	--	648	--	679	--	570	--
Conductivity	uS/cm	--	--	2180	--	2110	--	2360	--	2620	--	2480	--	2480	--	2350	--	2790	--	2553	--
Conductivity (Field)	uS/cm	--	--	2222	2150	2002	2040	2380	1890	925	905	870	2166	845	805	590	575	2477	1899	2430	2910
Hardness, Calcium Carbonate	mg/l	--	--	410	--	391	--	460	--	528	--	449	--	481	--	530	--	502	--	421	--
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	--	0.14	--	<0.8	--	0.29	--	<0.8	--	<0.8	--	<0.15	--	0.182	--	0.1	--
pH																					
pH (Field)	-	--	--	7.4	7.3	7.61	7.5	7.27	7.4	7.6	7.6	7.4	7.74	7.4	7.5	7.5	7.5	7.25	7.22	7.9	7.55
Temperature (Field)	deg c	--	15	14	10	10.8	13	8.57	11	13	15	12	11.8	11	13	12	12	11.4	12.6	9.8	12.4
Total Dissolved Solids	mg/l	--	500	1420	--	1370	--	1530	--	1700	--	1610	--	1610	--	1530	--	1810	--	1580	--
Total Organic Carbon	mg/l	--	--	1.7	--	1.8	--	1.4	--	1.9	--	2.5	--	1.3	--	4.1	--	1.4	--	1.2	--
Metals																					
Boron, dissolved	mg/l	5	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	0.01	--	<0.01	--
Calcium, dissolved	mg/l	--	--	108	--	99	--	120	--	139	--	117	--	130	--	143	--	135	--	114	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	34	--	35	--	39	--	44	--	38	--	38	--	42	--	40	--	33	--
Potassium, dissolved	mg/l	--	--	1	--	1	--	1	--	1	--	1	--	1	--	1	--	1	--	11	--
Sodium, dissolved	mg/l	--	200 [3]	328	--	318	--	321	--	359	--	383	--	318	--	330	--	358	--	384	--
Strontium, dissolved	mg/l	--	--	0.247	--	0.260	--	0.270	--	0.336	--	0.321	--	0.288	--	0.387	--	0.437	--	0.222	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.001	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-3D 05-Jun-2013 S-35	93-3D 30-May-2014 93-3D	93-3D 28-May-2015 93-3D	93-3D 01-Jun-2016 S-71	93-3D 08-Jun-2017 93-3D	93-3D 30-May-2018 93-3D	93-3D 07-Jun-2019 93-3D	93-3D 22-May-2020 93-3D	93-3D 25-Jun-2021 93-3D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	205	207	205	205	212	210	224	217	217
Ammonia Nitrogen	mg/l	--	--	0.16	0.08	0.05	0.067	0.30	0.22	0.06	0.024	<0.010
Chemical Oxygen Demand	mg/l	--	--	11	5	12	12	<5	<5	<5	17	17
Chloride	mg/l	--	250	5	4	5	5	5	5	7	13	5
Conductivity	uS/cm	--	--	428	411	421	422	426	417	358	426	419
Conductivity (Field)	uS/cm	--	--	438	497	409	805	810	795	780	755	520
Hardness, Calcium Carbonate	mg/l	--	--	224	232	210	215	200	208	205	208	210
Nitrogen, Total Kjeldahl	mg/l	--	--	0.36	0.26	1.1	0.29	<0.8	<0.8	0.23	0.307	0.266
pH												
pH (Field)	-	--	--	7.3	7.61	7.19	7.6	7.5	7.6	7.4	7.4	8.8
Temperature (Field)	deg c	--	15	16	10.5	10.7	10	10	10	12	9	10.4
Total Dissolved Solids	mg/l	--	500	278	267	274	274	277	271	233	277	272
Total Organic Carbon	mg/l	--	--	3.3	4.1	4.8	4.3	4.7	3.1	3.2	3.2	4
Metals												
Boron, dissolved	mg/l	5	--	<0.01	0.01	0.01	<0.01	<0.01	0.01	<0.01	0.01	0.01
Calcium, dissolved	mg/l	--	--	70	73	66	68	62	67	64	67	66
Iron, dissolved	mg/l	--	0.3	0.66	0.75	<0.03	0.77	0.89	1.09	1.07	0.70	1.06
Magnesium, dissolved	mg/l	--	--	12	12	11	11	11	10	11	10	11
Potassium, dissolved	mg/l	--	--	1	1	1	1	1	1	1	1	1
Sodium, dissolved	mg/l	--	200 [3]	8	5	15	14	17	11	11	10	10
Strontium, dissolved	mg/l	--	--	0.293	0.381	0.324	0.308	0.327	0.253	0.317	0.320	0.262
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-3S 05-Jun-2013 S-36	93-3S 30-May-2014 93-3S	93-3S 28-May-2015 93-3S	93-3S 01-Jun-2016 S-72	93-3S 08-Jun-2017 93-3S	93-3S 30-May-2018 93-3S	93-3S 07-Jun-2019 93-3S	93-3S 22-May-2020 93-3S	93-3S 25-Jun-2021 93-3S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	234	238	232	233	232	231	235	249	238
Ammonia Nitrogen	mg/l	--	--	0.16	0.05	0.06	0.065	0.12	0.12	0.06	0.062	<0.01
Chemical Oxygen Demand	mg/l	--	--	10	5	<5	7	<5	<5	<5	10	<5
Chloride	mg/l	--	250	4	4	4	4	4	4	7	4	6
Conductivity	uS/cm	--	--	460	455	464	459	459	427	400	458	451
Conductivity (Field)	uS/cm	--	--	505	429	454	710	714	720	760	775	520
Hardness, Calcium Carbonate	mg/l	--	--	252	264	264	260	233	246	233	243	233
Nitrogen, Total Kjeldahl	mg/l	--	--	0.38	0.16	<0.8	0.29	<0.8	<0.8	<0.15	0.308	0.229
pH												
pH (Field)	-	--	--	7.6	7.43	7.33	7.5	7.6	7.5	7.5	7.5	8.00
Temperature (Field)	deg c	--	15	13	10.5	11.3	12	11	10	11	9	9.8
Total Dissolved Solids	mg/l	--	500	299	296	302	298	298	278	260	298	293
Total Organic Carbon	mg/l	--	--	1.8	2.2	2.2	2.2	2.3	1.9	2.2	2.2	1.9
Metals												
Boron, dissolved	mg/l	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.01
Calcium, dissolved	mg/l	--	--	73	76	76	76	67	72	67	71	67
Iron, dissolved	mg/l	--	0.3	0.53	0.50	0.66	0.46	0.52	0.07	0.09	0.06	0.42
Magnesium, dissolved	mg/l	--	--	17	18	18	17	16	16	16	16	16
Potassium, dissolved	mg/l	--	--	1	1	1	1	1	1	1	1	1
Sodium, dissolved	mg/l	--	200 [3]	5	4	3	5	5	6	6	5	7
Strontium, dissolved	mg/l	--	--	0.506	0.566	0.535	0.531	0.510	0.485	0.523	0.537	0.44
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-4D 05-Jun-2013 S-37	93-4D 05-Sep-2013 B-6	93-4D 30-May-2014 93-4D	93-4D 03-Sep-2014 [6] S - 5	93-4D 28-May-2015 93-4D	93-4D 16-Sep-2015 93-4D	93-4D 01-Jun-2016 S-73	93-4D 08-Sep-2016 93-4D	93-4D 08-Jun-2017 93-4D	93-4D 28-Aug-2017 93-4D	93-4D 30-May-2018 93-4D	93-4D 07-Sep-2018 93-4D	93-4D 06-Jun-2019 93-4D	93-4D 19-Sep-2019 93-4D	93-4D 22-May-2020 93-4D	93-4D 15-Sep-2020 93-4D	93-4D 25-Jun-2021 93-4D	93-4D 14-Sept-2021 93-4D
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	251	275	267	273	266	293	262	241	271	277	263	282	260	277	260	284	Broken	Broken
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	<0.02	0.04	<0.02	<0.025	<0.025	<0.025	0.12	0.11	0.08	<0.02	<0.010	0.02	<0.010	0.04		
Chemical Oxygen Demand	mg/l	--	--	12	<5	<5	<5	<5	<5	8	18	<5	<5	<5	<5	<5	<5	5	<5		
Chloride	mg/l	--	250	30	39	61	41	51	55	54	34	66	61	41	45	79	44	33	38		
Conductivity	uS/cm	--	--	590	658	707	668	685	739	690	590	701	691	633	690	710	674	598	649		
Conductivity (Field)	uS/cm	--	--	580	605	684	595	537	625	696	710	680	648	700	690	659	638	690	714		
Hardness, Calcium Carbonate	mg/l	--	--	302	320	378	364	357	373	362	244	327	371	323	355	352	348	295	319		
Nitrogen, Total Kieldahl	mg/l	--	--	0.14	0.14	0.12	<0.10	<0.8	1.21	0.33	0.26	<0.8	<0.8	<0.8	0.8	0.17	<0.1	0.316	<0.1		
pH																					
pH (Field)	-	--	--	7.2	7.3	7.26	7.4	7.53	7.5	7.5	7.4	7.5	7.77	7.5	7.6	7.6	7.6	7.7	7.8		
Temperature (Field)	deg c	--	15	11	8	11.3	13	9.1	13	11	13	9	10.9	11	11	10	12	9	9.1		
Total Dissolved Solids	mg/l	--	500	384	428	460	434	445	480	448	384	456	449	411	448	462	438	389	422		
Total Organic Carbon	mg/l	--	--	2.3	1.7	1.7	1.3	1.2	3.7	1.4	5.2	12.5	1.5	1.2	2.0	1.1	1.3	1.3	1.2		
Metals																					
Boron, dissolved	mg/l	5	--	0.02	0.01	0.01	0.01	<0.01	0.02	<0.01	0.02	0.02	0.02	<0.01	0.01	0.01	0.01	0.01	0.02		
Calcium, dissolved	mg/l	--	--	78	82	97	93	92	95	94	68	83	96	85	91	88	90	77	85		
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03		
Magnesium, dissolved	mg/l	--	--	26	28	33	32	31	33	31	18	29	32	27	31	32	30	25	26		
Potassium, dissolved	mg/l	--	--	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1		
Sodium, dissolved	mg/l	--	200 [3]	10	10	12	10	10	11	12	46	12	16	10	13	14	13	11	12		
Strontium, dissolved	mg/l	--	--	0.194	0.158	0.188	0.169	0.165	0.154	0.177	0.471	0.173	0.153	0.134	0.173	0.181	0.173	0.147	0.166		
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-4S 05-Jun-2013 S-38	93-4S 06-Sep-2013 S-8	93-4S 30-May-2014 93-4S	93-4S 03-Sep-2014 S - 6	93-4S 28-May-2015 93-4S	93-4S 22-Sep-2015 93-4S	93-4S 01-Jun-2016 S-74	93-4S 08-Sep-2016 93-4S	93-4S 08-Jun-2017 93-4S	93-4S 28-Aug-2017 93-4S	93-4S 30-May-2018 93-4S	93-4S 07-Sep-2018 93-4S	93-4S 06-Jun-2019 93-4S	93-4S 19-Sep-2019 93-4S	93-4S 22-May-2020 93-4S	93-4S 15-Sep-2020 93-4S	93-4S 25-Jun-2021 93-4S	93-4S 14-Sept-2021 93-4S
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	217	--	222	--	224	--	240	--	231	--	237	--	223	--	221	--	218	--
Ammonia Nitrogen	mg/l	--	--	0.05	--	<0.02	--	<0.02	--	<0.025	--	0.09	--	0.13	--	<0.020	--	<0.010	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	18	--	10	--	10	--	9	--	<5	--	<5	--	<5	--	13	--	19	--
Chloride	mg/l	--	250	19	--	18	--	24	--	31	--	42	--	47	--	44	--	33	--	29	--
Conductivity	uS/cm	--	--	523	--	519	--	548	--	585	--	616	--	603	--	541	--	557	--	330	--
Conductivity (Field)	uS/cm	--	--	520	495	792	480	658	535	725	720	740	1059	720	680	705	695	700	702	524	580
Hardness, Calcium Carbonate	mg/l	--	--	207	--	216	--	221	--	240	--	221	--	236	--	222	--	209	--	199	--
Nitrogen, Total Kjeldahl	mg/l	--	--	0.28	--	0.25	--	<0.8	--	0.23	--	<0.8	--	<0.8	--	<0.15	--	0.307	--	0.151	--
pH																					--
pH (Field)	-	--	--	7.6	7.4	7.32	7.8	7.22	7.7	7.4	7.4	7.5	7.89	7.4	7.4	7.4	7.4	7.5	7.7	8.3	7.8
Temperature (Field)	deg c	--	15	9	10	12.1	12	11.6	11	12	15	11	13.9	10	12	10	13	8	9.0	9.6	11.5
Total Dissolved Solids	mg/l	--	500	340	--	337	--	356	--	380	--	400	--	392	--	352	--	362	--	341	--
Total Organic Carbon	mg/l	--	--	4.1	--	5.2	--	4.2	--	3.6	--	4.0	--	2.7	--	3.8	--	4.3	--	3.8	--
Metals																					
Boron, dissolved	mg/l	5	--	0.01	--	0.02	--	0.01	--	0.02	--	0.02	--	0.02	--	0.01	--	0.02	--	0.02	--
Calcium, dissolved	mg/l	--	--	58	--	60	--	62	--	68	--	62	--	68	--	61	--	59	--	55	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	0.05	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	15	--	16	--	16	--	17	--	16	--	16	--	17	--	15	--	15	--
Potassium, dissolved	mg/l	--	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	36	--	38	--	40	--	40	--	45	--	40	--	35	--	36	--	38	--
Strontium, dissolved	mg/l	--	--	0.437	--	0.459	--	0.415	--	0.473	--	0.472	--	0.449	--	0.496	--	0.481	--	0.371	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-5D 04-Jun-2013 S-13	93-5D 05-Sep-2013 B-9	93-5D 30-May-2014 93-5D	93-5D 03-Sep-2014 [6] S - 18	93-5D 28-May-2015 93-5D	93-5D 16-Sep-2015 93-5D	93-5D 25-May-2016 S-38	93-5D 08-Sep-2016 93-5D	93-5D 08-Jun-2017 93-5D	93-5D 29-Aug-2017 93-5D	93-5D 29-May-2018 93-5D	93-5D 12-Sep-2018 93-5D	93-5D 07-Jun-2019 93-5D	93-5D 19-Sep-2019 93-5D	93-5D 27-May-2020 93-5D	93-5D 15-Sep-2020 93-5D	93-5D 24-Jun-2021 93-5D	93-5D 14-Sept-2021 93-5D
General Chemistry																						
Alkalinity (Total as CaCO3)	mg/l	--	--	420	412	409	394	400	491	477	477	445	391	425	430	462	439	478	384	451	474
Ammonia Nitrogen	mg/l	--	--	2.91	2.01	0.83	1.36	0.29	2.08	1.02	1.27	1.21	0.68	1.33	0.78	1.7	1.74	1.09	1.04	1.7	1.87
Chemical Oxygen Demand	mg/l	--	--	19	14	14	10	9	26	18	20	18	8	<5	12	<5	9	8	16	9	13
Chloride	mg/l	--	250	20	20	12	9	13	18	16	14	19	14	11	12	14	12	9	7	12	12
Conductivity	uS/cm	--	--	851	828	784	777	800	911	865	866	845	757	813	829	767	830	774	744	825	837
Conductivity (Field)	uS/cm	--	--	800	825	712	820	796	830	735	720	705	672	685	660	705	590	650	672	980	870
Hardness, Calcium Carbonate	mg/l	--	--	396	358	367	392	359	418	382	402	350	363	384	343	371	379	337	344	373	358
Nitrogen, Total Kieldahl	mg/l	--	--	3.10	2.62	1.10	1.62	1.1	2.82	1.97	1.48	2.0	1.0	1.9	3.5	1.97	1.9	1.83	1.3	2.16	2.77
pH																						
pH (Field)	-	--	--	7.2	7.3	7.38	7.4	7.32	7.5	7.6	7.6	7.5	7.99	7.4	7.3	7.4	7.6	6.47	6.64	7.4	7.23
Temperature (Field)	deg c	--	15	12	11	12.3	13	11.2	12	10	12	10	10.9	9	10	10	12	12.1	12.4	10.1	11.7
Total Dissolved Solids	mg/l	--	500	553	538	510	505	520	592	562	563	549	492	528	539	499	540	503	484	536	544
Total Organic Carbon	mg/l	--	--	6.0	6.3	5.8	5.4	5.5	7.3	6.0	6.6	6.4	6.1	5.4	5.8	7.3	6.1	5.1	5.9	5	6.8
Metals																						
Boron, dissolved	mg/l	5	--	0.35	0.34	0.40	0.34	0.42	0.55	0.53	0.49	0.42	0.39	0.39	0.42	0.45	0.40	0.35	0.31	0.43	0.39
Calcium, dissolved	mg/l	--	--	114	102	104	111	101	118	107	113	99	104	111	96	104	109	97	100	105	99
Iron, dissolved	mg/l	--	0.3	7.31	2.59	1.12	1.19	0.90	4.16	2.04	0.94	3.73	1.04	3.82	2.67	7.60	4.31	0.96	0.55	5.82	1.69
Magnesium, dissolved	mg/l	--	--	27	25	26	28	26	30	28	29	25	25	26	25	27	26	23	23	27	27
Potassium, dissolved	mg/l	--	--	6	6	4	4	4	5	5	5	4	5	5	4	4	4	4	4	4	4
Sodium, dissolved	mg/l	--	200 [3]	40	35	45	45	48	42	54	55	51	40	43	48	38	41	34	31	48	46
Strontium, dissolved	mg/l	--	--	1.08	1.13	1.26	1.09	1.22	1.39	1.50	1.50	1.36	1.21	1.30	1.38	1.69	1.65	1.29	0.958	1.64	1.29
Phenols																						
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.008	0.004	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-5S 04-Jun-2013 S-14	93-5S 05-Sep-2013 B-8	93-5S 30-May-2014 93-5S	93-5S 03-Sep-2014 [6] S - 19	93-5S 28-May-2015 93-5S	93-5S 16-Sep-2015 93-5S	93-5S 25-May-2016 S-40	93-5S 08-Sep-2016 93-5S	93-5S 08-Jun-2017 93-5S	93-5S 29-Aug-2017 93-5S	93-5S 29-May-2018 93-5S	93-5S 12-Sep-2018 93-5S	93-5S 07-Jun-2019 93-5S	93-5S 19-Sep-2019 93-5S	93-5S 27-May-2020 93-5S	93-5S 15-Sep-2020 93-5S	93-5S 23-June-2021 93-5S	93-5S 14-Sept-2021 93-5S
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	356	445	409	436	501	478	513	423	432	423	440	382	391	380	460	395	437	374
Ammonia Nitrogen	mg/l	--	--	1.32	2.26	1.52	1.44	2.85	2.58	1.58	2.61	0.88	1.96	1.02	1.79	1.3	2.87	1.61	2.90	1.53	3.49
Chemical Oxygen Demand	mg/l	--	--	14	18	11	8	20	29	19	17	<5	11	14	9	<5	11	5	7	15	13
Chloride	mg/l	--	250	10	20	9	12	18	16	14	18	10	9	8	11	8	11	7	8	12	12
Conductivity	uS/cm	--	--	715	883	776	854	958	908	899	793	801	822	806	728	631	752	730	745	817	693
Conductivity (Field)	uS/cm	--	--	820	820	772	795	957	770	775	760	705	773	710	700	624	616	670	688	860	770
Hardness, Calcium Carbonate	mg/l	--	--	344	363	385	412	482	388	430	392	357	401	378	313	331	351	344	334	355	315
Nitrogen, Total Kieldahl	mg/l	--	--	1.58	2.32	1.67	1.45	4.1	3.18	2.32	2.65	2.4	1.9	1.6	3.5	1.41	3.0	1.61	3.8	2.17	3.95
pH																					
pH (Field)	-	--	--	6.8	7.0	6.99	7.0	6.79	7.2	7.3	7.4	7.4	7.63	7.5	7.3	7.6	7.5	6.43	6.59	7.3	7.03
Temperature (Field)	deg c	--	15	11	10	12.4	13	9.7	11	13	14	11	11.1	10	10	12	13	9.1	11.2	10.2	11.1
Total Dissolved Solids	mg/l	--	500	465	574	504	555	623	590	584	515	521	534	524	473	410	489	474	484	531	450
Total Organic Carbon	mg/l	--	--	4.2	9.0	5.5	6.9	9.3	8.3	6.8	5.5	7.0	6.4	5.4	4.7	4.7	5.3	4.5	5.3	5.7	4.6
Metals																					
Boron, dissolved	mg/l	5	--	0.28	0.56	0.34	0.46	0.52	0.64	0.47	0.28	0.39	0.49	0.39	0.30	0.30	0.35	0.31	0.35	0.54	0.28
Calcium, dissolved	mg/l	--	--	98	104	108	117	137	111	121	111	100	116	110	89	93	101	98	99	101	90
Iron, dissolved	mg/l	--	0.3	1.43	3.96	3.36	1.89	8.24	5.15	5.34	4.67	3.49	4.32	2.67	3.37	2.87	3.96	1.66	3.75	3.91	3.9
Magnesium, dissolved	mg/l	--	--	24	25	28	29	34	27	31	28	26	27	25	22	24	24	24	21	25	22
Potassium, dissolved	mg/l	--	--	4	5	4	5	6	5	5	5	3	5	4	5	4	4	4	5	4	5
Sodium, dissolved	mg/l	--	200 [3]	31	49	34	54	33	52	41	32	37	38	40	28	21	30	24	31	55	21
Strontium, dissolved	mg/l	--	--	0.989	1.34	1.07	1.29	1.35	1.23	1.35	1.13	1.07	1.38	1.28	1.17	0.948	1.51	0.892	1.21	1.59	1.09
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	<0.001	0.002	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	0.004	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-6 05-Jun-2013 S-27	93-6 23-May-2014 [9] 93-6	93-6 03-Jun-2015 93-6	93-6 24-May-2016 S-25	93-6 06-Jun-2017 93-6	93-6 29-May-2018 93-6	93-6 05-Jun-2019 93-6	93-6 22-May-2020 93-6	93-6 23-Jun-2021 93-6
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	359	431	418	490	372	363	449	549	573
Ammonia Nitrogen	mg/l	--	--	0.16	0.49	0.54	0.768	0.24	0.38	0.098	0.128	0.065
Chemical Oxygen Demand	mg/l	--	--	15	16	29	16	12	9	15	<5	<5
Chloride	mg/l	--	250	4	4	6	7	3	4	7	8	8
Conductivity	uS/cm	--	--	719	803	812	879	697	655	720	999	1080
Conductivity (Field)	uS/cm	--	--	705	442	365	411	425	490	580	430	450
Hardness, Calcium Carbonate	mg/l	--	--	413	462	462	514	411	397	454	558	646
Nitrogen, Total Kjeldahl	mg/l	--	--	0.34	0.74	0.71	0.95	0.9	1.3	0.68	0.698	0.523
pH	-	--	--	--	--	--	--	--	--	8.04	--	
pH (Field)	-	--	--	6.7	7.64	7.6	7.6	7.7	7.3	7.5	7.7	7.8
Temperature (Field)	deg c	--	15	13	10.6	12	12	10	10	10	9	14.6
Total Dissolved Solids	mg/l	--	500	467	522	528	571	453	426	468	649	702
Total Organic Carbon	mg/l	--	--	3.3	4.0	4.6	3.9	3.5	2.7	3.6	4.7	3.6
Metals												
Boron, dissolved	mg/l	5	--	0.02	0.04	0.05	0.08	0.03	0.04	0.03	0.07	0.1
Calcium, dissolved	mg/l	--	--	116	134	134	158	120	121	129	169	191
Iron, dissolved	mg/l	--	0.3	0.17	0.24	0.22	0.15	0.21	<0.03	0.08	0.34	0.08
Magnesium, dissolved	mg/l	--	--	30	31	31	29	27	23	32	33	41
Potassium, dissolved	mg/l	--	--	2	2	2	4	2	3	2	3	4
Sodium, dissolved	mg/l	--	200 [3]	5	6	6	9	4	5	5	8	13
Strontium, dissolved	mg/l	--	--	0.181	0.255	0.244	0.339	0.208	0.236	0.216	0.309	0.35
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.002	<0.002	<0.001	0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-7 05-Jun-2013 S-28	93-7 23-May-2014 93-7	93-7 03-Jun-2015 93-7	93-7 24-May-2016 S-26	93-7 06-Jun-2017 93-7	93-7 29-May-2018 93-7	93-7 05-Jun-2019 93-7	93-7 22-May-2020 93-7	93-7 23-Jun-2021 93-7	93-7 14-Sept-2021 93-7
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	269	259	324	294	255	250	322	273	No Sample	500
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	<0.05	<0.025	0.13	0.09	0.011	<0.010	--	<0.010
Chemical Oxygen Demand	mg/l	--	--	14	7	22	8	12	<5	15	<5	--	13
Chloride	mg/l	--	250	2	2	3	2	1	2	6	2	--	4
Conductivity	uS/cm	--	--	510	473	591	498	454	389	515	504	--	888
Conductivity (Field)	uS/cm	--	--	470	380	450	465	440	525	566	445	--	980
Hardness, Calcium Carbonate	mg/l	--	--	298	274	349	305	273	347	329	279	--	513
Nitrogen, Total Kjeldahl	mg/l	--	--	0.13	<0.10	0.24	0.32	1.3	<0.8	0.50	0.193	--	0.775
pH	-	--	--	--	--	--	--	--	--	8.13	--	--	--
pH (Field)	-	--	--	7.2	7.62	7.7	7.8	7.6	7.3	7.5	7.6	--	7.6
Temperature (Field)	deg c	--	15	12	10.1	11	12	11	10	10	8	--	17.6
Total Dissolved Solids	mg/l	--	500	332	307	384	324	295	253	335	328	--	577
Total Organic Carbon	mg/l	--	--	2.5	2.0	2.2	1.3	6.1	1.2	1.2	1.9	--	2.8
Metals													
Boron, dissolved	mg/l	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	0.02
Calcium, dissolved	mg/l	--	--	73	70	87	76	68	86	89	72	--	136
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	--	0.03
Magnesium, dissolved	mg/l	--	--	28	24	32	28	25	32	26	24	--	42
Potassium, dissolved	mg/l	--	--	<1	<1	<1	<1	<1	<1	<1	<1	--	<1
Sodium, dissolved	mg/l	--	200 [3]	<2	<2	<2	<2	<2	<2	4	<2	--	7
Strontium, dissolved	mg/l	--	--	0.042	0.050	0.052	0.053	0.042	0.052	0.066	0.056	--	0.14
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-8D 06-Jun-2013 S-44	93-8D 05-Sep-2013 B-7	93-8D 17-Jun-2014 93-8D	93-8D 03-Sep-2014 [6] S - 7	93-8D 28-May-2015 93-8D	93-8D 16-Sep-2015 93-8D	93-8D 26-May-2016 S-49	93-8D 08-Sep-2016 93-8D	93-8D 08-Jun-2017 93-8D	93-8D 28-Aug-2017 93-8D	93-8D 30-May-2018 93-8D	93-8D 12-Sep-2018 93-8D	93-8D 10-Jun-2019 93-8D	93-8D 19-Sep-2019 93-8D	93-8D 27-May-2020 93-8D	93-8D 15-Sep-2020 93-8D	93-8D 24-Jun-2021 93-8D	93-8D 14-Sept-2021 93-8D
General Chemistry																						
Alkalinity (Total as CaCO3)	mg/l	--	--	242	243	240	231	241	260	257	255	244	241	260	259	253	251	293	244	247	261
Ammonia Nitrogen	mg/l	--	--	0.10	0.13	0.15	0.05	0.06	0.08	0.036	0.062	0.20	0.15	0.13	0.11	0.094	0.13	0.083	0.08	0.062	0.072
Chemical Oxygen Demand	mg/l	--	--	16	<5	8	<5	6	11	15	12	8	<5	<5	<5	<5	<5	<5	<5	<5	7
Chloride	mg/l	--	250	602	611	563	605	599	576	603	599	636	591	622	682	632	649	685	676	670	680
Conductivity	uS/cm	--	--	2500	2500	2390	2380	2520	2550	2500	2490	2550	2560	2530	2560	2250	2620	2730	2680	2640	2900
Conductivity (Field)	uS/cm	--	--	2210	2185	2306	2150	2457	2075	2150	2010	2004	1844	1890	1610	1795	1735	2370	2105	2988	3007
Hardness, Calcium Carbonate	mg/l	--	--	589	538	628	635	649	600	591	600	544	657	--	565	621	611	651	613	632	733
Nitrogen, Total Kieldahl	mg/l	--	--	0.10	0.19	0.24	0.11	<0.8	0.29	0.22	0.27	<0.8	<0.8	<0.8	1.0	0.17	0.2	0.342	<0.1	0.1	0.566
pH																						
pH (Field)	-	--	--	7.6	7.7	7.83	7.7	7.54	7.8	7.8	7.8	7.7	7.96	7.7	7.6	7.6	7.5	7.15	7.21	7.8	7.6
Temperature (Field)	deg c	--	15	14	10	12.0	12	11.0	11	11	13	10	10.9	9	11	10	10	17.2	13	10.5	12.6
Total Dissolved Solids	mg/l	--	500	1620	1620	1550	1550	1640	1660	1620	1620	1660	1660	1640	1660	1460	1700	1770	1740	1720	1880
Total Organic Carbon	mg/l	--	--	2.0	2.4	2.3	2.2	2.3	2.0	1.8	1.9	2.7	2.3	1.9	1.8	5.9	2.2	2.0	2.0	1.7	2.3
Metals																						
Boron, dissolved	mg/l	5	--	0.59	0.70	0.93	0.84	0.73	0.91	0.84	0.81	0.82	0.92	0.80	0.80	0.86	0.86	0.91	0.83	0.81	0.77
Calcium, dissolved	mg/l	--	--	142	128	154	152	156	143	141	143	129	161	149	134	153	149	160	153	151	175
Iron, dissolved	mg/l	--	0.3	1.26	1.47	0.56	0.23	0.55	1.19	0.47	0.52	1.58	0.66	0.65	0.55	2.09	1.23	0.53	1.16	1.61	0.85
Magnesium, dissolved	mg/l	--	--	57	53	59	62	63	59	58	59	54	62	56	56	58	58	61	56	62	72
Potassium, dissolved	mg/l	--	--	5	5	5	5	5	5	5	5	5	5	5	5	6	6	5	6	5	5
Sodium, dissolved	mg/l	--	200 [3]	300	291	215	233	226	248	249	322	242	310	273	336	278	278	250	316	319	291
Strontium, dissolved	mg/l	--	--	6.01	6.33	6.51	6.63	7.28	5.77	6.48	6.84	6.59	6.45	6.60	6.88	7.40	7.06	8.50	7.45	7.79	8.61
Phenols																						
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	0.04	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-8M 06-Jun-2013 S-45	93-8M 06-Sep-2013 S-9	93-8M 17-Jun-2014 93-8M	93-8M 03-Sep-2014 S - 8	93-8M 28-May-2015 93-8M	93-8M 16-Sep-2015 93-8M	93-8M 26-May-2016 S-50	93-8M 08-Sep-2016 93-8M	93-8M 08-Jun-2017 93-8M	93-8M 28-Aug-2017 93-8M	93-8M 30-May-2018 93-8M	93-8M 12-Sep-2018 93-8M	93-8M 10-Jun-2019 93-8M	93-8M 19-Sep-2019 93-8M	93-8M 27-May-2020 93-8M	93-8M 15-Sep-2020 93-8M	93-8M 24-Jun-2021 93-8M	93-8M 14-Sept-2021 93-8M
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	264	--	272	--	262	--	292	--	271	--	273	--	272	--	339	--	284	--
Ammonia Nitrogen	mg/l	--	--	0.06	--	0.09	--	0.06	--	0.047	--	0.19	--	0.16	--	0.084	--	0.080	--	0.121	--
Chemical Oxygen Demand	mg/l	--	--	15	--	6	--	<5	--	16	--	9	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	501	--	468	--	557	--	577	--	515	--	511	--	488	--	687	--	700	--
Conductivity	uS/cm	--	--	2190	--	2100	--	2380	--	2450	--	2150	--	2160	--	1840	--	2680	--	2750	--
Conductivity (Field)	uS/cm	--	--	2180	2095	2015	2020	2394	2040	1841	1870	1770	2024	1790	1720	1715	1688	2259	1988	2996	3260
Hardness, Calcium Carbonate	mg/l	--	--	559	--	571	--	635	--	644	--	525	--	553	--	576	--	650	--	686	--
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	--	0.16	--	<0.8	--	0.19	--	<0.8	--	<0.8	--	0.27	--	0.349	--	0.257	--
pH																					
pH (Field)	-	--	--	7.2	7.3	7.38	7.4	7.28	7.5	7.4	7.5	7.4	7.85	7.4	7.4	7.5	7.5	7.14	7.11	7.5	7.3
Temperature (Field)	deg c	--	15	12	10	11.5	14	10.2	12	12	14	11	10.6	10	11	11	12	14.2	13.1	9.5	11
Total Dissolved Solids	mg/l	--	500	1420	--	1360	--	1550	--	1590	--	1400	--	1400	--	1200	--	1740	--	1790	--
Total Organic Carbon	mg/l	--	--	2.3	--	2.5	--	2.6	--	1.9	--	3.4	--	2.2	--	2.7	--	2.2	--	1.9	--
Metals																					
Boron, dissolved	mg/l	5	--	0.11	--	0.14	--	0.14	--	0.14	--	0.18	--	0.16	--	0.27	--	0.19	--	0.17	--
Calcium, dissolved	mg/l	--	--	148	--	153	--	167	--	169	--	136	--	149	--	155	--	173	--	179	--
Iron, dissolved	mg/l	--	0.3	0.43	--	0.17	--	0.18	--	0.50	--	0.36	--	0.41	--	0.41	--	0.34	--	0.58	--
Magnesium, dissolved	mg/l	--	--	46	--	46	--	53	--	54	--	45	--	44	--	46	--	53	--	58	--
Potassium, dissolved	mg/l	--	--	4	--	4	--	4	--	4	--	3	--	4	--	4	--	4	--	4	--
Sodium, dissolved	mg/l	--	200 [3]	240	--	223	--	242	--	226	--	217	--	233	--	211	--	262	--	317	--
Strontium, dissolved	mg/l	--	--	1.52	--	1.37	--	1.77	--	1.69	--	1.68	--	1.62	--	1.85	--	2.02	--	2.14	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.002	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-8S 06-Jun-2013 S-46	93-8S 06-Sep-2013 S-10	93-8S 17-Jun-2014 93-8S	93-8S 03-Sep-2014 S - 9	93-8S 28-May-2015 93-8S	93-8S 16-Sep-2015 93-8S	93-8S 26-May-2016 S-51	93-8S 08-Sep-2016 93-8S	93-8S 08-Jun-2017 93-8S	93-8S 28-Aug-2017 93-8S	93-8S 30-May-2018 93-8S	93-8S 12-Sep-2018 93-8S	93-8S 10-Jun-2019 93-8S	93-8S 19-Sep-2019 93-8S	93-8S 27-May-2020 93-8S	93-8S 15-Sep-2020 93-8S	93-8S 24-Jun-2021 93-8S	93-8S 14-Sept-2021 93-8S
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	312	--	333	--	323	--	336	--	319	--	306	--	318	--	357	--	277	--
Ammonia Nitrogen	mg/l	--	--	<0.02	--	0.03	--	<0.02	--	<0.025	--	<0.05	--	0.12	--	<0.010	--	0.014	--	0.011	--
Chemical Oxygen Demand	mg/l	--	--	16	--	<5	--	<5	--	14	--	9	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	481	--	305	--	553	--	532	--	278	--	410	--	496	--	645	--	820	--
Conductivity	uS/cm	--	--	2190	--	1690	--	2470	--	2330	--	2280	--	1920	--	2000	--	2630	--	3020	--
Conductivity (Field)	uS/cm	--	--	2010	2000	1474	1980	2921	1890	1440	1350	1440	1816	1390	1340	1380	1245	1857	1777	2999	3080
Hardness, Calcium Carbonate	mg/l	--	--	594	--	494	--	651	--	589	--	562	--	479	--	602	--	604	--	711	--
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	--	0.16	--	<0.8	--	0.14	--	<0.8	--	<0.8	--	0.15	--	0.187	--	0.16	--
pH																					
pH (Field)	-	--	--	7.8	7.8	7.41	7.9	7.17	7.7	7.6	7.6	7.5	7.88	7.5	7.5	7.4	7.4	7.27	7.21	7.3	7.2
Temperature (Field)	deg c	--	15	11	9	12.0	12	10.0	12	13	15	12	11.0	11	12	11	13	11.4	11.8	9.5	11.4
Total Dissolved Solids	mg/l	--	500	1420	--	1100	--	1610	--	1510	--	1480	--	1250	--	1300	--	1710	--	1960	--
Total Organic Carbon	mg/l	--	--	1.8	--	2.2	--	2.1	--	1.5	--	2.8	--	1.7	--	3.5	--	1.8	--	1.5	--
Metals																					
Boron, dissolved	mg/l	5	--	0.08	--	0.12	--	0.06	--	0.05	--	0.12	--	0.11	--	0.12	--	0.07	--	0.08	--
Calcium, dissolved	mg/l	--	--	152	--	127	--	165	--	150	--	141	--	126	--	157	--	156	--	179	--
Iron, dissolved	mg/l	--	0.3	0.67	--	0.16	--	0.52	--	0.58	--	0.31	--	0.41	--	0.44	--	0.04	--	0.96	--
Magnesium, dissolved	mg/l	--	--	52	--	43	--	58	--	52	--	51	--	40	--	51	--	52	--	64	--
Potassium, dissolved	mg/l	--	--	3	--	3	--	4	--	3	--	3	--	3	--	3	--	4	--	4	--
Sodium, dissolved	mg/l	--	200 [3]	231	--	174	--	225	--	230	--	237	--	194	--	229	--	281	--	362	--
Strontium, dissolved	mg/l	--	--	1.23	--	0.923	--	1.25	--	1.14	--	1.15	--	1.26	--	1.28	--	1.18	--	1.65	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.002	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-3D 04-Jun-2013 S-17	98-3D 29-May-2014 98-3D	98-3D 27-May-2015 98-3D	98-3D 25-May-2016 S-36	98-3D 09-Jun-2017 98-3D	98-3D 01-Jun-2018 98-3D	98-3D 10-Jun-2019 98-3D	98-3D 23-May-2020 98-5D	98-3D 24-Jun-2021 98-5D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	375	353	387	388	375	298	329	319	318
Ammonia Nitrogen	mg/l	--	--	4.12	2.44	3.92	2.89	1.84	1.29	3.15	1.57	1.67
Chemical Oxygen Demand	mg/l	--	--	25	11	23	18	21	5	<5	26	12
Chloride	mg/l	--	250	13	7	9	9	10	4	8	3	4
Conductivity	uS/cm	--	--	764	686	743	712	702	571	543	609	604
Conductivity (Field)	uS/cm	--	--	840	530	604	760	710	685	660	675	620
Hardness, Calcium Carbonate	mg/l	--	--	375	369	412	366	364	280	335	304	320
Nitrogen, Total Kjeldahl	mg/l	--	--	4.95	2.48	4.95	3.51	4.2	2.3	3.57	2.01	2.04
pH												
pH (Field)	-	--	--	6.6	7.38	7.43	7.2	7.6	7.6	7.6	7.5	7.1
Temperature (Field)	deg c	--	15	12	11.9	11.6	11	12	11	10	8	10.8
Total Dissolved Solids	mg/l	--	500	497	446	483	463	456	371	353	396	393
Total Organic Carbon	mg/l	--	--	7.8	6.6	8.7	6.5	7.8	5.9	6.1	5.6	5.2
Metals												
Boron, dissolved	mg/l	5	--	0.22	0.16	0.24	0.21	0.20	0.15	0.16	0.13	0.14
Calcium, dissolved	mg/l	--	--	109	110	119	107	108	84	101	92	95
Iron, dissolved	mg/l	--	0.3	7.26	5.60	7.02	6.83	9.06	5.70	8.24	4.05	5.32
Magnesium, dissolved	mg/l	--	--	25	23	28	24	23	17	20	18	20
Potassium, dissolved	mg/l	--	--	6	4	6	5	5	4	4	3	4
Sodium, dissolved	mg/l	--	200 [3]	13	9	14	10	10	8	9	8	8
Strontium, dissolved	mg/l	--	--	0.340	0.274	0.283	0.280	0.327	0.200	0.317	0.259	0.26
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-3M 04-Jun-2013 S-18	98-3M 29-May-2014 98-3M	98-3M 27-May-2015 98-3M	98-3M 25-May-2016 S-37	98-3M 09-Jun-2017 98-3M	98-3M 01-Jun-2018 98-3M	98-3M 10-Jun-2019 98-3M	98-3M 23-May-2020 98-5M	98-3M 24-Jun-2021 98-5M
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	356	302	323	432	307	305	284	278	303
Ammonia Nitrogen	mg/l	--	--	0.07	0.03	0.03	0.034	0.19	0.12	<0.010	<0.010	0.076
Chemical Oxygen Demand	mg/l	--	--	7	<5	7	9	<5	<5	10	12	<5
Chloride	mg/l	--	250	8	4	6	9	5	3	6	2	4
Conductivity	uS/cm	--	--	715	597	640	781	591	554	500	545	582
Conductivity (Field)	uS/cm	--	--	709	510	604	700	720	735	738	718	230
Hardness, Calcium Carbonate	mg/l	--	--	354	331	363	371	319	267	308	281	306
Nitrogen, Total Kjeldahl	mg/l	--	--	0.21	<0.10	0.26	0.53	<0.8	<0.8	0.23	0.274	0.18
pH												
pH (Field)	-	--	--	7.2	7.31	7.36	7.51	7.6	7.6	7.5	7.6	7.5
Temperature (Field)	deg c	--	15	13	12.2	11.9	12	12	11	12	9	10.3
Total Dissolved Solids	mg/l	--	500	465	388	416	508	384	360	325	354	378
Total Organic Carbon	mg/l	--	--	3.1	1.9	2.6	3.3	4.5	1.7	1.6	1.5	1.4
Metals												
Boron, dissolved	mg/l	5	--	0.50	0.21	0.43	0.86	0.22	0.15	0.10	0.10	0.29
Calcium, dissolved	mg/l	--	--	102	98	104	104	93	79	92	83	88
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	0.06	<0.03	<0.03	<0.03	0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	24	21	25	27	21	17	19	18	21
Potassium, dissolved	mg/l	--	--	2	2	2	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [3]	24	12	22	41	11	11	8	9	15
Strontium, dissolved	mg/l	--	--	1.40	0.963	1.10	1.48	1.01	0.758	0.923	0.845	0.92
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-3S 04-Jun-2013 S-19	98-3S 29-May-2014 98-3S	98-3S 27-May-2015 98-3S	98-3S 25-May-2016 S-38	98-3S 09-Jun-2017 98-3S	98-3S 01-Jun-2018 98-3S	98-3S 10-Jun-2019 98-3S	98-3S 23-May-2020 98-5S	98-3S 24-Jun-2021 98-5S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	221	262	246	283	229	244	260	253	261
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	<0.02	<0.025	0.15	0.12	<0.010	<0.010	<0.010
Chemical Oxygen Demand	mg/l	--	--	7	<5	5	6	<5	<5	<5	<5	<5
Chloride	mg/l	--	250	4	2	4	5	3	4	5	3	4
Conductivity	uS/cm	--	--	440	488	474	490	424	448	420	444	481
Conductivity (Field)	uS/cm	--	--	541	501	605	420	520	510	519	539	520
Hardness, Calcium Carbonate	mg/l	--	--	240	287	295	277	242	231	266	241	268
Nitrogen, Total Kjeldahl	mg/l	--	--	0.12	<0.10	0.18	0.40	1.0	<0.8	0.22	0.190	0.17
pH												
pH (Field)	-	--	--	7.1	7.32	7.40	7.5	7.5	7.6	7.5	7.5	7.6
Temperature (Field)	deg c	--	15	12	12.6	13.1	13	13	11	12	10	11
Total Dissolved Solids	mg/l	--	500	286	317	308	318	276	291	273	289	313
Total Organic Carbon	mg/l	--	--	1.4	2.0	1.5	0.9	3.2	1.6	2.5	1.3	1.1
Metals												
Boron, dissolved	mg/l	5	--	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.01	0.06
Calcium, dissolved	mg/l	--	--	63	77	77	73	64	63	72	65	71
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.04
Magnesium, dissolved	mg/l	--	--	20	23	25	23	20	18	21	19	22
Potassium, dissolved	mg/l	--	--	<1	<1	1	<1	<1	<1	<1	1	<1
Sodium, dissolved	mg/l	--	200 [3]	2	<2	2	3	2	2	2	2	3
Strontium, dissolved	mg/l	--	--	0.090	0.088	0.084	0.113	0.085	0.084	0.103	0.090	0.1
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-5D 04-Jun-2013 S-20	98-5D 29-May-2014 98-5D	98-5D 28-May-2015 [10] 98-5D	98-5D 25-May-2016 S-33	98-5D 08-Jun-2017 98-5D	98-5D 01-Jun-2018 98-5D	98-5D 07-Jun-2019 98-5D	98-5D 23-May-2020 98-3D	98-5D 25-Jun-2021 98-3D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	323	334	314	358	370	334	348	344	346
Ammonia Nitrogen	mg/l	--	--	0.04	0.08	0.06	0.044	0.19	0.17	0.07	0.157	0.014
Chemical Oxygen Demand	mg/l	--	--	<5	<5	10	6	15	<5	<5	8	<5
Chloride	mg/l	--	250	24	22	20	21	23	18	19	15	15
Conductivity	uS/cm	--	--	696	692	656	697	715	671	596	657	671
Conductivity (Field)	uS/cm	--	--	630	651	650	590	605	620	690	695	690
Hardness, Calcium Carbonate	mg/l	--	--	375	383	348	373	358	326	334	340	363
Nitrogen, Total Kjeldahl	mg/l	--	--	0.14	0.14	<0.8	0.23	<0.8	<0.8	0.38	0.364	0.213
pH												
pH (Field)	-	--	--	7.3	7.47	6.53	7.40	7.4	7.2	7.3	7.4	7.6
Temperature (Field)	deg c	--	15	11	11.1	11.3	11	10	10	12	10	10.4
Total Dissolved Solids	mg/l	--	500	452	450	426	453	465	436	387	427	436
Total Organic Carbon	mg/l	--	--	3.1	3.6	3.9	3.4	4.9	3.6	3.4	3.4	2.6
Metals												
Boron, dissolved	mg/l	5	--	0.11	0.12	0.12	0.14	0.14	0.13	0.13	0.12	0.12
Calcium, dissolved	mg/l	--	--	109	114	103	108	102	96	96	100	101
Iron, dissolved	mg/l	--	0.3	0.09	0.10	0.18	0.10	0.05	0.10	0.14	0.14	0.05
Magnesium, dissolved	mg/l	--	--	25	24	22	25	25	21	23	22	27
Potassium, dissolved	mg/l	--	--	2	2	2	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [3]	12	13	11	14	18	11	12	11	13
Strontium, dissolved	mg/l	--	--	0.976	0.957	1.05	1.01	1.10	0.898	1.05	1.05	0.943
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-5M 04-Jun-2013 S-21	98-5M 29-May-2014 98-5M	98-5M 28-May-2015 98-5M	98-5M 25-May-2016 S-35	98-5M 08-Jun-2017 98-5M	98-5M 01-Jun-2018 98-5M	98-5M 07-Jun-2019 98-5M	98-5M 23-May-2020 98-3M	98-5M 25-Jun-2021 98-3M
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	298	310	308	328	290	290	276	278	321
Ammonia Nitrogen	mg/l	--	--	<0.02	<0.02	<0.02	<0.025	0.16	0.11	<0.010	0.025	<0.010
Chemical Oxygen Demand	mg/l	--	--	8	<5	11	9	8	<5	<5	14	<5
Chloride	mg/l	--	250	9	5	7	7	6	4	7	3	3
Conductivity	uS/cm	--	--	622	615	631	614	565	520	492	526	611
Conductivity (Field)	uS/cm	--	--	590	500	595	520	510	530	570	550	340
Hardness, Calcium Carbonate	mg/l	--	--	350	351	354	345	297	271	281	289	340
Nitrogen, Total Kjeldahl	mg/l	--	--	0.18	0.15	1.3	1.45	<0.8	<0.8	0.45	0.401	0.183
pH												
pH (Field)	-	--	--	7.0	7.43	6.64	7.44	7.3	7.3	7.4	7.4	8.5
Temperature (Field)	deg c	--	15	12	11.2	10.9	11	10	11	12	10	10.3
Total Dissolved Solids	mg/l	--	500	404	400	410	399	367	338	320	342	397
Total Organic Carbon	mg/l	--	--	2.8	3.2	3.4	2.7	4.1	2.9	2.9	2.7	2.4
Metals												
Boron, dissolved	mg/l	5	--	0.05	0.04	0.05	0.05	0.04	0.04	0.03	0.03	0.05
Calcium, dissolved	mg/l	--	--	104	106	104	102	86	82	83	86	100
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	22	21	23	22	20	16	18	18	22
Potassium, dissolved	mg/l	--	--	2	1	2	2	1	1	1	1	2
Sodium, dissolved	mg/l	--	200 [3]	5	5	7	5	4	4	4	4	9
Strontium, dissolved	mg/l	--	--	0.152	0.139	0.158	0.157	0.147	0.122	0.136	0.135	0.138
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-5S 04-Jun-2013 S-22	98-5S 29-May-2014 98-5S	98-5S 28-May-2015 98-5S	98-5S 25-May-2016 S-34	98-5S 08-Jun-2017 98-5S	98-5S 01-Jun-2018 98-5S	98-5S 07-Jun-2019 98-5S	98-5S 23-May-2020 98-3S	98-5S 25-Jun-2021 98-3S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	254	292	293	322	278	272	288	278	285
Ammonia Nitrogen	mg/l	--	--	<0.02	0.03	<0.02	<0.025	0.16	0.15	<0.010	0.037	<0.010
Chemical Oxygen Demand	mg/l	--	--	10	5	10	9	8	<5	<5	15	<5
Chloride	mg/l	--	250	12	11	9	8	10	5	11	6	4
Conductivity	uS/cm	--	--	581	644	607	607	572	531	525	543	556
Conductivity (Field)	uS/cm	--	--	575	600	581	535	550	605	580	613	620
Hardness, Calcium Carbonate	mg/l	--	--	318	364	334	342	299	267	306	293	320
Nitrogen, Total Kjeldahl	mg/l	--	--	0.16	0.18	<0.8	1.20	<0.8	0.8	0.50	0.365	0.1
pH												
pH (Field)	-	--	--	7.1	7.35	6.83	7.23	7.3	7.3	7.4	7.5	8.3
Temperature (Field)	deg c	--	15	12	12.9	10.1	12	12	11	12	10	10.1
Total Dissolved Solids	mg/l	--	500	378	419	395	395	372	345	341	353	361
Total Organic Carbon	mg/l	--	--	2.4	2.8	2.4	2.3	2.4	2.1	2.5	2.2	2.2
Metals												
Boron, dissolved	mg/l	5	--	0.03	0.03	0.04	0.05	0.04	0.04	0.04	0.04	0.06
Calcium, dissolved	mg/l	--	--	91	106	96	99	85	79	88	86	92
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	22	24	23	23	21	17	21	19	22
Potassium, dissolved	mg/l	--	--	1	<1	<1	1	1	1	1	1	1
Sodium, dissolved	mg/l	--	200 [3]	5	5	4	5	4	4	4	3	5
Strontium, dissolved	mg/l	--	--	0.137	0.145	0.150	0.150	0.145	0.120	0.171	0.151	0.151
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-8M 04-Jun-2013 S-15	98-8M 30-May-2014 98-8M	98-8M 27-May-2015 98-8M	98-8M 14-Jun-2016 S-89	98-8M 09-Jun-2017 98-8M	98-8M 29-May-2018 99-8M	98-8M 06-Jun-2019 98-8M	98-8M 09-Jun-2020 98-8	98-8M 24-Jun-2021 98-8
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	418	424	399	447	448	447	455	445	457
Ammonia Nitrogen	mg/l	--	--	0.03	0.04	<0.02	<0.025	0.20	0.51	0.039	0.037	<0.010
Chemical Oxygen Demand	mg/l	--	--	23	23	19	18	20	15	14	72	13
Chloride	mg/l	--	250	29	28	25	28	35	32	31	29	32
Conductivity	uS/cm	--	--	969	966	901	959	990	957	950	994	1030
Conductivity (Field)	uS/cm	--	--	840	964	1004	660	640	630	630	939	1003
Hardness, Calcium Carbonate	mg/l	--	--	56	60	49	35	46	37	41	48	44
Nitrogen, Total Kjeldahl	mg/l	--	--	0.28	0.18	0.19	0.52	1.1	<0.8	0.30	0.615	0.313
pH												
pH (Field)	-	--	--	8.2	8.16	8.19	7.4	7.5	7.6	7.7	7.01	8.5
Temperature (Field)	deg c	--	15	13	12.4	11.9	11	11	11	12	11.6	10
Total Dissolved Solids	mg/l	--	500	630	628	586	623	644	622	618	646	670
Total Organic Carbon	mg/l	--	--	5.8	5.6	5.9	5.8	7.0	5.3	6.6	5.7	4.6
Metals												
Boron, dissolved	mg/l	5	--	1.7	1.7	1.8	1.6	1.9	1.6	1.6	1.62	2.0
Calcium, dissolved	mg/l	--	--	14	14	13	9	12	10	10	11	11
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.14
Magnesium, dissolved	mg/l	--	--	5	6	4	3	4	3	4	5	4
Potassium, dissolved	mg/l	--	--	2	2	2	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [3]	223	225	220	180	235	236	228	236	248
Strontium, dissolved	mg/l	--	--	0.305	0.334	0.235	0.270	0.246	0.232	0.200	0.199	0.199
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	0.005	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-8S 04-Jun-2013 S-16	98-8S 30-May-2014 98-8S	98-8S 27-May-2015 98-8S	98-8S 14-Jun-2016 S-91	98-8S 09-Jun-2017 98-8S	98-8S 29-May-2018 98-8S	98-8S 06-Jun-2019 98-8S	98-8S 27-May-2020 98-8S	98-8S 24-Jun-2021 98-8S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	285	357	364	203	378	380	366	474	344
Ammonia Nitrogen	mg/l	--	--	0.14	0.46	0.44	0.148	0.50	0.66	0.919	0.414	0.275
Chemical Oxygen Demand	mg/l	--	--	29	17	16	20	18	16	232	10	87
Chloride	mg/l	--	250	23	12	8	20	7	6	10	5	16
Conductivity	uS/cm	--	--	642	687	690	444	725	709	620	731	718
Conductivity (Field)	uS/cm	--	--	720	686	709	670	640	615	665	340	760
Hardness, Calcium Carbonate	mg/l	--	--	144	299	339	7	389	359	287	374	126
Nitrogen, Total Kjeldahl	mg/l	--	--	0.33	0.60	0.57	0.56	1.5	1.0	2.3	0.968	2.79
pH												
pH (Field)	-	--	--	6.9	7.07	7.12	7.7	7.8	7.8	7.6	6.85	8.9
Temperature (Field)	deg c	--	15	11	12.4	11.9	13	11	11	13	13.1	9.9
Total Dissolved Solids	mg/l	--	500	417	447	448	289	471	461	403	475	467
Total Organic Carbon	mg/l	--	--	4.0	5.6	5.3	4.0	4.6	4.1	4.4	4.3	6.4
Metals												
Boron, dissolved	mg/l	5	--	1.3	0.46	0.20	0.86	0.30	0.17	0.18	0.22	0.34
Calcium, dissolved	mg/l	--	--	41	85	96	3	113	106	82	110	34
Iron, dissolved	mg/l	--	0.3	0.77	1.71	2.51	0.03	1.73	2.97	6.54	5.00	3.68
Magnesium, dissolved	mg/l	--	--	10	21	24	<1	26	23	20	24	10
Potassium, dissolved	mg/l	--	--	2	3	3	<1	3	3	1	2	3
Sodium, dissolved	mg/l	--	200 [3]	94	48	45	90	13	25	33	14	133
Strontium, dissolved	mg/l	--	--	0.292	0.650	0.596	0.157	0.690	0.601	0.581	0.703	0.269
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-9D 03-Jun-2013 S-10	98-9D 05-Sep-2013 B-1	98-9D 30-May-2014 98-9D	98-9D 03-Sep-2014 [6] S - 10	98-9D 27-May-2015 98-9D	98-9D 16-Sep-2015 98-9D	98-9D 14-Jun-2016 S-92	98-9D 07-Sep-2016 98-9D	98-9D 09-Jun-2017 99-9D	98-9D 28-Aug-2017 98-9D	98-9D 29-May-2018 98-9D	98-9D 07-Sep-2018 98-9D	98-9D 07-Jun-2019 98-9D	98-9D 17-Sep-2019 98-9D	98-9D 26-May-2020 98-9D	98-9D 15-Sep-2020 98-9D	98-9D 25-Jun-2021 98-9D	98-9D 14-Sept-2021 98-9D
General Chemistry																						
Alkalinity (Total as CaCO3)	mg/l	--	--	401	413	436	428	433	452	466	454	460	448	468	464	485	466	525	478	425	499
Ammonia Nitrogen	mg/l	--	--	0.11	0.10	0.10	0.14	0.09	0.080	0.109	0.106	0.24	0.18	0.17	0.11	0.09	0.13	0.137	0.15	0.436	0.082
Chemical Oxygen Demand	mg/l	--	--	17	24	21	12	17	29	23	25	19	19	20	21	<5	9	19	13	<5	13
Chloride	mg/l	--	250	33	34	29	32	29	29	29	27	32	27	26	24	26	25	21	22	8	21
Conductivity	uS/cm	--	--	911	907	917	907	906	939	910	904	930	912	918	928	690	948	943	950	783	933
Conductivity (Field)	uS/cm	--	--	855	840	886	845	905	805	618	635	618	844	630	620	635	595	888	894	840	1003
Hardness, Calcium Carbonate	mg/l	--	--	58	58	79	79	97	79	56	79	359	81	81	88	79	90	93	84	373	88
Nitrogen, Total Kieldahl	mg/l	--	--	0.51	0.42	0.46	0.50	0.54	0.58	0.52	0.52	1.1	<0.8	1.5	<0.8	0.47	0.5	0.536	0.4	0.7	1.07
pH																						
pH (Field)	-	--	--	8.0	8.0	7.96	7.8	8.01	7.8	7.6	7.7	7.6	7.00	7.6	7.6	7.6	7.5	7.57	7.61	8.1	8.14
Temperature (Field)	deg c	--	15	10	9	12.8	13	12.7	12	11	12	11	11.2	11.5	12	11	10	11.2	12.1	9.8	10.7
Total Dissolved Solids	mg/l	--	500	592	590	596	590	589	610	592	588	604	593	597	603	448	616	613	618	509	606
Total Organic Carbon	mg/l	--	--	7.9	9.1	9.0	8.6	10.1	8.7	8.1	8.8	9.2	8.8	7.1	8.6	8.6	8.2	8.2	7.9	3.2	8.1
Metals																						
Boron, dissolved	mg/l	5	--	1.5	1.7	1.7	1.6	1.7	1.6	1.5	1.6	1.8	1.8	1.6	1.7	1.6	1.7	1.96	1.8	0.35	2
Calcium, dissolved	mg/l	--	--	15	15	20	20	24	20	14	20	96	21	21	22	20	23	24	22	100	22
Iron, dissolved	mg/l	--	0.3	<0.03	0.04	0.06	0.05	0.06	0.05	0.04	0.04	0.04	0.05	0.07	0.06	0.07	0.06	0.07	0.06	0.27	0.07
Magnesium, dissolved	mg/l	--	--	5	5	7	7	9	7	5	7	29	7	7	8	7	8	8	7	30	8
Potassium, dissolved	mg/l	--	--	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	4	2
Sodium, dissolved	mg/l	--	200 [3]	205	187	202	221	210	215	182	223	12	208	210	212	191	192	192	198	41	204
Strontium, dissolved	mg/l	--	--	0.550	0.618	0.850	0.611	0.791	0.551	0.632	0.709	0.618	0.621	0.653	0.785	0.812	0.819	1.08	0.791	1.25	0.874
Phenols																						
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	0.004	0.002	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.004	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-9M 03-Jun-2013 S-11	98-9M 05-Sep-2013 B-2	98-9M 30-May-2014 98-9M	98-9M 03-Sep-2014 [B] S - 11	98-9M 27-May-2015 98-9M	98-9M 16-Sep-2015 98-9M	98-9M 14-Jun-2016 S-93	98-9M 07-Sep-2016 98-9M	98-9M 09-Jun-2017 98-9M	98-9M 28-Aug-2017 98-9M	98-9M 29-May-2018 98-9M	98-9M 07-Sep-2018 98-9M	98-9M 07-Jun-2019 98-9M	98-9M 17-Sep-2019 98-9M	98-9M 26-May-2020 98-9M	98-9M 15-Sep-2020 98-9M	98-9M 25-Jun-2021 98-9M	98-9M 14-Sept-2021 98-9M
General Chemistry																						
Alkalinity (Total as CaCO3)	mg/l	--	--	399	409	403	382	388	408	410	408	438	395	402	395	425	412	473	409	431	428
Ammonia Nitrogen	mg/l	--	--	0.67	0.67	0.20	0.51	0.31	0.508	0.399	0.408	0.43	0.17	0.37	0.29	0.40	0.48	0.325	0.46	0.412	0.25
Chemical Oxygen Demand	mg/l	--	--	13	16	9	<5	11	14	15	17	13	<5	8	7	<5	10	10	9	<5	14
Chloride	mg/l	--	250	10	11	10	9	10	11	10	9	12	9	10	10	12	12	9	8	8	10
Conductivity	uS/cm	--	--	793	789	767	752	752	763	748	750	789	760	761	767	721	811	795	784	791	772
Conductivity (Field)	uS/cm	--	--	740	750	755	730	805	750	532	505	520	670	510	585	615	620	727	750	670	860
Hardness, Calcium Carbonate	mg/l	--	--	391	367	388	406	411	365	296	386	382	382	375	378	353	379	363	362	377	354
Nitrogen, Total Kieldahl	mg/l	--	--	1.00	0.89	0.46	0.70	0.53	0.73	0.78	0.57	1.2	<0.8	<0.8	<0.8	0.68	0.7	0.577	0.7	0.9	0.768
pH																						
pH (Field)	-	--	--	7.3	7.4	7.21	7.4	7.33	7.5	7.7	7.6	7.6	7.70	7.7	7.6	7.7	7.6	6.83	7.03	7.5	7.22
Temperature (Field)	deg c	--	15	11	9	10.8	13	10.9	11	12	13	12	10.8	10	12	11	11	11.2	12.9	10.2	11.2
Total Dissolved Solids	mg/l	--	500	515	513	499	489	489	496	486	488	513	494	495	499	469	527	517	510	514	502
Total Organic Carbon	mg/l	--	--	4.0	4.8	4.3	4.1	4.4	3.9	3.7	4.0	4.1	4.0	3.4	4.1	4.2	4.0	4.1	3.9	3.1	4.3
Metals																						
Boron, dissolved	mg/l	5	--	0.32	0.39	0.35	0.34	0.36	0.40	0.41	0.35	0.41	0.40	0.34	0.37	0.42	0.39	0.38	0.38	0.35	0.39
Calcium, dissolved	mg/l	--	--	107	99	106	110	110	100	79	105	105	105	104	102	95	104	99	102	100	94
Iron, dissolved	mg/l	--	0.3	0.13	0.09	<0.03	0.05	<0.03	0.08	0.10	0.05	0.09	<0.03	0.11	0.03	0.14	0.07	<0.03	0.13	0.28	<0.03
Magnesium, dissolved	mg/l	--	--	30	29	30	32	33	28	24	30	29	29	28	30	28	29	28	26	31	29
Potassium, dissolved	mg/l	--	--	4	4	4	4	4	4	3	4	4	4	4	4	4	3	4	4	4	4
Sodium, dissolved	mg/l	--	200 [3]	32	30	32	35	33	34	29	36	34	37	36	36	37	40	40	37	41	39
Strontium, dissolved	mg/l	--	--	1.32	1.35	1.36	1.26	1.18	1.06	1.28	1.28	1.25	1.30	1.26	1.22	1.34	1.30	1.42	1.31	1.26	1.28
Phenols																						
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	0.003	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-9S 03-Jun-2013 S-12	98-9S 05-Sep-2013 B-3	98-9S 30-May-2014 98-9S	98-9S 03-Sep-2014 [8] S - 12	98-9S 27-May-2015 98-9S	98-9S 16-Sep-2015 98-9S	98-9S 14-Jun-2016 S-94	98-9S 07-Sep-2016 98-9S	98-9S 09-Jun-2017 98-9S	98-9S 28-Aug-2017 98-9S	98-9S 29-May-2018 98-9S	98-9S 07-Sep-2018 98-9S	98-9S 07-Jun-2019 98-9S	98-9S 17-Sep-2019 98-9S	98-9S 26-May-2020 98-9S	98-9S 15-Sep-2020 98-9S	98-9S 25-Jun-2021 98-9S
General Chemistry																				
Alkalinity (Total as CaCO3)	mg/l	--	--	316	314	318	335	325	361	342	253	328	325	325	366	333	355	343	367	335
Ammonia Nitrogen	mg/l	--	--	1.13	1.07	1.33	1.40	1.08	1.44	1.30	1.61	0.82	1.53	0.88	1.24	1.5	1.37	1.01	1.09	1.25
Chemical Oxygen Demand	mg/l	--	--	<5	<5	<5	<5	9	11	7	13	5	<5	<5	5	<5	<5	<5	9	<5
Chloride	mg/l	--	250	8	15	7	7	6	7	6	357	7	6	5	77	7	10	5	5	3
Conductivity	uS/cm	--	--	660	666	642	673	642	694	640	1610	643	653	617	915	557	703	614	700	626
Conductivity (Field)	uS/cm	--	--	640	655	549	650	705	605	629	640	615	593	580	495	518	538	606	701	680
Hardness, Calcium Carbonate	mg/l	--	--	354	335	356	401	381	372	359	473	353	365	342	462	322	383	332	371	345
Nitrogen, Total Kjeldahl	mg/l	--	--	1.39	1.17	1.40	1.57	2.02	1.40	1.28	2.67	2.1	1.5	1.3	2.0	1.72	1.6	1.38	1.3	1.35
pH																				
pH (Field)	-	--	--	7.3	7.4	7.25	7.4	7.30	7.6	7.6	7.7	7.6	7.73	7.7	7.7	7.5	7.6	7.52	7.66	10.2
Temperature (Field)	deg c	--	15	12	10	11.7	14	11.8	12	13	14	12	10.7	11	13	11	12	10.5	13.1	8.3
Total Dissolved Solids	mg/l	--	500	429	433	417	437	417	451	416	1050	418	424	401	595	362	457	399	455	407
Total Organic Carbon	mg/l	--	--	1.7	2.2	2.3	2.3	2.6	1.9	2.0	3.1	3.2	2.1	1.6	3.1	1.9	2.4	1.8	2.3	1.7
Metals																				
Boron, dissolved	mg/l	5	--	0.05	0.05	0.06	0.06	0.06	0.07	0.08	0.14	0.06	0.06	0.05	0.16	0.05	0.07	0.06	0.09	0.07
Calcium, dissolved	mg/l	--	--	94	88	93	106	100	98	96	130	95	100	94	124	86	104	90	104	92
Iron, dissolved	mg/l	--	0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Magnesium, dissolved	mg/l	--	--	29	28	30	33	32	31	29	36	28	28	26	37	26	30	26	27	28
Potassium, dissolved	mg/l	--	--	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2
Sodium, dissolved	mg/l	--	200 [3]	9	10	9	9	9	9	9	162	8	10	9	18	7	8	7	9	8
Strontium, dissolved	mg/l	--	--	0.226	0.220	0.236	0.232	0.198	0.204	0.230	0.372	0.232	0.258	0.249	0.299	0.243	0.290	0.262	0.293	0.233
Phenols																				
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-1D 11-Jun-2013 B - 27	99-1D 06-Sep-2013 S-11	99-1D 29-May-2014 99-1D	99-1D 02-Sep-2014 B-1	99-1D 02-Jun-2015 99-1d	99-1D 16-Sep-2015 99-1D	99-1D 26-May-2016 S-59	99-1D 07-Sep-2016 99-1D	99-1D 07-Jun-2017 99-1D	99-1D 29-Aug-2017 99-1D	99-1D 06-Jun-2018 99-1D	99-1D 12-Sep-2018 99-1D	99-1D 13-Jun-2019 99-1D	99-1D 17-Sep-2019 99-1D	99-1D 11-Jun-2020 99-1D	99-1D 17-Sep-2020 99-1D	99-1D 23-Jun-2021 99-1D	99-1D 14-Sept-2021 99-1D
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	271	--	282	--	277	--	286	--	278	--	269	--	280	--	293	--	271	--
Ammonia Nitrogen	mg/l	--	--	0.18	--	0.05	--	<0.05	--	0.139	--	0.17	--	0.08	--	0.063	--	0.029	--	0.012	--
Chemical Oxygen Demand	mg/l	--	--	<5	--	<5	--	20	--	8	--	<5	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	60	--	60	--	62	--	57	--	56	--	52	--	52	--	43	--	48	--
Conductivity	uS/cm	--	--	894	--	896	--	894	--	867	--	855	--	830	--	846	--	825	--	797	--
Conductivity (Field)	uS/cm	--	--	852	850	804	840	810	815	815	790	696	645	770	750	735	705	811	844	788	840
Hardness, Calcium Carbonate	mg/l	--	--	395	--	425	--	414	--	405	--	415	--	385	--	376	--	360	--	376	--
Nitrogen, Total Kjeldahl	mg/l	--	--	0.45	--	<0.10	--	0.10	--	0.14	--	<0.8	--	<0.8	--	<0.15	--	0.651	--	<0.100	--
pH (Field)	-	--	--	7.4	7.6	7.47	7.6	7.7	7.8	7.6	7.7	7.07	8.04	7.8	7.4	7.6	7.7	7.18	7.28	7.9	7.64
Temperature (Field)	deg c	--	15	12	10	11.9	14	13	12	12	13	17.0	11.1	10	11	11	10	12.7	13.6	10.6	10.4
Total Dissolved Solids	mg/l	--	500	581	--	582	--	581	--	564	--	556	--	540	--	550	--	536	--	518	--
Total Organic Carbon	mg/l	--	--	1.2	--	1.2	--	1.2	--	0.6	--	2.0	--	<0.5	--	1.1	--	1.0	--	0.8	--
Metals																					
Boron, dissolved	mg/l	5	--	0.08	--	0.10	--	0.09	--	0.09	--	0.09	--	0.08	--	0.09	--	0.08	--	0.08	--
Calcium, dissolved	mg/l	--	--	99	--	109	--	103	--	101	--	105	--	95	--	96	--	88	--	93	--
Iron, dissolved	mg/l	--	0.3	0.44	--	0.11	--	0.32	--	0.41	--	0.12	--	0.40	--	0.34	--	<0.03	--	0.31	--
Magnesium, dissolved	mg/l	--	--	36	--	37	--	38	--	37	--	37	--	36	--	33	--	34	--	35	--
Potassium, dissolved	mg/l	--	--	2	--	2	--	2	--	3	--	2	--	2	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	35	--	37	--	36	--	37	--	36	--	33	--	33	--	33	--	37	--
Strontium, dissolved	mg/l	--	--	0.965	--	1.10	--	1.14	--	1.00	--	1.14	--	1.08	--	1.08	--	1.01	--	1.12	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.002	--	<0.001		<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-1M 11-Jun-2013 B - 28	99-1M 06-Sep-2013 S-12	99-1M 29-May-2014 99-1M	99-1M 02-Sep-2014 B-2	99-1M 02-Jun-2015 99-1m	99-1M 16-Sep-2015 99-1M	99-1M 26-May-2016 S-60	99-1M 07-Sep-2016 99-1M	99-1M 07-Jun-2017 99-1M	99-1M 29-Aug-2017 99-1M	99-1M 06-Jun-2018 99-1M	99-1M 12-Sep-2018 99-1M	99-1M 13-Jun-2019 99-1M	99-1M 17-Sep-2019 99-1M	99-1M 09-Jun-2020 99-1M	99-1M 17-Sep-2020 99-1M	99-1M 23-Jun-2021 99-1M	99-1M 14-Sept-2021 99-1M
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	220	--	226	--	244	--	246	--	209	--	235	--	213	--	229	--	216	--
Ammonia Nitrogen	mg/l	--	--	0.17	--	<0.02	--	<0.05	--	<0.025	--	0.05	--	0.07	--	<0.010	--	<0.010	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	<5	--	<5	--	19	--	8	--	<5	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	59	--	24	--	41	--	38	--	38	--	56	--	51	--	64	--	51	--
Conductivity	uS/cm	--	--	760	--	596	--	698	--	655	--	586	--	675	--	624	--	697	--	728	--
Conductivity (Field)	uS/cm	--	--	711	700	581	725	705	760	682	675	481	762	720	705	705	680	655	672	780	820
Hardness, Calcium Carbonate	mg/l	--	--	316	--	290	--	318	--	308	--	278	--	300	--	266	--	300	--	357	--
Nitrogen, Total Kjeldahl	mg/l	--	--	0.14	--	<0.10	--	0.29	--	0.64	--	<0.8	--	<0.8	--	0.31	--	0.271	--	<0.100	--
pH (Field)	-	--	--	7.3	7.3	7.31	7.4	7.5	7.5	7.5	7.6	7.65	8.01	7.6	7.4	7.5	7.5	6.65	6.88	7.4	7.29
Temperature (Field)	deg c	--	15	12	10	11.9	14	12	11	12	14	11.2	11.5	11.0	12	11	12	14.8	14	10.0	10.3
Total Dissolved Solids	mg/l	--	500	494	--	387	--	454	--	426	--	381	--	439	--	406	--	453	--	473	--
Total Organic Carbon	mg/l	--	--	1.3	--	1.1	--	1.6	--	0.7	--	1.5	--	0.9	--	1.0	--	1.3	--	1.2	--
Metals																					
Boron, dissolved	mg/l	5	--	0.03	--	0.03	--	0.04	--	0.03	--	0.03	--	0.03	--	0.02	--	0.03	--	0.03	--
Calcium, dissolved	mg/l	--	--	92	--	85	--	91	--	87	--	80	--	84	--	77	--	84	--	100	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	0.13	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	21	--	19	--	22	--	22	--	19	--	22	--	18	--	22	--	26	--
Potassium, dissolved	mg/l	--	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	34	--	22	--	30	--	25	--	23	--	30	--	19	--	30	--	25	--
Strontium, dissolved	mg/l	--	--	0.091	--	0.077	--	0.096	--	0.084	--	0.082	--	0.094	--	0.094	--	0.098	--	0.098	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.002	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-1S 11-Jun-2013 B - 29	99-1S 06-Sep-2013 S-13	99-1S 29-May-2014 99-1S	99-1S 02-Sep-2014 B-3	99-1S 02-Jun-2015 99-1S	99-1S 16-Sep-2015 99-1S	99-1S 26-May-2016 S-81	99-1S 07-Sep-2016 99-1S	99-1S 07-Jun-2017 99-1S	99-1S 29-Aug-2017 99-1S	99-1S 06-Jun-2018 99-1S	99-1S 12-Sep-2018 99-1S	99-1S 13-Jun-2019 99-1S	99-1S 17-Sep-2019 99-1S	99-1S 09-Jun-2020 99-1S	99-1S 17-Sep-2020 99-1S	99-1S 23-Jun-2021 99-1S	99-1S 14-Sept-2021 99-1S
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	207	--	220	--	226	--	236	--	213	--	216	--	229	--	217	--	219	--
Ammonia Nitrogen	mg/l	--	--	0.04	--	0.03	--	<0.05	--	<0.025	--	0.11	--	0.05	--	<0.010	--	<0.010	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	<5	--	<5	--	20	--	8	--	<5	--	<5	--	<5	--	<5	--	<5	--
Chloride	mg/l	--	250	23	--	10	--	21	--	24	--	14	--	22	--	20	--	53	--	52	--
Conductivity	uS/cm	--	--	758	--	568	--	656	--	614	--	558	--	618	--	553	--	664	--	664	--
Conductivity (Field)	uS/cm	--	--	653	648	555	620	630	615	620	635	417	607	590	570	564	575	598	664	720	870
Hardness, Calcium Carbonate	mg/l	--	--	374	--	309	--	328	--	310	--	302	--	316	--	273	--	307	--	314	--
Nitrogen, Total Kjeldahl	mg/l	--	--	0.22	--	<0.10	--	0.14	--	0.38	--	<0.8	--	<0.8	--	0.24	--	0.362	--	<0.100	--
pH (Field)	-	--	--	7.2	7.2	7.28	7.3	7.3	7.4	7.4	7.5	7.5	8.02	7.4	7.4	7.4	7.5	6.80	6.84	7.6	7.24
Temperature (Field)	deg c	--	15	13	10	11.2	13	13	11	13	15	11.2	12.1	12	13	12	12	15.2	13.2	10.9	11.1
Total Dissolved Solids	mg/l	--	500	493	--	369	--	426	--	399	--	363	--	402	--	359	--	432	--	432	--
Total Organic Carbon	mg/l	--	--	2.2	--	1.4	--	1.4	--	1.1	--	1.4	--	1.0	--	1.5	--	1.6	--	1.1	--
Metals																					
Boron, dissolved	mg/l	5	--	0.04	--	0.03	--	0.04	--	0.04	--	0.02	--	0.03	--	0.03	--	0.03	--	0.02	--
Calcium, dissolved	mg/l	--	--	110	--	89	--	95	--	88	--	88	--	92	--	78	--	85	--	86	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--
Magnesium, dissolved	mg/l	--	--	24	--	21	--	22	--	22	--	20	--	21	--	19	--	23	--	24	--
Potassium, dissolved	mg/l	--	--	3	--	2	--	2	--	2	--	2	--	3	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	15	--	9	--	14	--	13	--	9	--	12	--	9	--	21	--	26	--
Strontium, dissolved	mg/l	--	--	0.096	--	0.069	--	0.085	--	0.077	--	0.064	--	0.078	--	0.085	--	0.080	--	0.096	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.002	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-2D 11-Jun-2013 B - 24	99-2D 17-Jun-2014 99-2D	99-2D 11-Jun-2015 99-2D	99-2D 14-Jun-2016 S-83	99-2D 15-Jun-2017 99-2S	99-2D 05-Jun-2018 99-2S	99-2D 13-Jun-2019 [11] 99-2D	99-2D 28-May-2020 99-2D	99-2D 25-Jun-2021 99-2D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	124	142	121	165	181	203	142	395	353
Ammonia Nitrogen	mg/l	--	--	0.59	0.64	1.40	0.593	1.02	1.17	1.09	1.76	1.8
Chemical Oxygen Demand	mg/l	--	--	62	94	102	91	254	66	66	20	14
Chloride	mg/l	--	250	14	18	14	20	24	5	19	65	62
Conductivity	uS/cm	--	--	291	327	279	345	409	446	303	978	898
Conductivity (Field)	uS/cm	--	--	841	335	390	405	840	830	769	815	1008
Hardness, Calcium Carbonate	mg/l	--	--	132	166	138	152	192	213	131	436	425
Nitrogen, Total Kjeldahl	mg/l	--	--	1.11	0.85	1.87	1.85	5.4	3.2	2.46	2.11	2.09
pH (Field)	-	--	--	7.2	6.75	6.9	6.9	7.2	7.1	7.5	6.67	7.8
Temperature (Field)	deg c	--	15	13	12.9	12	10	13	11	11	11.3	8.7
Total Dissolved Solids	mg/l	--	500	189	213	181	224	266	290	197	636	584
Total Organic Carbon	mg/l	--	--	23.6	22.6	28.0	32.0	59.0	31.4	24.0	6.6	5.8
Metals												
Boron, dissolved	mg/l	5	--	0.07	0.05	0.05	0.06	0.10	0.09	0.08	0.35	0.26
Calcium, dissolved	mg/l	--	--	43	55	47	51	62	69	41	122	114
Iron, dissolved	mg/l	--	0.3	1.30	2.55	2.07	2.33	2.40	3.71	3.54	2.79	4.88
Magnesium, dissolved	mg/l	--	--	6	7	5	6	9	10	7	32	34
Potassium, dissolved	mg/l	--	--	1	2	1	2	2	2	1	5	5
Sodium, dissolved	mg/l	--	200 [3]	8	9	7	10	11	14	9	34	39
Strontium, dissolved	mg/l	--	--	0.074	0.076	0.068	0.073	0.134	0.133	0.121	1.69	1.1
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-2S 11-Jun-2013 B - 23	99-2S 17-Jun-2014 99-2S	99-2S 11-Jun-2015 99-2S	99-2S 14-Jun-2016 S-85	99-2S 15-Jun-2017 99-2D	99-2S 05-Jun-2018 99-2D	99-2S 13-Jun-2019 99-2S	99-2S 28-May-2020 99-2S	99-2S 25-Jun-2021 99-2S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	357	374	353	379	367	352	360	209	319
Ammonia Nitrogen	mg/l	--	--	1.97	1.86	1.79	1.83	1.35	1.51	1.9	0.960	2.26
Chemical Oxygen Demand	mg/l	--	--	11	16	31	21	26	18	13	120	40
Chloride	mg/l	--	250	62	65	63	65	65	12	66	24	39
Conductivity	uS/cm	--	--	957	967	974	960	934	898	952	422	687
Conductivity (Field)	uS/cm	--	--	382	946	820	890	610	645	695	388	980
Hardness, Calcium Carbonate	mg/l	--	--	429	474	469	418	441	429	423	194	325
Nitrogen, Total Kjeldahl	mg/l	--	--	2.29	1.94	1.93	38.9	3.3	2.8	2.24	1.74	2.69
pH (Field)	-	--	--	6.7	7.44	7.3	7.0	6.9	6.9	7.5	6.15	7.2
Temperature (Field)	deg c	--	15	11	12.2	11	14	12	10.0	12	10.8	9.5
Total Dissolved Solids	mg/l	--	500	622	629	633	624	607	584	619	274	447
Total Organic Carbon	mg/l	--	--	7.7	7.5	6.4	6.5	7.5	7.2	6.3	28.5	10.7
Metals												
Boron, dissolved	mg/l	5	--	0.38	0.34	0.34	0.40	0.34	0.27	0.32	0.10	0.21
Calcium, dissolved	mg/l	--	--	114	127	127	108	119	114	115	63	99
Iron, dissolved	mg/l	--	0.3	3.98	5.28	4.93	4.26	3.89	3.91	4.56	2.75	5.53
Magnesium, dissolved	mg/l	--	--	35	38	37	36	35	35	33	9	19
Potassium, dissolved	mg/l	--	--	5	5	5	5	5	4	4	2	4
Sodium, dissolved	mg/l	--	200 [3]	35	40	35	39	35	37	34	13	26
Strontium, dissolved	mg/l	--	--	1.59	1.63	1.61	1.71	1.67	1.43	1.54	0.171	0.3
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.002	<0.001	0.004	<0.001	<0.001	0.005	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-3M 03-Jun-2013 S-1	99-3M 06-Sep-2013 S-5	99-3M 17-Jun-2014 99-3M	99-3M 03-Sep-2014 S -17	99-3M 27-May-2015 99-3M	99-3M 16-Sep-2015 99-3M	99-3M 14-Jun-2016 S-84	99-3M 07-Sep-2016 99-3M	99-3M 09-Jun-2017 99-3M	99-3M 29-Aug-2017 99-3M	99-3M 29-May-2018 99-3M	99-3M 07-Sep-2018 99-3M	99-3M 06-Jun-2019 99-3M	99-3M 17-Sep-2019 99-3M	99-3M 26-May-2020 99-3M	99-3M 15-Sep-2020 99-3M	99-3M 25-Jun-2021 99-3M	99-3M 14-Sept-2021 99-3M
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	274	--	289	--	281	--	300	--	288	--	276	--	294	--	306	--	284	--
Ammonia Nitrogen	mg/l	--	--	0.06	--	0.06	--	0.03	--	<0.025	--	0.15	--	0.11	--	0.02	--	0.011	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	6	--	<5	--	6	--	<5	--	8	--	<5	--	<5	--	7	--	<5	--
Chloride	mg/l	--	250	2	--	3	--	3	--	3	--	3	--	3	--	4	--	3	--	2	--
Conductivity	uS/cm	--	--	552	--	551	--	559	--	554	--	551	--	476	--	527	--	558	--	537	--
Conductivity (Field)	uS/cm	--	--	560	540	538	520	604	550	562	610	640	645	630	680	585	570	540	566	580	610
Hardness, Calcium Carbonate	mg/l	--	--	311	--	316	--	339	--	291	--	306	--	337	--	284	--	292	--	298	--
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	--	0.12	--	<0.10	--	0.23	--	<0.8	--	<0.8	--	<0.15	--	0.323	--	0.1	--
pH (Field)	-	--	--	7.4	7.3	7.64	7.4	7.38	7.5	7.7	7.6	7.6	7.83	7.6	7.5	7.6	7.6	6.62	6.77	7.6	7.46
Temperature (Field)	deg c	--	15	13	10	25.3	14	12.1	12	13	14	12	11.2	10	12	9	11	15.7	13.1	10	11.4
Total Dissolved Solids	mg/l	--	500	359	--	358	--	363	--	360	--	358	--	309	--	343	--	363	--	349	--
Total Organic Carbon	mg/l	--	--	1.3	--	2.0	--	1.6	--	1.4	--	3.0	--	1.4	--	1.5	--	1.5	--	349	--
Metals																					
Boron, dissolved	mg/l	5	--	0.02	--	0.02	--	0.02	--	0.03	--	0.03	--	0.02	--	0.02	--	0.03	--	0.02	--
Calcium, dissolved	mg/l	--	--	98	--	100	--	106	--	90	--	96	--	97	--	89	--	94	--	93	--
Iron, dissolved	mg/l	--	0.3	0.22	--	0.03	--	0.18	--	0.19	--	0.20	--	0.14	--	0.18	--	0.13	--	0.22	--
Magnesium, dissolved	mg/l	--	--	16	--	16	--	18	--	16	--	16	--	23	--	15	--	14	--	16	--
Potassium, dissolved	mg/l	--	--	4	--	4	--	4	--	4	--	4	--	14	--	4	--	4	--	4	--
Sodium, dissolved	mg/l	--	200 [3]	5	--	6	--	6	--	5	--	4	--	14	--	4	--	5	--	5	--
Strontium, dissolved	mg/l	--	--	0.797	--	0.673	--	0.710	--	0.858	--	0.695	--	0.700	--	0.775	--	0.953	--	0.856	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.002	--	<0.001	--	<0.001	--	<0.001	--	<0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-3S 03-Jun-2013 [12] 99-3S	99-3S 06-Sep-2013 [12] 99-3S	99-3S 17-Jun-2014 [12] 99-3S	99-3S 03-Sep-2014 [12] 99-3S	99-3S 27-May-2015 [13] 99-3S	99-3S 14-Sep-2015 [12] 99-3S	99-3S 14-Jun-2016 [12] 99-3S	99-3S 07-Sep-2016 [12] 99-3S	99-3S 09-Jun-2017 [12] 99-3S	99-3S 29-Aug-2017 [12] 99-3S	99-3S 08-Jun-2018 [12] 99-3S	99-3S 12-Sep-2018 [12] 99-3S	99-3S 06-Jun-2019 [12] 99-3S	99-3S 17-Sep-2019 [12] 99-3S	99-3S 26-May-2020 [12] 99-3S	99-3S 15-Sep-2020 [12] 99-3S

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-4D 03-Jun-2013 S-3	99-4D 06-Sep-2013 S-1	99-4D 30-May-2014 99-4D	99-4D 03-Sep-2014 S - 13	99-4D 27-May-2015 [10] 99-4D	99-4D 16-Sep-2015 99-4D	99-4D 14-Jun-2016 S-80	99-4D 07-Sep-2016 99-4D	99-4D 09-Jun-2017 99-4D	99-4D 29-Aug-2017 99-4D	99-4D 29-May-2018 99-4A	99-4D 07-Sep-2018 99-4D	99-4D 06-Jun-2019 99-4D	99-4D 17-Sep-2019 99-4D	99-4D 27-May-2020 99-4D	99-4D 15-Sep-2020 99-4D	99-4D 24-Jun-2021 99-4D	99-4D 14-Sept-2021 99-4D
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	196	--	176	--	174	--	202	--	193	--	187	--	175	--	210	--	192	--
Ammonia Nitrogen	mg/l	--	--	<0.02	--	0.03	--	<0.02	--	<0.025	--	0.18	--	0.09	--	<0.010	--	0.017	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	5	--	<5	--	11	--	9	--	7	--	<5	--	<5	--	6	--	7	--
Chloride	mg/l	--	250	4	--	4	--	4	--	5	--	5	--	4	--	5	--	4	--	5	--
Conductivity	uS/cm	--	--	407	--	370	--	378	--	397	--	398	--	370	--	350	--	373	--	381	--
Conductivity (Field)	uS/cm	--	--	410	435	354	435	364	460	638	655	680	363	625	590	605	618	369	329	480	370
Hardness, Calcium Carbonate	mg/l	--	--	128	--	113	--	110	--	119	--	251	--	121	--	111	--	97	--	110	--
Nitrogen, Total Kieldahl	mg/l	--	--	<0.10	--	0.17	--	<0.08	--	0.17	--	<0.8	--	0.8	--	0.22	--	0.134	--	0.19	--
pH (Field)	-	--	--	7.9	7.8	7.71	7.8	7.84	7.7	7.5	7.6	7.6	7.89	7.7	7.6	7.6	7.6	7.59	7.50	8.6	8.03
Temperature (Field)	deg c	--	15	12	10	11.5	13	11.3	12	11	14	12	10.2	10	11	9	10	20.3	14.4	10.3	10.6
Total Dissolved Solids	mg/l	--	500	265	--	240	--	246	--	258	--	259	--	240	--	228	--	242	--	248	--
Total Organic Carbon	mg/l	--	--	2.6	--	3.2	--	7.0	--	2.6	--	3.1	--	2.6	--	2.8	--	3.0	--	2.5	--
Metals																					
Boron, dissolved	mg/l	5	--	0.48	--	0.54	--	0.56	--	0.62	--	0.68	--	0.41	--	0.47	--	0.78	--	0.53	--
Calcium, dissolved	mg/l	--	--	30	--	27	--	26	--	28	--	84	--	32	--	28	--	24	--	26	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	<0.03	--	0.04	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	0.03	--
Magnesium, dissolved	mg/l	--	--	13	--	11	--	11	--	12	--	10	--	10	--	10	--	9	--	11	--
Potassium, dissolved	mg/l	--	--	3	--	2	--	3	--	2	--	2	--	2	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	48	--	43	--	53	--	50	--	10	--	38	--	35	--	46	--	50	--
Strontium, dissolved	mg/l	--	--	0.876	--	0.768	--	0.648	--	0.822	--	0.768	--	0.596	--	0.583	--	0.758	--	0.67	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.04	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-4M 03-Jun-2013 S-4	99-4M 06-Sep-2013 S-2	99-4M 30-May-2014 99-4M	99-4M 03-Sep-2014 S - 15	99-4M 27-May-2015 [14] 99-4M	99-4M 16-Sep-2015 99-4M	99-4M 14-Jun-2016 S-B1	99-4M 07-Sep-2016 99-4M	99-4M 09-Jun-2017 99-4M	99-4M 29-Aug-2017 99-4M	99-4M 29-May-2018 99-4M	99-4M 07-Sep-2018 99-4M	99-4M 06-Jun-2019 99-4M	99-4M 17-Sep-2019 99-4M	99-4M 27-May-2020 99-4M	99-4M 15-Sep-2020 99-4M	99-4M 24-Jun-2021 99-4M	99-4M 14-Sept-2021 99-4M
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	220	--	220	--	194	--	240	--	238	--	201	--	219	--	201	--	197	--
Ammonia Nitrogen	mg/l	--	--	0.11	--	0.04	--	<0.02	--	<0.025	--	0.21	--	0.09	--	0.03	--	0.012	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	42	--	10	--	13	--	16	--	14	--	<5	--	<5	--	8	--	13	--
Chloride	mg/l	--	250	4	--	4	--	8	--	6	--	6	--	5	--	7	--	5	--	6	--
Conductivity	uS/cm	--	--	474	--	436	--	413	--	482	--	480	--	408	--	407	--	352	--	401	--
Conductivity (Field)	uS/cm	--	--	440	460	435	465	504	480	630	620	620	395	600	600	635	620	315	380	440	530
Hardness, Calcium Carbonate	mg/l	--	--	246	--	239	--	247	--	226	--	115	--	227	--	218	--	176	--	209	--
Nitrogen, Total Kieldahl	mg/l	--	--	0.88	--	0.26	--	<0.08	--	0.33	--	1.0	--	1.0	--	0.29	--	0.291	--	0.24	--
pH (Field)	-	--	--	7.4	7.3	7.55	7.5	7.62	7.4	7.7	7.6	7.7	7.98	7.5	7.5	7.5	7.6	7.89	7.64	7.4	7.32
Temperature (Field)	deg c	--	15	13	10	12.5	14	11.9	12	13	14	12	10.9	11	12	9	11	22.3	14.1	10.6	11.3
Total Dissolved Solids	mg/l	--	500	308	--	283	--	268	--	313	--	312	--	265	--	265	--	229	--	261	--
Total Organic Carbon	mg/l	--	--	4.6	--	4.9	--	5.4	--	4.3	--	5.1	--	3.6	--	4.1	--	4.4	--	3.2	--
Metals																					
Boron, dissolved	mg/l	5	--	0.02	--	0.03	--	0.02	--	0.03	--	0.03	--	0.02	--	0.02	--	0.03	--	0.02	--
Calcium, dissolved	mg/l	--	--	82	--	81	--	84	--	74	--	28	--	76	--	71	--	59	--	69	--
Iron, dissolved	mg/l	--	0.3	0.05	--	0.06	--	0.06	--	0.15	--	0.20	--	0.09	--	0.08	--	<0.03	--	0.04	--
Magnesium, dissolved	mg/l	--	--	10	--	9	--	9	--	10	--	11	--	9	--	10	--	7	--	9	--
Potassium, dissolved	mg/l	--	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--	1	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	12	--	3	--	3	--	18	--	48	--	8	--	9	--	5	--	9	--
Strontium, dissolved	mg/l	--	--	0.351	--	0.337	--	0.227	--	0.378	--	0.423	--	0.354	--	0.425	--	0.276	--	0.321	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-4S 03-Jun-2013 S-5	99-4S 06-Sep-2013 [12] 99-4S	99-4S 30-May-2014 99-4S	99-4S 03-Sep-2014 [12] 99-4S	99-4S 27-May-2015 [13] 99-4S	99-4S 16-Sep-2015 [12] 99-4S	99-4S 14-Jun-2016 [12] 99-4S	99-4S 07-Sep-2016 [12] 99-4S	99-4S 09-Jun-2017 [12] 99-4S	99-4S 29-Aug-2017 99-4S	99-4S 08-Jun-2018 [12] 99-4S	99-4S 12-Sep-2018 [12] 99-4S	99-4S 06-Jun-2019 99-4S	99-4S 17-Sep-2019 [12] 99-4S	99-4S 26-May-2020 [12] 99-4S	99-4S 15-Sep-2020 [12] 99-4S	99-4S 24-Jun-2021 (13) 99-4S	99-4S 14-Sept-2021 (14) 99-4S
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	207	--	208	--	--	--	--	--	--	--	--	--	171	--	--	--	--	--
Ammonia Nitrogen	mg/l	--	--	<0.02	--	0.03	--	--	--	--	--	--	--	--	--	<0.010	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	24	--	11	--	--	--	--	--	--	--	--	--	11	--	--	--	--	--
Chloride	mg/l	--	250	4	--	5	--	--	--	--	--	--	--	--	--	9	--	--	--	--	--
Conductivity	uS/cm	--	--	438	--	437	--	--	--	--	--	--	--	--	--	345	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	460	--	440	--	--	--	--	--	--	424	--	--	660	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	235	--	232	--	--	--	--	--	--	--	--	--	184	--	--	--	--	--
Nitrogen, Total Kieldahl	mg/l	--	--	0.30	--	0.14	--	--	--	--	--	--	--	--	--	0.56	--	--	--	--	--
pH (Field)	-	--	--	7.2	--	7.99	--	--	--	--	--	--	8.01	--	--	7.4	--	--	--	--	--
Temperature (Field)	deg c	--	15	14	--	13.6	--	--	--	--	--	--	11.3	--	--	8.5	--	--	--	--	--
Total Dissolved Solids	mg/l	--	500	285	--	284	--	--	--	--	--	--	--	--	--	224	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	5.6	--	5.2	--	--	--	--	--	--	--	--	--	4.5	--	--	--	--	--
Metals																					
Boron, dissolved	mg/l	5	--	0.02	--	0.02	--	--	--	--	--	--	--	--	--	0.01	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	76	--	73	--	--	--	--	--	--	--	--	--	57	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	11	--	12	--	--	--	--	--	--	--	--	--	10	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	3	--	3	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [3]	6	--	7	--	--	--	--	--	--	--	--	--	6	--	--	--	--	--
Strontium, dissolved	mg/l	--	--	0.126	--	0.135	--	--	--	--	--	--	--	--	--	0.092	--	--	--	--	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	--	--	--	--	--	--	--	--	<0.001	--	--	--	--	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-5D 03-Jun-2013 S-6	99-5D 30-May-2014 99-5D	99-5D 27-May-2015 99-5D	99-5D 14-Jun-2016 S-86	99-5D 09-Jun-2017 99-5D	99-5D 29-May-2018 99-5D	99-5D 06-Jun-2019 99-5D	99-5D 26-May-2020 99-5D	99-5D 25-Jun-2021 99-5D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	391	405	278	412	426	393	410	255	367
Ammonia Nitrogen	mg/l	--	--	3.76	3.95	1.84	3.16	2.28	2.28	3.1	1.52	2
Chemical Oxygen Demand	mg/l	--	--	23	18	17	17	17	11	9	6	8
Chloride	mg/l	--	250	19	19	9	15	17	15	16	6	12
Conductivity	uS/cm	--	--	814	811	588	781	804	776	771	492	772
Conductivity (Field)	uS/cm	--	--	690	790	791	685	690	680	665	487	750
Hardness, Calcium Carbonate	mg/l	--	--	343	347	307	315	306	308	280	223	247
Nitrogen, Total Kjeldahl	mg/l	--	--	4.04	4.11	2.36	3.49	4.8	4.2	3.70	2.15	2.18
pH (Field)	-	--	--	7.1	6.95	7.04	7.5	7.6	7.6	7.7	6.30	7.6
Temperature (Field)	deg c	--	15	10	12.1	13.0	10	11	11	10	16.0	9.5
Total Dissolved Solids	mg/l	--	500	529	527	382	508	523	504	501	320	502
Total Organic Carbon	mg/l	--	--	7.2	8.0	6.7	6.2	7.8	5.4	6.8	4.3	4.2
Metals												
Boron, dissolved	mg/l	5	--	0.40	0.45	0.20	0.41	0.42	0.34	0.39	0.15	0.23
Calcium, dissolved	mg/l	--	--	101	101	90	90	96	92	81	68	71
Iron, dissolved	mg/l	--	0.3	2.03	3.93	6.10	1.64	1.31	0.94	1.39	3.94	0.41
Magnesium, dissolved	mg/l	--	--	22	23	20	22	16	19	19	13	17
Potassium, dissolved	mg/l	--	--	6	6	4	6	4	6	6	3	5
Sodium, dissolved	mg/l	--	200 [3]	46	48	20	51	4	65	69	15	86
Strontium, dissolved	mg/l	--	--	1.24	1.35	0.775	1.28	1.16	1.21	1.20	0.751	0.961
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.005	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-5M 03-Jun-2013 S-7	99-5M 30-May-2014 99-5M	99-5M 27-May-2015 99-5M	99-5M 14-Jun-2016 S-87	99-5M 09-Jun-2017 99-5M	99-5M 29-May-2018 99-5M	99-5M 06-Jun-2019 99-5M	99-5M 26-May-2020 99-5M	99-5M 25-Jun-2021 99-5M
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	280	259	259	288	251	279	283	271	284
Ammonia Nitrogen	mg/l	--	--	0.12	0.18	0.10	0.168	0.26	0.23	0.22	0.113	0.186
Chemical Oxygen Demand	mg/l	--	--	10	6	15	13	14	11	5	8	<5
Chloride	mg/l	--	250	7	4	5	8	6	8	9	5	7
Conductivity	uS/cm	--	--	627	531	534	596	541	630	610	510	634
Conductivity (Field)	uS/cm	--	--	665	548	608	710	680	670	625	478	700
Hardness, Calcium Carbonate	mg/l	--	--	295	290	318	272	308	281	272	258	272
Nitrogen, Total Kjeldahl	mg/l	--	--	0.37	0.27	<0.10	0.62	1.0	1.5	0.55	0.450	0.361
pH (Field)	-	--	--	7.3	7.06	7.05	7.6	7.6	7.7	7.6	6.45	7.6
Temperature (Field)	deg c	--	15	11	11.3	11.5	12	10	11	10	16	92
Total Dissolved Solids	mg/l	--	500	408	345	347	387	352	410	396	332	412
Total Organic Carbon	mg/l	--	--	4.2	6.1	5.0	4.4	5.5	3.8	4.4	4.3	3.2
Metals												
Boron, dissolved	mg/l	5	--	0.08	0.09	0.08	0.14	0.14	0.13	0.15	0.16	0.14
Calcium, dissolved	mg/l	--	--	85	85	91	76	97	83	76	77	76
Iron, dissolved	mg/l	--	0.3	0.95	2.59	2.01	1.23	0.92	0.82	1.06	1.37	0.42
Magnesium, dissolved	mg/l	--	--	20	19	22	20	16	18	20	16	20
Potassium, dissolved	mg/l	--	--	4	2	2	3	4	3	3	2	4
Sodium, dissolved	mg/l	--	200 [3]	25	7	8	24	4	26	30	12	41
Strontium, dissolved	mg/l	--	--	0.920	1.10	0.946	0.995	0.918	0.911	0.964	1.07	0.863
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-5S 03-Jun-2013 S-9	99-5S 30-May-2014 99-5S	99-5S 27-May-2015 99-5S	99-5S 14-Jun-2016 S-88	99-5S 09-Jun-2017 99-5S	99-5S 29-May-2018 99-5S	99-5S 06-Jun-2019 99-5S	99-5S 26-May-2020 99-5S	99-5S 25-Jun-2021 99-5S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	296	311	295	332	306	281	300	301	307
Ammonia Nitrogen	mg/l	--	--	0.06	0.03	<0.02	0.046	0.17	0.09	0.02	0.035	0.134
Chemical Oxygen Demand	mg/l	--	--	12	5	13	14	23	7	<5	10	<5
Chloride	mg/l	--	250	4	5	6	7	7	5	6	5	4
Conductivity	uS/cm	--	--	634	653	610	664	628	585	570	598	642
Conductivity (Field)	uS/cm	--	--	640	613	704	785	805	790	805	564	690
Hardness, Calcium Carbonate	mg/l	--	--	347	363	374	338	339	324	332	316	321
Nitrogen, Total Kjeldahl	mg/l	--	--	0.38	<0.10	<0.10	0.24	1.1	1.0	0.18	0.235	0.167
pH (Field)	-	--	--	7.4	7.14	7.13	7.4	7.4	7.5	7.6	6.72	7.9
Temperature (Field)	deg c	--	15	11	10.9	10.7	13	12	11	10	16.7	10.2
Total Dissolved Solids	mg/l	--	500	412	424	396	432	408	380	370	389	417
Total Organic Carbon	mg/l	--	--	2.9	3.4	3.6	3.1	6.1	2.4	2.7	2.8	2.2
Metals												
Boron, dissolved	mg/l	5	--	0.04	0.06	0.04	0.05	0.04	0.05	0.05	0.06	0.06
Calcium, dissolved	mg/l	--	--	96	99	102	89	96	90	90	87	84
Iron, dissolved	mg/l	--	0.3	0.20	0.13	0.34	0.31	0.40	0.04	0.20	0.06	0.08
Magnesium, dissolved	mg/l	--	--	26	28	29	28	24	24	26	24	27
Potassium, dissolved	mg/l	--	--	4	4	3	4	13	4	3	3	4
Sodium, dissolved	mg/l	--	200 [3]	10	9	7	17	11	11	10	10	24
Strontium, dissolved	mg/l	--	--	0.950	1.13	0.854	1.02	0.829	1.01	0.988	1.12	1
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	LEACHATE 11-Jun-2013 [5] B - 21	LEACHATE 19-Nov-2013 [16] W - 13	LEACHATE 17-Jun-2014 Leachate	LEACHATE 02-Sep-2014 [6] B-10	LEACHATE 03-Jun-2015 L-1	LEACHATE 22-Sep-2015 L-1	LEACHATE 25-May-2016 S-17	LEACHATE 13-Sep-2016 L-1	LEACHATE 06-Jun-2017 L-1	LEACHATE 06-Sep-2017 LEACHATE	LEACHATE 01-Jun-2018 L-1	LEACHATE 12-Sep-2018 L-1	LEACHATE 18-Jun-2019 LEACHATE	LEACHATE 19-Sep-2019 L-1	LEACHATE 22-May-2020 L-1	LEACHATE 22-May-2020 [17] L-1	LEACHATE 17-Sep-2020 [17] LEACHATE	LEACHATE 14-Sept-2021 [17] LEACHATE	LEACHATE 2-Nov-2021 [17] LEACHATE
General Chemistry																						
Alkalinity (Total as CaCO3)	mg/l	--	--	453	469	494	575	500	581	540	945	490	551	514	978	486	896	512	--	957	965	565
Ammonia, unionized (Field)	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ammonia Nitrogen	mg/l	--	--	8.51	13.7	15.8	19.1	18.9	22.7	19.2	55.7	16.5	22.0	18.7	67.9	17.4	55.2	18.2	--	79.4	61.9	21.8
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	4	2	2	3	<4	1	8	7	2	<1	5	3	8	6	6	--	5	7	2
Bromide	mg/l	--	--	<0.25	0.38	<0.25	0.43	0.25	0.39	<0.25	1.15	0.30	0.30	0.30	1.44	<0.25	1.09	0.27	--	1.14	1.26	<1.2
Chemical Oxygen Demand	mg/l	--	--	20	30	31	26	53	45	40	95	36	36	40	97	24	82	43	--	92	92	26
Chloride	mg/l	--	250	16	37	39	63	49	61	46	189	38	63	45	208	38	172	39	--	177	175	63
Color	color unit	--	5	--	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Conductivity	uS/cm	--	--	909	--	1020	1240	1080	1220	1090	2190	965	1170	1060	2360	971	2190	1020	--	2240	2190	1230
Conductivity (Field)	uS/cm	--	--	1388	1792	1025	1620	1895	1770	1142	1165	1305	1380	1405	1620	1520	1599	1442	1442	1464	2560	2560
Cyanide	mg/l	0.2	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	0.16	0.17	0.19	0.18	0.20	0.19	0.17	0.37	0.16	0.19	0.18	0.48	0.16	<0.10	<0.10	--	0.31	0.36	0.16
Hardness, Calcium Carbonate	mg/l	--	--	431	424	415	483	428	461	411	634	399	444	372	569	401	605	390	--	619	581	512
Nitrate as N	mg/l	10.0	--	0.17	<0.10	<0.10	<0.10	<0.10	0.49	0.30	<0.10	0.12	<0.10	0.51	<0.10	<0.10	0.15	0.60	--	0.42	0.44	0.90
Nitrite as N	mg/l	1.0	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	--	<0.50	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	9.01	13.9	15.9	23.5	21.3	23.5	20.5	67.8	19.0	24.6	15.6	60.8	16.3	56.8	19.8	--	120	64.2	22.9
pH (Field)	-	--	--	6.4	6.3	6.73	6.4	7.0	6.6	6.8	6.7	6.7	6.7	6.8	6.6	6.7	6.6	6.7	6.7	6.64	6.85	6.85
Phosphorus	mg/l	--	--	--	0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	<0.01	<0.09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	<0.0030	<0.2	<0.010	--	<0.010	<0.010	<0.010
Sulphate	mg/l	--	500 [4]	20	13	5	7	7	7	5	10	6	5	4	6	5	9	6	--	7	9	29
Temperature (Field)	deg c	--	15	18	14	15.6	22	16	20	15	17	16	18	16	19	17	18	15	15	15	13.9	13.9
Total Dissolved Solids	mg/l	--	500	591	--	663	806	702	793	708	1420	627	760	689	1530	631	1420	663	--	1460	1420	800
Total Organic Carbon	mg/l	--	--	10.6	--	11.8	14.9	11.9	14.0	11.8	31.6	15.0	17.3	52.9	37.6	11.3	1.2	11.2	--	31.6	31.4	11.9
Turbidity	ntu	--	5 [19]	--	66.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																						
Aluminum, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	0.01	<0.01
Arsenic, dissolved	mg/l	0.01	--	<0.01	<0.01	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001
Barium, dissolved	mg/l	1	--	0.11	0.14	0.15	0.16	0.11	0.14	0.16	0.35	0.10	0.18	0.16	0.41	0.14	0.36	0.14	--	0.34	0.32	0.22
Beryllium, dissolved	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	0.26	0.25	0.30	0.41	0.37	0.42	0.36	0.86	0.32	0.44	0.34	0.96	0.31	0.90	0.32	--	0.93	0.92	0.42
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	--	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	123	112	110	124	112	117	107	155	107	115	101	134	111	150	105	--	154	137	134
Chromium, dissolved	mg/l	0.05	--	0.006	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.002	0.002	0.002	<0.001	--	0.002	0.002	0.001
Cobalt, dissolved	mg/l	--	--	0.0020	0.0017	0.0022	0.0036	0.0018	0.0021	0.0016	0.0028	0.0013	0.0018	0.0015	0.0039	0.0012	0.0033	0.0012	--	0.0031	0.0038	0.0015
Copper, dissolved	mg/l	--	1	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	0.001
Hexavalent Chromium	mg/l	--	--	--	0.00007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	5.93	7.15	12.1	8.23	0.07	1.77	8.40	3.52	0.78	5.16	8.25	17.8	8.01	6.06	6.09	--	7.68	12.2	6.32
Lead, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	30	35	34	42	36	41	35	60	32	38	29	57	30	56	31	--	57	58	43
Manganese, dissolved	mg/l	--	0.05	0.63	0.55	0.71	0.87	0.69	0.77	0.66	0.46	0.48	0.56	0.57	0.48	0.50	0.55	0.40	--	0.54	0.37	0.35
Molybdenum, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	0.006	0.006	0.006	0.009	0.008	0.008	0.007	0.018	0.006	0.008	0.008	0.021	0.006	0.018	0.007	--	0.021	0.021	0.006
Potassium, dissolved	mg/l	--	--	8	11	13	16	12	16	15	39	12	16	14	44	11	40	12	--	41	40	17
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	--	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [3]	21	39	42	60	46	60	50	168	38	58	42	182	32	147	38	--	160	166	60
Strontium, dissolved	mg/l	--	--	0.343	0.372	0.361	0.414	0.419	0.492	0.438	1.09	0.343	0.506	0.404	1.12	0.389	1.04	0.381	--	1.04	0.986	0.549
Thallium, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	--	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	0.006	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.002	<0.001	--	0.002	0.002	<0.001
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002
Phenols																						
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.002	<0.001	0.001	0.001	0.005	0.002	<0.001	0.011	0.001	0.018	0.013	--	0.021	0.016	0.002

Footnotes:	
	Tables should be read in conjunction with the accompanying document.
<	Indicates parameter not detected above laboratory method detection limit.
>	Indicates parameter detected above equipment analytical range.
--	Chemical not analyzed or criteria not defined.
Value	Parameter is greater than ODWQS(169/03)-Health
Value	Parameter is greater than ODWQS-AO
(1)	Ontario Drinking Water Quality Standards - Health Based Standards (June 2003, revised January 2020).
(2)	Ontario Drinking Water Quality Standards - Aesthetic Objectives. Aesthetic Objectives are established for parameters that may impair the taste, odour or colour of water or which may interfere with good water quality control practices. For certain parameters, both aesthetic objectives and health-related MACs have been derived (June 2003, revised July 2017).
(3)	The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.
(4)	There may be a laxative effect in some individuals when sulphate levels exceed 500 mg/L.
(5)	Arsenic MRL elevated due to matrix interference (dilution was done).
(6)	Zirconium and Arsenic MRL elevated due to matrix interference (dilution was done).
(7)	TKN results are less than results for N-NH3; results have been confirmed.
(8)	Phenols MRL elevated due to matrix interference (5X dilution was done).
(9)	Phenols MRL elevated due to matrix interference (2X dilution was done).
(10)	TKN analysed at Pointe Claire facility.
(11)	Sediment was not included in metals analysis.
(12)	Monitoring location was dry during this sampling event. No sample was collected.
(13)	Not enough water to measure field parameters.
(14)	TKN analysed at Pointe Claire facility. TOC analysed at Edmonton facility.
(15)	Sampling location is not operational.
(16)	Holding time for turbidity analysis was exceeded. Due to lab error (incorrect bottle type) the CrVI results should be interpreted with caution. Arsenic MRL elevated due to matrix interference (dilution was done). Sample was subcontracted for Chromium (VI) analysis.
(17)	Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x).
(18)	N-NO2 MRL elevated due to matrix interference (dilution was done).
(19)	Applicable for all waters at the point of consumption.

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-3M 03-Jun-2013 S-1	99-3M 06-Sep-2013 S-5	99-3M 17-Jun-2014 99-3M	99-3M 03-Sep-2014 S -17	99-3M 27-May-2015 99-3M	99-3M 16-Sep-2015 99-3M	99-3M 14-Jun-2016 S-84	99-3M 07-Sep-2016 99-3M	99-3M 09-Jun-2017 99-3M	99-3M 29-Aug-2017 99-3M	99-3M 29-May-2018 99-3M	99-3M 07-Sep-2018 99-3M	99-3M 06-Jun-2019 99-3M	99-3M 17-Sep-2019 99-3M	99-3M 26-May-2020 99-3M	99-3M 15-Sep-2020 99-3M	99-3M 25-Jun-2021 99-3M	99-3M 14-Sept-2021 99-3M
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	274	--	289	--	281	--	300	--	288	--	276	--	294	--	306	--	284	--
Ammonia Nitrogen	mg/l	--	--	0.06	--	0.06	--	0.03	--	<0.025	--	0.15	--	0.11	--	0.02	--	0.011	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	6	--	<5	--	6	--	<5	--	8	--	<5	--	<5	--	7	--	<5	--
Chloride	mg/l	--	250	2	--	3	--	3	--	3	--	3	--	3	--	4	--	3	--	2	--
Conductivity	uS/cm	--	--	552	--	551	--	559	--	554	--	551	--	476	--	527	--	558	--	537	--
Conductivity (Field)	uS/cm	--	--	560	540	538	520	604	550	562	610	640	645	630	680	585	570	540	566	580	610
Hardness, Calcium Carbonate	mg/l	--	--	311	--	316	--	339	--	291	--	306	--	337	--	284	--	292	--	298	--
Nitrogen, Total Kjeldahl	mg/l	--	--	<0.10	--	0.12	--	<0.10	--	0.23	--	<0.8	--	<0.8	--	<0.15	--	0.323	--	0.1	--
pH (Field)	-	--	--	7.4	7.3	7.64	7.4	7.38	7.5	7.7	7.6	7.6	7.83	7.6	7.5	7.6	7.6	6.62	6.77	7.6	7.46
Temperature (Field)	deg c	--	15	13	10	25.3	14	12.1	12	13	14	12	11.2	10	12	9	11	15.7	13.1	10	11.4
Total Dissolved Solids	mg/l	--	500	359	--	358	--	363	--	360	--	358	--	309	--	343	--	363	--	349	--
Total Organic Carbon	mg/l	--	--	1.3	--	2.0	--	1.6	--	1.4	--	3.0	--	1.4	--	1.5	--	1.5	--	349	--
Metals																					
Boron, dissolved	mg/l	5	--	0.02	--	0.02	--	0.02	--	0.03	--	0.03	--	0.02	--	0.02	--	0.03	--	0.02	--
Calcium, dissolved	mg/l	--	--	98	--	100	--	106	--	90	--	96	--	97	--	89	--	94	--	93	--
Iron, dissolved	mg/l	--	0.3	0.22	--	0.03	--	0.18	--	0.19	--	0.20	--	0.14	--	0.18	--	0.13	--	0.22	--
Magnesium, dissolved	mg/l	--	--	16	--	16	--	18	--	16	--	16	--	23	--	15	--	14	--	16	--
Potassium, dissolved	mg/l	--	--	4	--	4	--	4	--	4	--	4	--	14	--	4	--	4	--	4	--
Sodium, dissolved	mg/l	--	200 [3]	5	--	6	--	6	--	5	--	4	--	14	--	4	--	5	--	5	--
Strontium, dissolved	mg/l	--	--	0.797	--	0.673	--	0.710	--	0.858	--	0.695	--	0.700	--	0.775	--	0.953	--	0.856	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.002	--	<0.001	--	<0.001	--	<0.001	--	<0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-3S 03-Jun-2013 [12] 99-3S	99-3S 06-Sep-2013 [12] 99-3S	99-3S 17-Jun-2014 [12] 99-3S	99-3S 03-Sep-2014 [12] 99-3S	99-3S 27-May-2015 [13] 99-3S	99-3S 14-Sep-2015 [12] 99-3S	99-3S 14-Jun-2016 [12] 99-3S	99-3S 07-Sep-2016 [12] 99-3S	99-3S 09-Jun-2017 [12] 99-3S	99-3S 29-Aug-2017 [12] 99-3S	99-3S 08-Jun-2018 [12] 99-3S	99-3S 12-Sep-2018 [12] 99-3S	99-3S 06-Jun-2019 [12] 99-3S	99-3S 17-Sep-2019 [12] 99-3S	99-3S 26-May-2020 [12] 99-3S	99-3S 15-Sep-2020 [12] 99-3S

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-4D 03-Jun-2013 S-3	99-4D 06-Sep-2013 S-1	99-4D 30-May-2014 99-4D	99-4D 03-Sep-2014 S - 13	99-4D 27-May-2015 [10] 99-4D	99-4D 16-Sep-2015 99-4D	99-4D 14-Jun-2016 S-80	99-4D 07-Sep-2016 99-4D	99-4D 09-Jun-2017 99-4D	99-4D 29-Aug-2017 99-4D	99-4D 29-May-2018 99-4A	99-4D 07-Sep-2018 99-4D	99-4D 06-Jun-2019 99-4D	99-4D 17-Sep-2019 99-4D	99-4D 27-May-2020 99-4D	99-4D 15-Sep-2020 99-4D	99-4D 24-Jun-2021 99-4D	99-4D 14-Sept-2021 99-4D
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	196	--	176	--	174	--	202	--	193	--	187	--	175	--	210	--	192	--
Ammonia Nitrogen	mg/l	--	--	<0.02	--	0.03	--	<0.02	--	<0.025	--	0.18	--	0.09	--	<0.010	--	0.017	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	5	--	<5	--	11	--	9	--	7	--	<5	--	<5	--	6	--	7	--
Chloride	mg/l	--	250	4	--	4	--	4	--	5	--	5	--	4	--	5	--	4	--	5	--
Conductivity	uS/cm	--	--	407	--	370	--	378	--	397	--	398	--	370	--	350	--	373	--	381	--
Conductivity (Field)	uS/cm	--	--	410	435	354	435	364	460	638	655	680	363	625	590	605	618	369	329	480	370
Hardness, Calcium Carbonate	mg/l	--	--	128	--	113	--	110	--	119	--	251	--	121	--	111	--	97	--	110	--
Nitrogen, Total Kieldahl	mg/l	--	--	<0.10	--	0.17	--	<0.08	--	0.17	--	<0.8	--	0.8	--	0.22	--	0.134	--	0.19	--
pH (Field)	-	--	--	7.9	7.8	7.71	7.8	7.84	7.7	7.5	7.6	7.6	7.89	7.7	7.6	7.6	7.6	7.59	7.50	8.6	8.03
Temperature (Field)	deg c	--	15	12	10	11.5	13	11.3	12	11	14	12	10.2	10	11	9	10	20.3	14.4	10.3	10.6
Total Dissolved Solids	mg/l	--	500	265	--	240	--	246	--	258	--	259	--	240	--	228	--	242	--	248	--
Total Organic Carbon	mg/l	--	--	2.6	--	3.2	--	7.0	--	2.6	--	3.1	--	2.6	--	2.8	--	3.0	--	2.5	--
Metals																					
Boron, dissolved	mg/l	5	--	0.48	--	0.54	--	0.56	--	0.62	--	0.68	--	0.41	--	0.47	--	0.78	--	0.53	--
Calcium, dissolved	mg/l	--	--	30	--	27	--	26	--	28	--	84	--	32	--	28	--	24	--	26	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	<0.03	--	0.04	--	<0.03	--	<0.03	--	<0.03	--	<0.03	--	0.03	--
Magnesium, dissolved	mg/l	--	--	13	--	11	--	11	--	12	--	10	--	10	--	10	--	9	--	11	--
Potassium, dissolved	mg/l	--	--	3	--	2	--	3	--	2	--	2	--	2	--	2	--	2	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	48	--	43	--	53	--	50	--	10	--	38	--	35	--	46	--	50	--
Strontium, dissolved	mg/l	--	--	0.876	--	0.768	--	0.648	--	0.822	--	0.768	--	0.596	--	0.583	--	0.758	--	0.67	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.04	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-4M 03-Jun-2013 S-4	99-4M 06-Sep-2013 S-2	99-4M 30-May-2014 99-4M	99-4M 03-Sep-2014 S - 15	99-4M 27-May-2015 [14] 99-4M	99-4M 16-Sep-2015 99-4M	99-4M 14-Jun-2016 S-B1	99-4M 07-Sep-2016 99-4M	99-4M 09-Jun-2017 99-4M	99-4M 29-Aug-2017 99-4M	99-4M 29-May-2018 99-4M	99-4M 07-Sep-2018 99-4M	99-4M 06-Jun-2019 99-4M	99-4M 17-Sep-2019 99-4M	99-4M 27-May-2020 99-4M	99-4M 15-Sep-2020 99-4M	99-4M 24-Jun-2021 99-4M	99-4M 14-Sept-2021 99-4M
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	220	--	220	--	194	--	240	--	238	--	201	--	219	--	201	--	197	--
Ammonia Nitrogen	mg/l	--	--	0.11	--	0.04	--	<0.02	--	<0.025	--	0.21	--	0.09	--	0.03	--	0.012	--	<0.010	--
Chemical Oxygen Demand	mg/l	--	--	42	--	10	--	13	--	16	--	14	--	<5	--	<5	--	8	--	13	--
Chloride	mg/l	--	250	4	--	4	--	8	--	6	--	6	--	5	--	7	--	5	--	6	--
Conductivity	uS/cm	--	--	474	--	436	--	413	--	482	--	480	--	408	--	407	--	352	--	401	--
Conductivity (Field)	uS/cm	--	--	440	460	435	465	504	480	630	620	620	395	600	600	635	620	315	380	440	530
Hardness, Calcium Carbonate	mg/l	--	--	246	--	239	--	247	--	226	--	115	--	227	--	218	--	176	--	209	--
Nitrogen, Total Kieldahl	mg/l	--	--	0.88	--	0.26	--	<0.08	--	0.33	--	1.0	--	1.0	--	0.29	--	0.291	--	0.24	--
pH (Field)	-	--	--	7.4	7.3	7.55	7.5	7.62	7.4	7.7	7.6	7.7	7.98	7.5	7.5	7.5	7.6	7.89	7.64	7.4	7.32
Temperature (Field)	deg c	--	15	13	10	12.5	14	11.9	12	13	14	12	10.9	11	12	9	11	22.3	14.1	10.6	11.3
Total Dissolved Solids	mg/l	--	500	308	--	283	--	268	--	313	--	312	--	265	--	265	--	229	--	261	--
Total Organic Carbon	mg/l	--	--	4.6	--	4.9	--	5.4	--	4.3	--	5.1	--	3.6	--	4.1	--	4.4	--	3.2	--
Metals																					
Boron, dissolved	mg/l	5	--	0.02	--	0.03	--	0.02	--	0.03	--	0.03	--	0.02	--	0.02	--	0.03	--	0.02	--
Calcium, dissolved	mg/l	--	--	82	--	81	--	84	--	74	--	28	--	76	--	71	--	59	--	69	--
Iron, dissolved	mg/l	--	0.3	0.05	--	0.06	--	0.06	--	0.15	--	0.20	--	0.09	--	0.08	--	<0.03	--	0.04	--
Magnesium, dissolved	mg/l	--	--	10	--	9	--	9	--	10	--	11	--	9	--	10	--	7	--	9	--
Potassium, dissolved	mg/l	--	--	2	--	2	--	2	--	2	--	2	--	2	--	2	--	1	--	2	--
Sodium, dissolved	mg/l	--	200 [3]	12	--	3	--	3	--	18	--	48	--	8	--	9	--	5	--	9	--
Strontium, dissolved	mg/l	--	--	0.351	--	0.337	--	0.227	--	0.378	--	0.423	--	0.354	--	0.425	--	0.276	--	0.321	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	<0.001	--	0.004	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-4S 03-Jun-2013 S-5	99-4S 06-Sep-2013 [12] 99-4S	99-4S 30-May-2014 99-4S	99-4S 03-Sep-2014 [12] 99-4S	99-4S 27-May-2015 [13] 99-4S	99-4S 16-Sep-2015 [12] 99-4S	99-4S 14-Jun-2016 [12] 99-4S	99-4S 07-Sep-2016 [12] 99-4S	99-4S 09-Jun-2017 [12] 99-4S	99-4S 29-Aug-2017 99-4S	99-4S 08-Jun-2018 [12] 99-4S	99-4S 12-Sep-2018 [12] 99-4S	99-4S 06-Jun-2019 99-4S	99-4S 17-Sep-2019 [12] 99-4S	99-4S 26-May-2020 [12] 99-4S	99-4S 15-Sep-2020 [12] 99-4S	99-4S 24-Jun-2021 (13) 99-4S	99-4S 14-Sept-2021 (14) 99-4S
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	--	--	207	--	208	--	--	--	--	--	--	--	--	--	171	--	--	--	--	--
Ammonia Nitrogen	mg/l	--	--	<0.02	--	0.03	--	--	--	--	--	--	--	--	--	<0.010	--	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	24	--	11	--	--	--	--	--	--	--	--	--	11	--	--	--	--	--
Chloride	mg/l	--	250	4	--	5	--	--	--	--	--	--	--	--	--	9	--	--	--	--	--
Conductivity	uS/cm	--	--	438	--	437	--	--	--	--	--	--	--	--	--	345	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	460	--	440	--	--	--	--	--	--	424	--	--	660	--	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	235	--	232	--	--	--	--	--	--	--	--	--	184	--	--	--	--	--
Nitrogen, Total Kieldahl	mg/l	--	--	0.30	--	0.14	--	--	--	--	--	--	--	--	--	0.56	--	--	--	--	--
pH (Field)	-	--	--	7.2	--	7.99	--	--	--	--	--	--	8.01	--	--	7.4	--	--	--	--	--
Temperature (Field)	deg c	--	15	14	--	13.6	--	--	--	--	--	--	11.3	--	--	8.5	--	--	--	--	--
Total Dissolved Solids	mg/l	--	500	285	--	284	--	--	--	--	--	--	--	--	--	224	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	5.6	--	5.2	--	--	--	--	--	--	--	--	--	4.5	--	--	--	--	--
Metals																					
Boron, dissolved	mg/l	5	--	0.02	--	0.02	--	--	--	--	--	--	--	--	--	0.01	--	--	--	--	--
Calcium, dissolved	mg/l	--	--	76	--	73	--	--	--	--	--	--	--	--	--	57	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	<0.03	--	<0.03	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
Magnesium, dissolved	mg/l	--	--	11	--	12	--	--	--	--	--	--	--	--	--	10	--	--	--	--	--
Potassium, dissolved	mg/l	--	--	3	--	3	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--
Sodium, dissolved	mg/l	--	200 [3]	6	--	7	--	--	--	--	--	--	--	--	--	6	--	--	--	--	--
Strontium, dissolved	mg/l	--	--	0.126	--	0.135	--	--	--	--	--	--	--	--	--	0.092	--	--	--	--	--
Phenols																					
Phenolics, Total Recoverable	mg/l	--	--	<0.001	--	<0.001	--	--	--	--	--	--	--	--	--	<0.001	--	--	--	--	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-5D 03-Jun-2013 S-6	99-5D 30-May-2014 99-5D	99-5D 27-May-2015 99-5D	99-5D 14-Jun-2016 S-86	99-5D 09-Jun-2017 99-5D	99-5D 29-May-2018 99-5D	99-5D 06-Jun-2019 99-5D	99-5D 26-May-2020 99-5D	99-5D 25-Jun-2021 99-5D
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	391	405	278	412	426	393	410	255	367
Ammonia Nitrogen	mg/l	--	--	3.76	3.95	1.84	3.16	2.28	2.28	3.1	1.52	2
Chemical Oxygen Demand	mg/l	--	--	23	18	17	17	17	11	9	6	8
Chloride	mg/l	--	250	19	19	9	15	17	15	16	6	12
Conductivity	uS/cm	--	--	814	811	588	781	804	776	771	492	772
Conductivity (Field)	uS/cm	--	--	690	790	791	685	690	680	665	487	750
Hardness, Calcium Carbonate	mg/l	--	--	343	347	307	315	306	308	280	223	247
Nitrogen, Total Kjeldahl	mg/l	--	--	4.04	4.11	2.36	3.49	4.8	4.2	3.70	2.15	2.18
pH (Field)	-	--	--	7.1	6.95	7.04	7.5	7.6	7.6	7.7	6.30	7.6
Temperature (Field)	deg c	--	15	10	12.1	13.0	10	11	11	10	16.0	9.5
Total Dissolved Solids	mg/l	--	500	529	527	382	508	523	504	501	320	502
Total Organic Carbon	mg/l	--	--	7.2	8.0	6.7	6.2	7.8	5.4	6.8	4.3	4.2
Metals												
Boron, dissolved	mg/l	5	--	0.40	0.45	0.20	0.41	0.42	0.34	0.39	0.15	0.23
Calcium, dissolved	mg/l	--	--	101	101	90	90	96	92	81	68	71
Iron, dissolved	mg/l	--	0.3	2.03	3.93	6.10	1.64	1.31	0.94	1.39	3.94	0.41
Magnesium, dissolved	mg/l	--	--	22	23	20	22	16	19	19	13	17
Potassium, dissolved	mg/l	--	--	6	6	4	6	4	6	6	3	5
Sodium, dissolved	mg/l	--	200 [3]	46	48	20	51	4	65	69	15	86
Strontium, dissolved	mg/l	--	--	1.24	1.35	0.775	1.28	1.16	1.21	1.20	0.751	0.961
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.005	<0.001	<0.001	<0.001	0.004

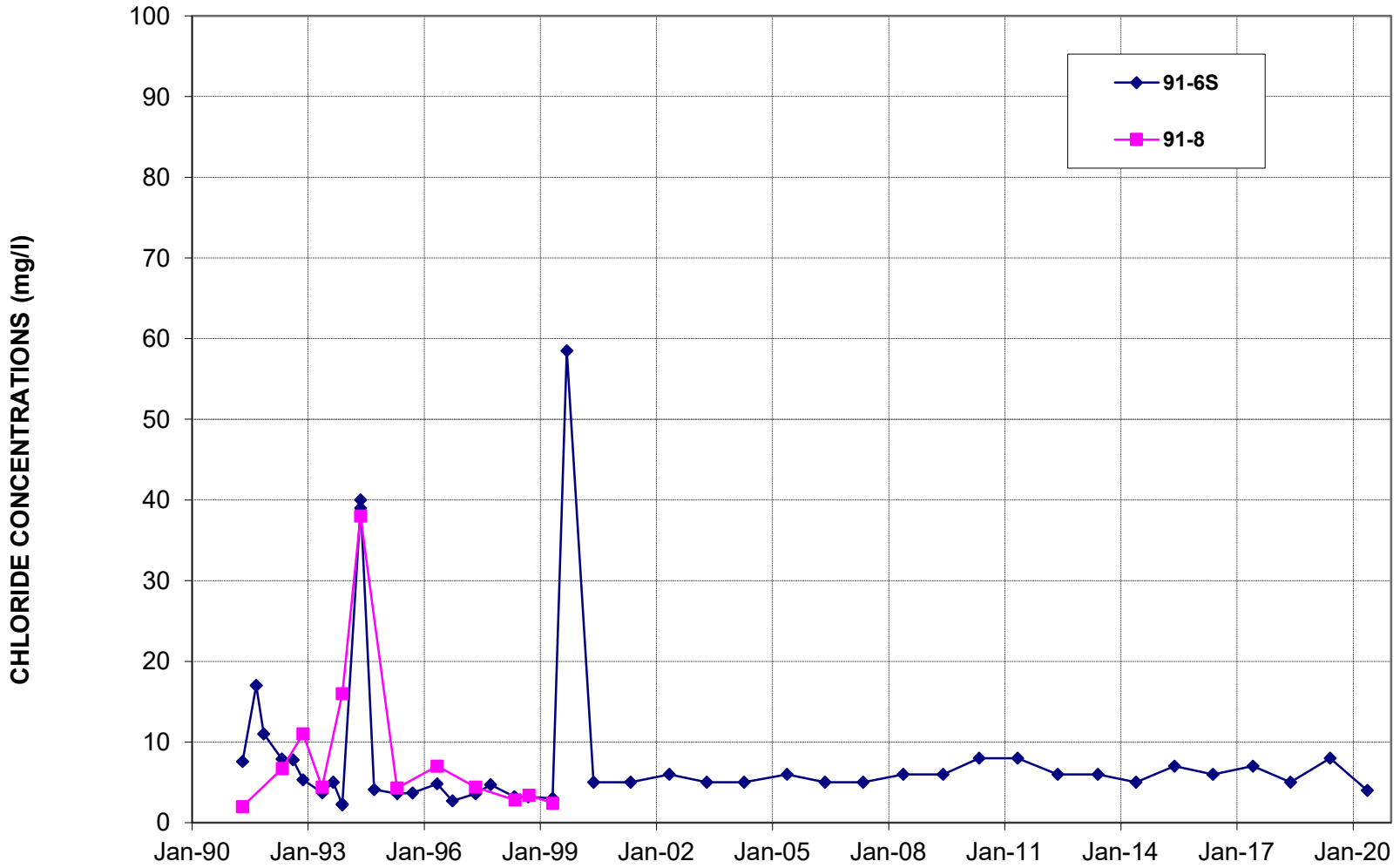
Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-5M 03-Jun-2013 S-7	99-5M 30-May-2014 99-5M	99-5M 27-May-2015 99-5M	99-5M 14-Jun-2016 S-87	99-5M 09-Jun-2017 99-5M	99-5M 29-May-2018 99-5M	99-5M 06-Jun-2019 99-5M	99-5M 26-May-2020 99-5M	99-5M 25-Jun-2021 99-5M
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	280	259	259	288	251	279	283	271	284
Ammonia Nitrogen	mg/l	--	--	0.12	0.18	0.10	0.168	0.26	0.23	0.22	0.113	0.186
Chemical Oxygen Demand	mg/l	--	--	10	6	15	13	14	11	5	8	<5
Chloride	mg/l	--	250	7	4	5	8	6	8	9	5	7
Conductivity	uS/cm	--	--	627	531	534	596	541	630	610	510	634
Conductivity (Field)	uS/cm	--	--	665	548	608	710	680	670	625	478	700
Hardness, Calcium Carbonate	mg/l	--	--	295	290	318	272	308	281	272	258	272
Nitrogen, Total Kjeldahl	mg/l	--	--	0.37	0.27	<0.10	0.62	1.0	1.5	0.55	0.450	0.361
pH (Field)	-	--	--	7.3	7.06	7.05	7.6	7.6	7.7	7.6	6.45	7.6
Temperature (Field)	deg c	--	15	11	11.3	11.5	12	10	11	10	16	92
Total Dissolved Solids	mg/l	--	500	408	345	347	387	352	410	396	332	412
Total Organic Carbon	mg/l	--	--	4.2	6.1	5.0	4.4	5.5	3.8	4.4	4.3	3.2
Metals												
Boron, dissolved	mg/l	5	--	0.08	0.09	0.08	0.14	0.14	0.13	0.15	0.16	0.14
Calcium, dissolved	mg/l	--	--	85	85	91	76	97	83	76	77	76
Iron, dissolved	mg/l	--	0.3	0.95	2.59	2.01	1.23	0.92	0.82	1.06	1.37	0.42
Magnesium, dissolved	mg/l	--	--	20	19	22	20	16	18	20	16	20
Potassium, dissolved	mg/l	--	--	4	2	2	3	4	3	3	2	4
Sodium, dissolved	mg/l	--	200 [3]	25	7	8	24	4	26	30	12	41
Strontium, dissolved	mg/l	--	--	0.920	1.10	0.946	0.995	0.918	0.911	0.964	1.07	0.863
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-5S 03-Jun-2013 S-9	99-5S 30-May-2014 99-5S	99-5S 27-May-2015 99-5S	99-5S 14-Jun-2016 S-88	99-5S 09-Jun-2017 99-5S	99-5S 29-May-2018 99-5S	99-5S 06-Jun-2019 99-5S	99-5S 26-May-2020 99-5S	99-5S 25-Jun-2021 99-5S
General Chemistry												
Alkalinity (Total as CaCO3)	mg/l	--	--	296	311	295	332	306	281	300	301	307
Ammonia Nitrogen	mg/l	--	--	0.06	0.03	<0.02	0.046	0.17	0.09	0.02	0.035	0.134
Chemical Oxygen Demand	mg/l	--	--	12	5	13	14	23	7	<5	10	<5
Chloride	mg/l	--	250	4	5	6	7	7	5	6	5	4
Conductivity	uS/cm	--	--	634	653	610	664	628	585	570	598	642
Conductivity (Field)	uS/cm	--	--	640	613	704	785	805	790	805	564	690
Hardness, Calcium Carbonate	mg/l	--	--	347	363	374	338	339	324	332	316	321
Nitrogen, Total Kjeldahl	mg/l	--	--	0.38	<0.10	<0.10	0.24	1.1	1.0	0.18	0.235	0.167
pH (Field)	-	--	--	7.4	7.14	7.13	7.4	7.4	7.5	7.6	6.72	7.9
Temperature (Field)	deg c	--	15	11	10.9	10.7	13	12	11	10	16.7	10.2
Total Dissolved Solids	mg/l	--	500	412	424	396	432	408	380	370	389	417
Total Organic Carbon	mg/l	--	--	2.9	3.4	3.6	3.1	6.1	2.4	2.7	2.8	2.2
Metals												
Boron, dissolved	mg/l	5	--	0.04	0.06	0.04	0.05	0.04	0.05	0.05	0.06	0.06
Calcium, dissolved	mg/l	--	--	96	99	102	89	96	90	90	87	84
Iron, dissolved	mg/l	--	0.3	0.20	0.13	0.34	0.31	0.40	0.04	0.20	0.06	0.08
Magnesium, dissolved	mg/l	--	--	26	28	29	28	24	24	26	24	27
Potassium, dissolved	mg/l	--	--	4	4	3	4	13	4	3	3	4
Sodium, dissolved	mg/l	--	200 [3]	10	9	7	17	11	11	10	10	24
Strontium, dissolved	mg/l	--	--	0.950	1.13	0.854	1.02	0.829	1.01	0.988	1.12	1
Phenols												
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.004

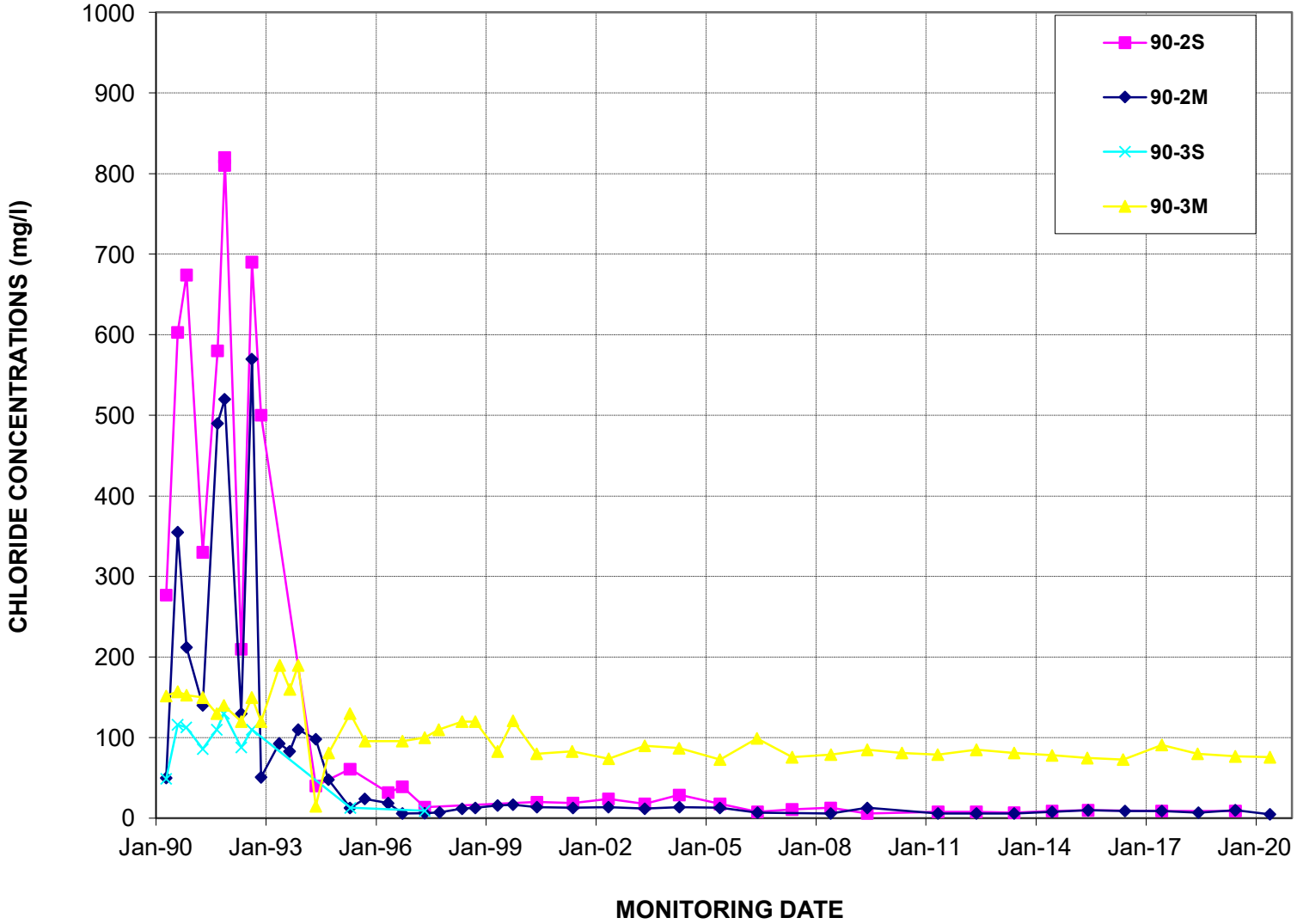
Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	LEACHATE 11-Jun-2013 [5] B - 21	LEACHATE 19-Nov-2013 [16] W - 13	LEACHATE 17-Jun-2014 Leachate	LEACHATE 02-Sep-2014 [6] B-10	LEACHATE 03-Jun-2015 L-1	LEACHATE 22-Sep-2015 L-1	LEACHATE 25-May-2016 S-17	LEACHATE 13-Sep-2016 L-1	LEACHATE 06-Jun-2017 L-1	LEACHATE 06-Sep-2017 LEACHATE	LEACHATE 01-Jun-2018 L-1	LEACHATE 12-Sep-2018 L-1	LEACHATE 18-Jun-2019 LEACHATE	LEACHATE 19-Sep-2019 L-1	LEACHATE 22-May-2020 L-1	LEACHATE 22-May-2020 [17] L-1	LEACHATE 17-Sep-2020 [17] LEACHATE	LEACHATE 14-Sept-2021 [17] LEACHATE	LEACHATE 2-Nov-2021 [17] LEACHATE
General Chemistry																						
Alkalinity (Total as CaCO3)	mg/l	--	--	453	469	494	575	500	581	540	945	490	551	514	978	486	896	512	--	957	965	565
Ammonia, unionized (Field)	mg/l	--	--	--	<0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ammonia Nitrogen	mg/l	--	--	8.51	13.7	15.8	19.1	18.9	22.7	19.2	55.7	16.5	22.0	18.7	67.9	17.4	55.2	18.2	--	79.4	61.9	21.8
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	4	2	2	3	<4	1	8	7	2	<1	5	3	8	6	6	--	5	7	2
Bromide	mg/l	--	--	<0.25	0.38	<0.25	0.43	0.25	0.39	<0.25	1.15	0.30	0.30	0.30	1.44	<0.25	1.09	0.27	--	1.14	1.26	<1.2
Chemical Oxygen Demand	mg/l	--	--	20	30	31	26	53	45	40	95	36	36	40	97	24	82	43	--	92	92	26
Chloride	mg/l	--	250	16	37	39	63	49	61	46	189	38	63	45	208	38	172	39	--	177	175	63
Color	color unit	--	5	--	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Conductivity	uS/cm	--	--	909	--	1020	1240	1080	1220	1090	2190	965	1170	1060	2360	971	2190	1020	--	2240	2190	1230
Conductivity (Field)	uS/cm	--	--	1388	1792	1025	1620	1895	1770	1142	1165	1305	1380	1405	1620	1520	1599	1442	1442	1464	2560	2560
Cyanide	mg/l	0.2	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	0.16	0.17	0.19	0.18	0.20	0.19	0.17	0.37	0.16	0.19	0.18	0.48	0.16	<0.10	<0.10	--	0.31	0.36	0.16
Hardness, Calcium Carbonate	mg/l	--	--	431	424	415	483	428	461	411	634	399	444	372	569	401	605	390	--	619	581	512
Nitrate as N	mg/l	10.0	--	0.17	<0.10	<0.10	<0.10	<0.10	0.49	0.30	<0.10	0.12	<0.10	0.51	<0.10	<0.10	0.15	0.60	--	0.42	0.44	0.90
Nitrite as N	mg/l	1.0	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	--	<0.50	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	9.01	13.9	15.9	23.5	21.3	23.5	20.5	67.8	19.0	24.6	15.6	60.8	16.3	56.8	19.8	--	120	64.2	22.9
pH (Field)	-	--	--	6.4	6.3	6.73	6.4	7.0	6.6	6.8	6.7	6.7	6.7	6.8	6.6	6.7	6.6	6.7	6.7	6.64	6.85	6.85
Phosphorus	mg/l	--	--	--	0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	<0.01	<0.09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	<0.0030	<0.2	<0.010	--	<0.010	<0.010	<0.010
Sulphate	mg/l	--	500 [4]	20	13	5	7	7	7	5	10	6	5	4	6	5	9	6	--	7	9	29
Temperature (Field)	deg c	--	15	18	14	15.6	22	16	20	15	17	16	18	16	19	17	18	15	15	15	13.9	13.9
Total Dissolved Solids	mg/l	--	500	591	--	663	806	702	793	708	1420	627	760	689	1530	631	1420	663	--	1460	1420	800
Total Organic Carbon	mg/l	--	--	10.6	--	11.8	14.9	11.9	14.0	11.8	31.6	15.0	17.3	52.9	37.6	11.3	1.2	11.2	--	31.6	31.4	11.9
Turbidity	ntu	--	5 [19]	--	66.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																						
Aluminum, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	0.01	<0.01
Arsenic, dissolved	mg/l	0.01	--	<0.01	<0.01	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001
Barium, dissolved	mg/l	1	--	0.11	0.14	0.15	0.16	0.11	0.14	0.16	0.35	0.10	0.18	0.16	0.41	0.14	0.36	0.14	--	0.34	0.32	0.22
Beryllium, dissolved	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	0.26	0.25	0.30	0.41	0.37	0.42	0.36	0.86	0.32	0.44	0.34	0.96	0.31	0.90	0.32	--	0.93	0.92	0.42
Cadmium, dissolved	mg/l	0.005	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	--	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	123	112	110	124	112	117	107	155	107	115	101	134	111	150	105	--	154	137	134
Chromium, dissolved	mg/l	0.05	--	0.006	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.002	0.002	0.002	<0.001	--	0.002	0.002	0.001
Cobalt, dissolved	mg/l	--	--	0.0020	0.0017	0.0022	0.0036	0.0018	0.0021	0.0016	0.0028	0.0013	0.0018	0.0015	0.0039	0.0012	0.0033	0.0012	--	0.0031	0.0038	0.0015
Copper, dissolved	mg/l	--	1	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	0.001
Hexavalent Chromium	mg/l	--	--	--	0.00007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron, dissolved	mg/l	--	0.3	5.93	7.15	12.1	8.23	0.07	1.77	8.40	3.52	0.78	5.16	8.25	17.8	8.01	6.06	6.09	--	7.68	12.2	6.32
Lead, dissolved	mg/l	0.01	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	30	35	34	42	36	41	35	60	32	38	29	57	30	56	31	--	57	58	43
Manganese, dissolved	mg/l	--	0.05	0.63	0.55	0.71	0.87	0.69	0.77	0.66	0.46	0.48	0.56	0.57	0.48	0.50	0.55	0.40	--	0.54	0.37	0.35
Molybdenum, dissolved	mg/l	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	0.006	0.006	0.006	0.009	0.008	0.008	0.007	0.018	0.006	0.008	0.008	0.021	0.006	0.018	0.007	--	0.021	0.021	0.006
Potassium, dissolved	mg/l	--	--	8	11	13	16	12	16	15	39	12	16	14	44	11	40	12	--	41	40	17
Silver, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	--	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [3]	21	39	42	60	46	60	50	168	38	58	42	182	32	147	38	--	160	166	60
Strontium, dissolved	mg/l	--	--	0.343	0.372	0.361	0.414	0.419	0.492	0.438	1.09	0.343	0.506	0.404	1.12	0.389	1.04	0.381	--	1.04	0.986	0.549
Thallium, dissolved	mg/l	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	--	<0.0001	<0.0001	<0.0001
Titanium, dissolved	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	0.006	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.002	<0.001	--	0.002	0.002	<0.001
Zinc, dissolved	mg/l	--	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002
Phenols																						
Phenolics, Total Recoverable	mg/l	--	--	<0.001	<0.001	<0.001	<0.005	<0.002	<0.001	0.001	0.001	0.005	0.002	<0.001	0.011	0.001	0.018	0.013	--	0.021	0.016	0.002

Footnotes:	
	Tables should be read in conjunction with the accompanying document.
<	Indicates parameter not detected above laboratory method detection limit.
>	Indicates parameter detected above equipment analytical range.
--	Chemical not analyzed or criteria not defined.
Value	Parameter is greater than ODWQS(169/03)-Health
Value	Parameter is greater than ODWQS-AO
(1)	Ontario Drinking Water Quality Standards - Health Based Standards (June 2003, revised January 2020).
(2)	Ontario Drinking Water Quality Standards - Aesthetic Objectives. Aesthetic Objectives are established for parameters that may impair the taste, odour or colour of water or which may interfere with good water quality control practices. For certain parameters, both aesthetic objectives and health-related MACs have been derived (June 2003, revised July 2017).
(3)	The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.
(4)	There may be a laxative effect in some individuals when sulphate levels exceed 500 mg/L.
(5)	Arsenic MRL elevated due to matrix interference (dilution was done).
(6)	Zirconium and Arsenic MRL elevated due to matrix interference (dilution was done).
(7)	TKN results are less than results for N-NH3; results have been confirmed.
(8)	Phenols MRL elevated due to matrix interference (5X dilution was done).
(9)	Phenols MRL elevated due to matrix interference (2X dilution was done).
(10)	TKN analysed at Pointe Claire facility.
(11)	Sediment was not included in metals analysis.
(12)	Monitoring location was dry during this sampling event. No sample was collected.
(13)	Not enough water to measure field parameters.
(14)	TKN analysed at Pointe Claire facility. TOC analysed at Edmonton facility.
(15)	Sampling location is not operational.
(16)	Holding time for turbidity analysis was exceeded. Due to lab error (incorrect bottle type) the CrVI results should be interpreted with caution. Arsenic MRL elevated due to matrix interference (dilution was done). Sample was subcontracted for Chromium (VI) analysis.
(17)	Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x).
(18)	N-NO2 MRL elevated due to matrix interference (dilution was done).
(19)	Applicable for all waters at the point of consumption.

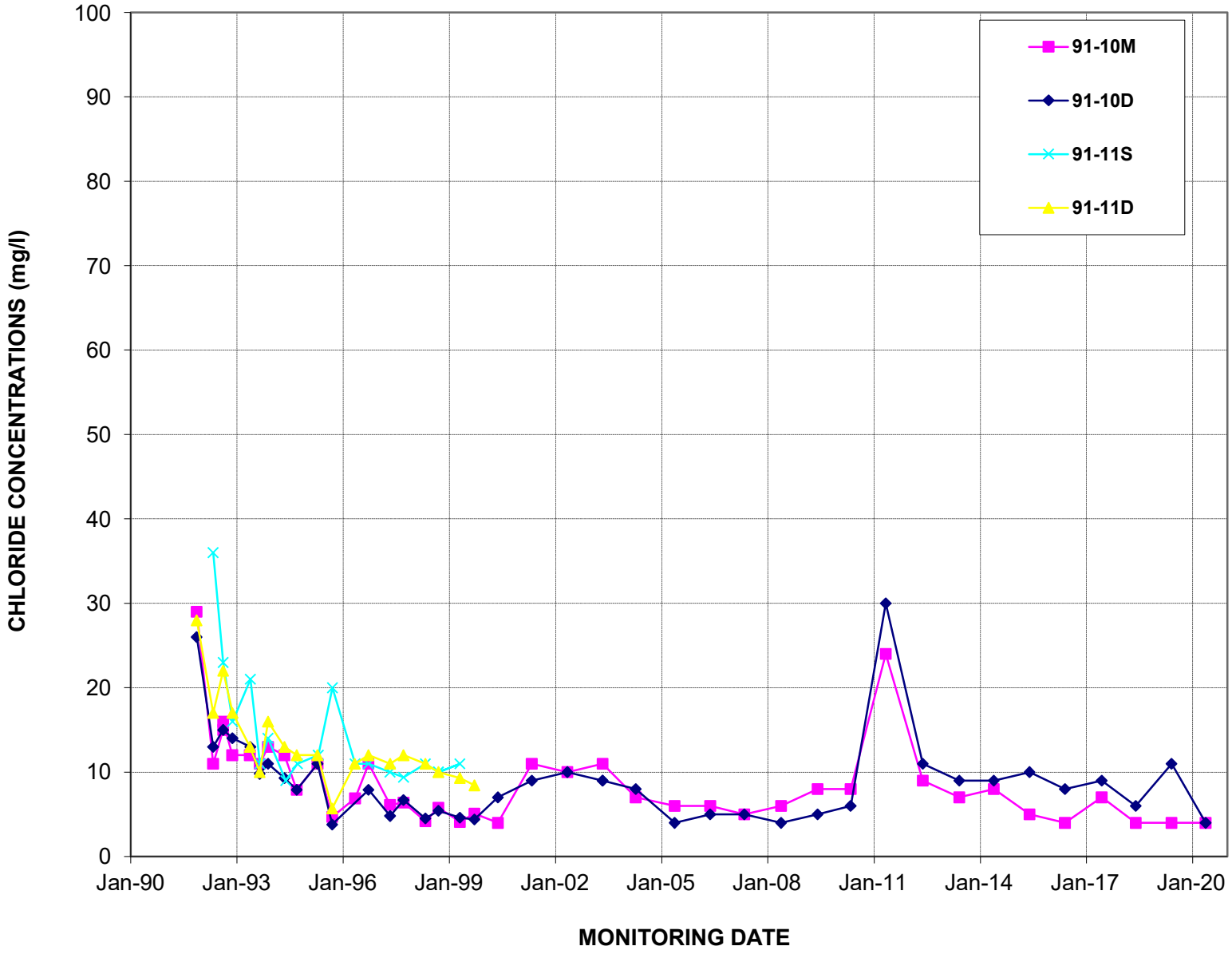
APPENDIX 7
Chloride Concentration Trends in Groundwater



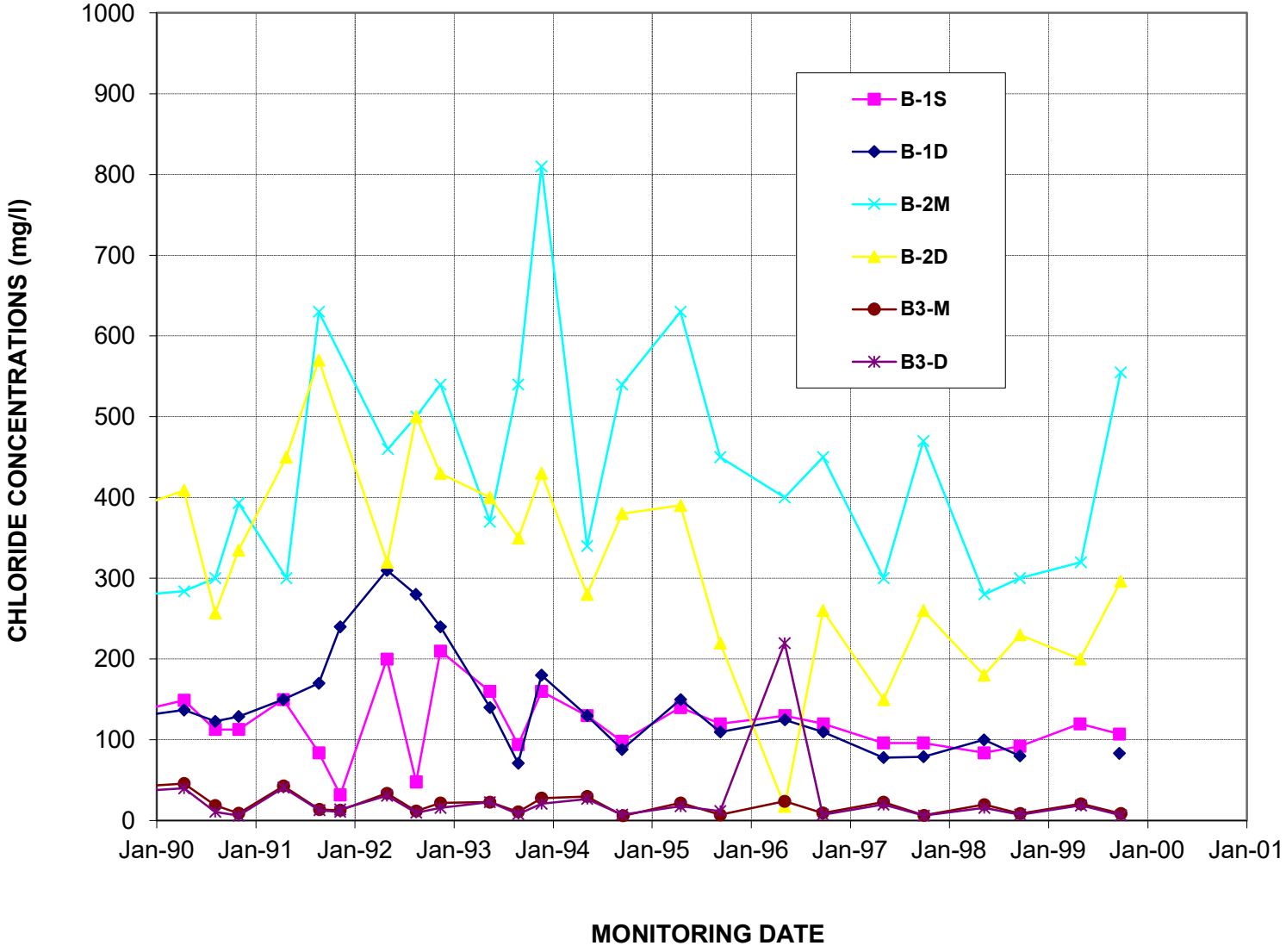
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BACKGROUND OVERBURDEN MONITORS**	Figure 1



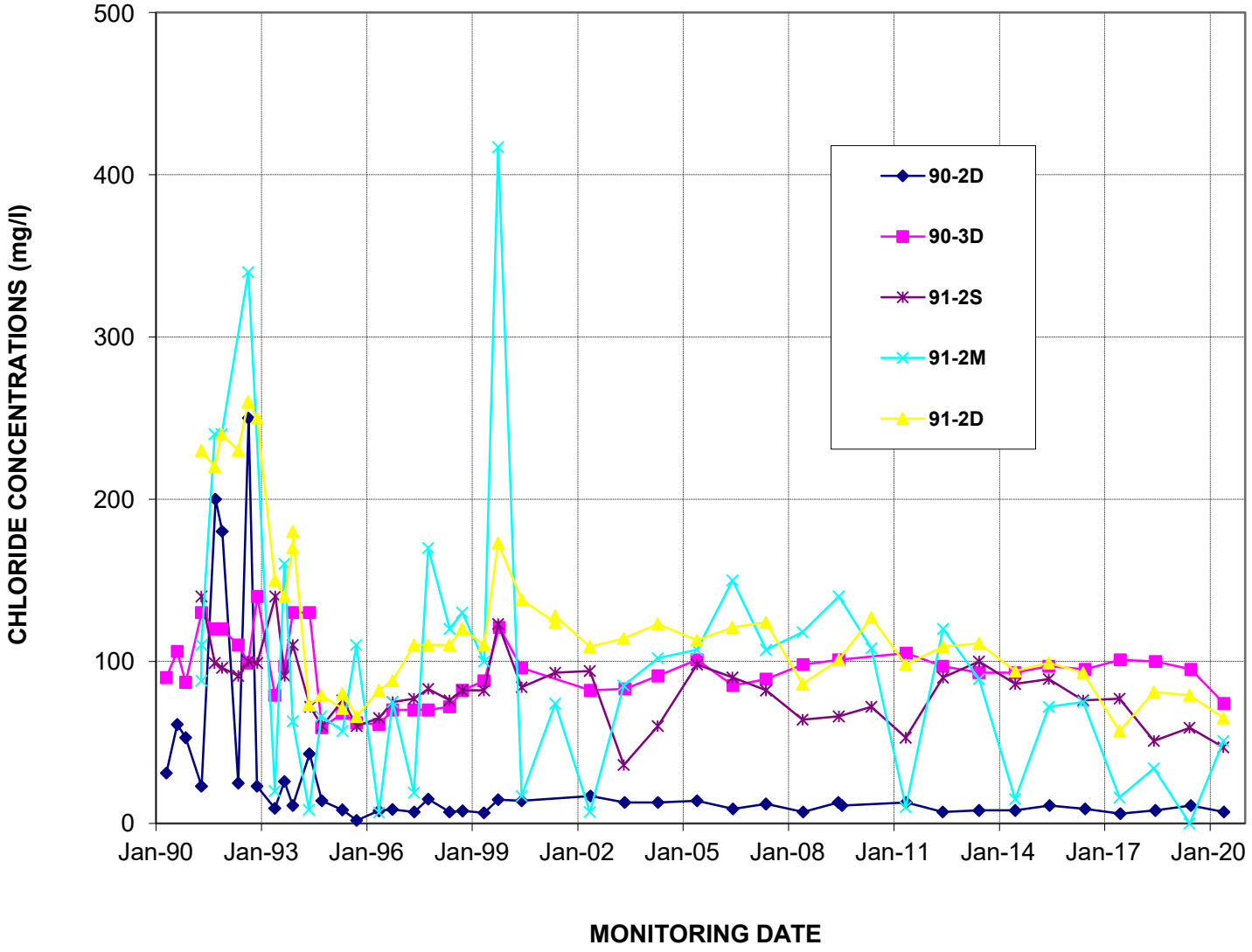
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS OVERBURDEN MONITORS**	Figure 2



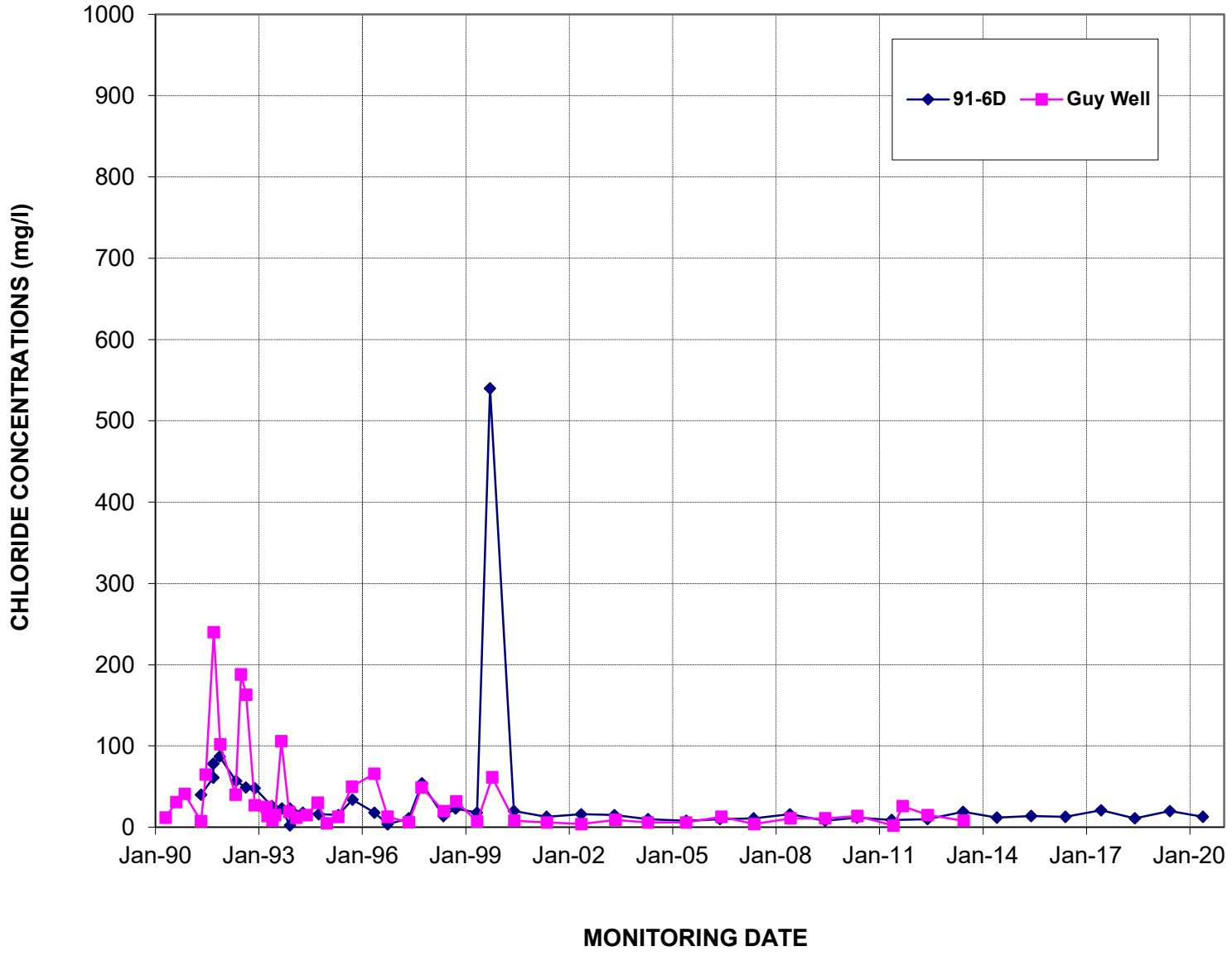
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BACKGROUND (PART OF GROUP B) BEDROCK MONITORS**	Figure 3



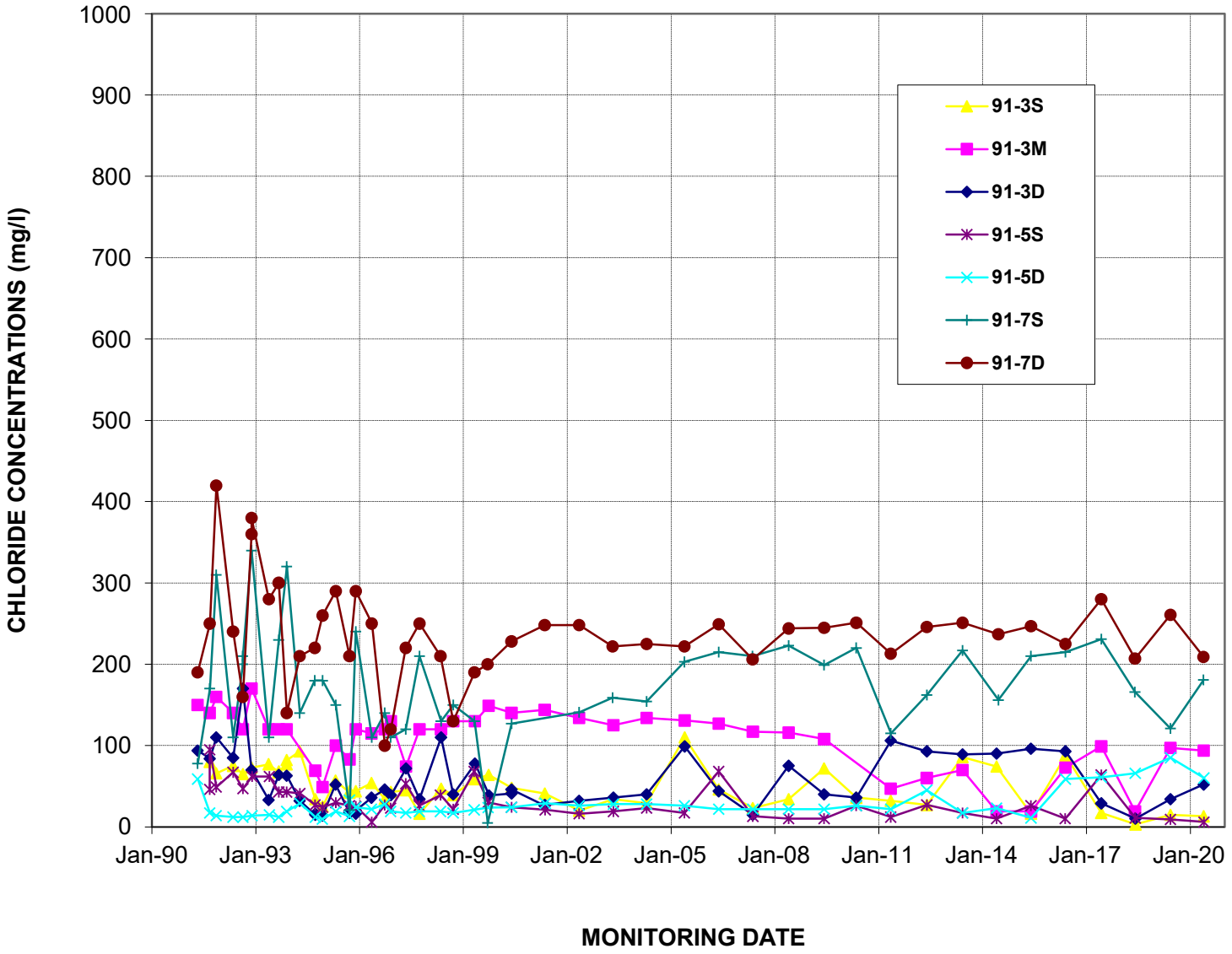
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 4



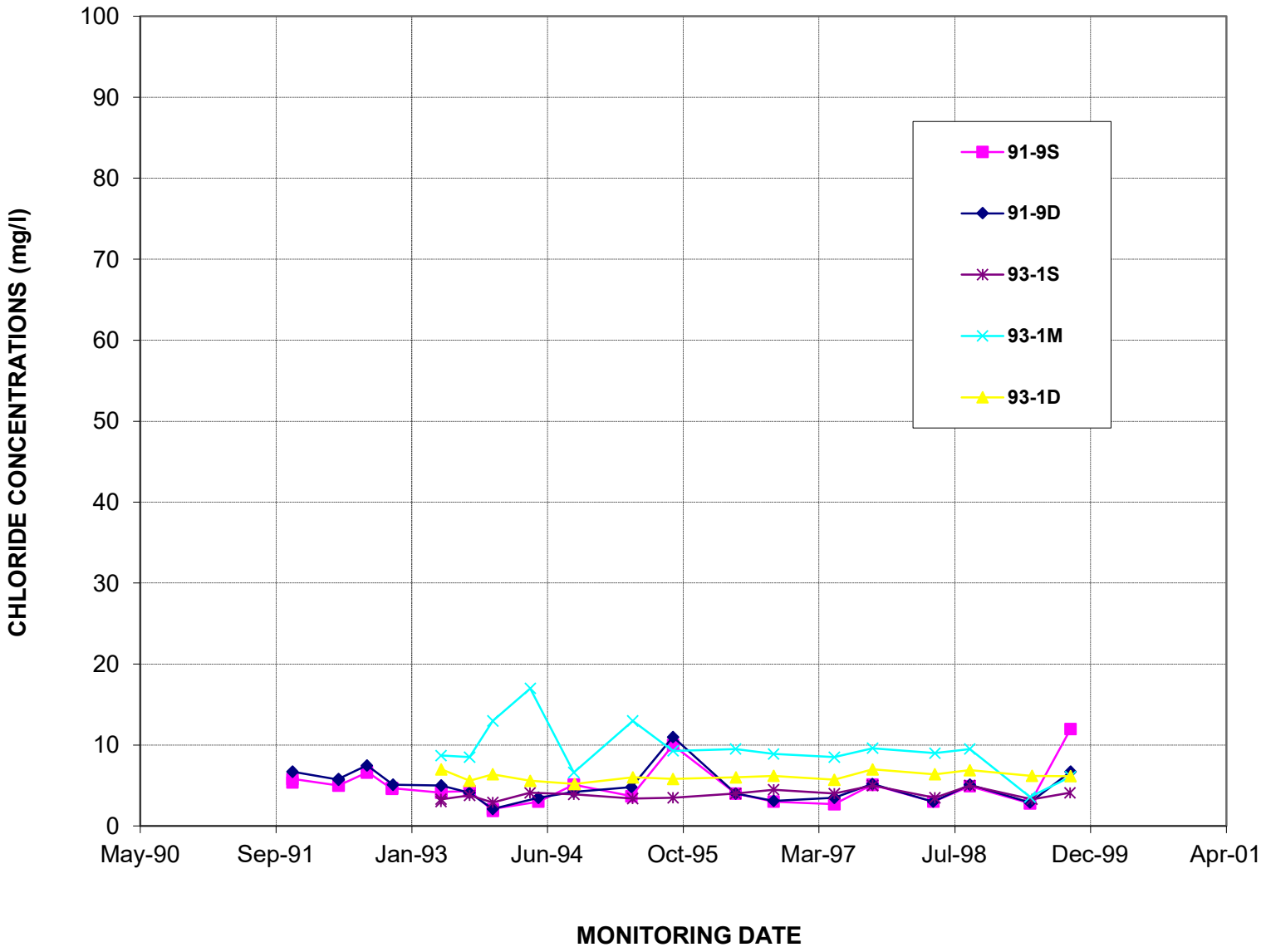
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 5



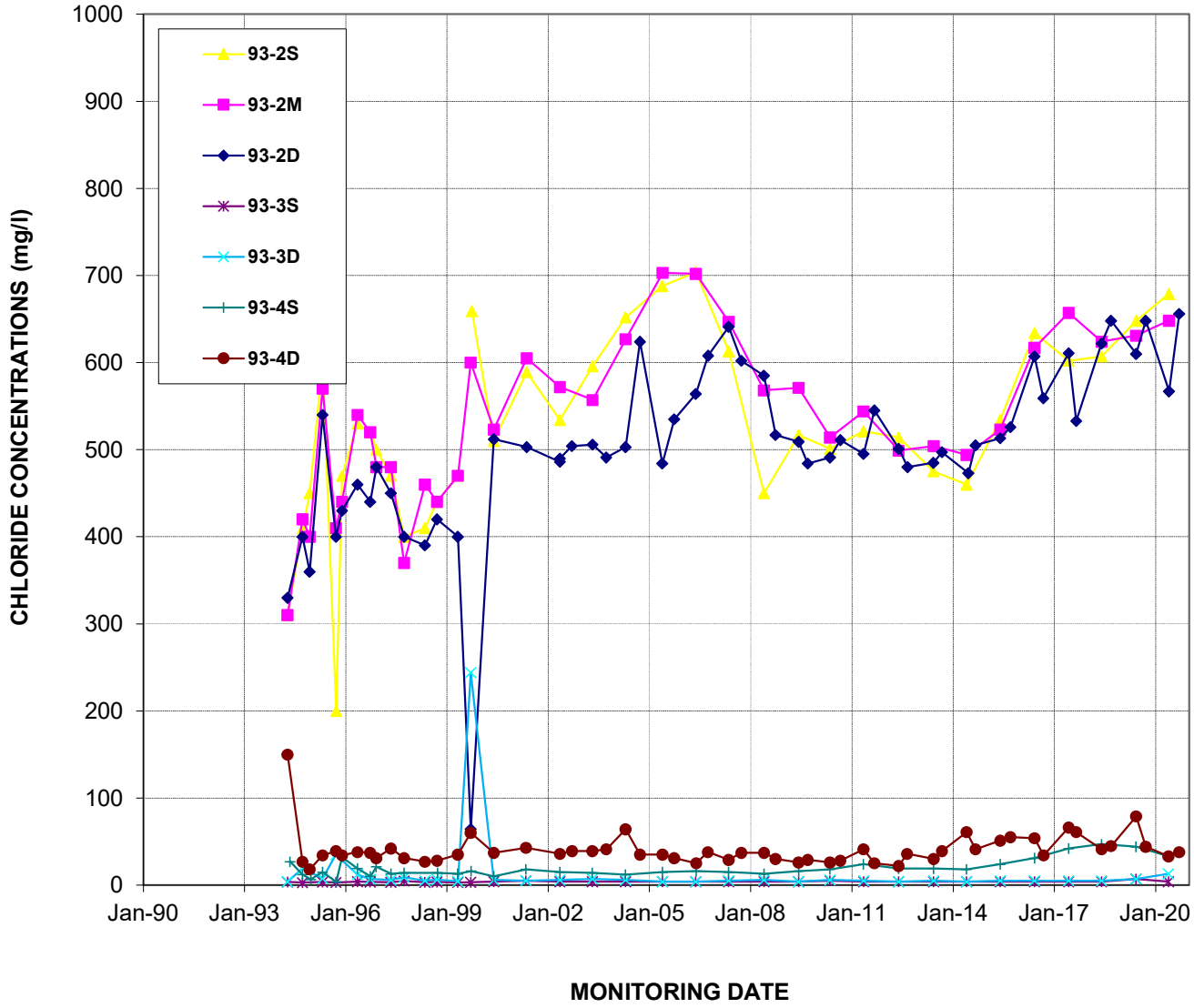
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 6



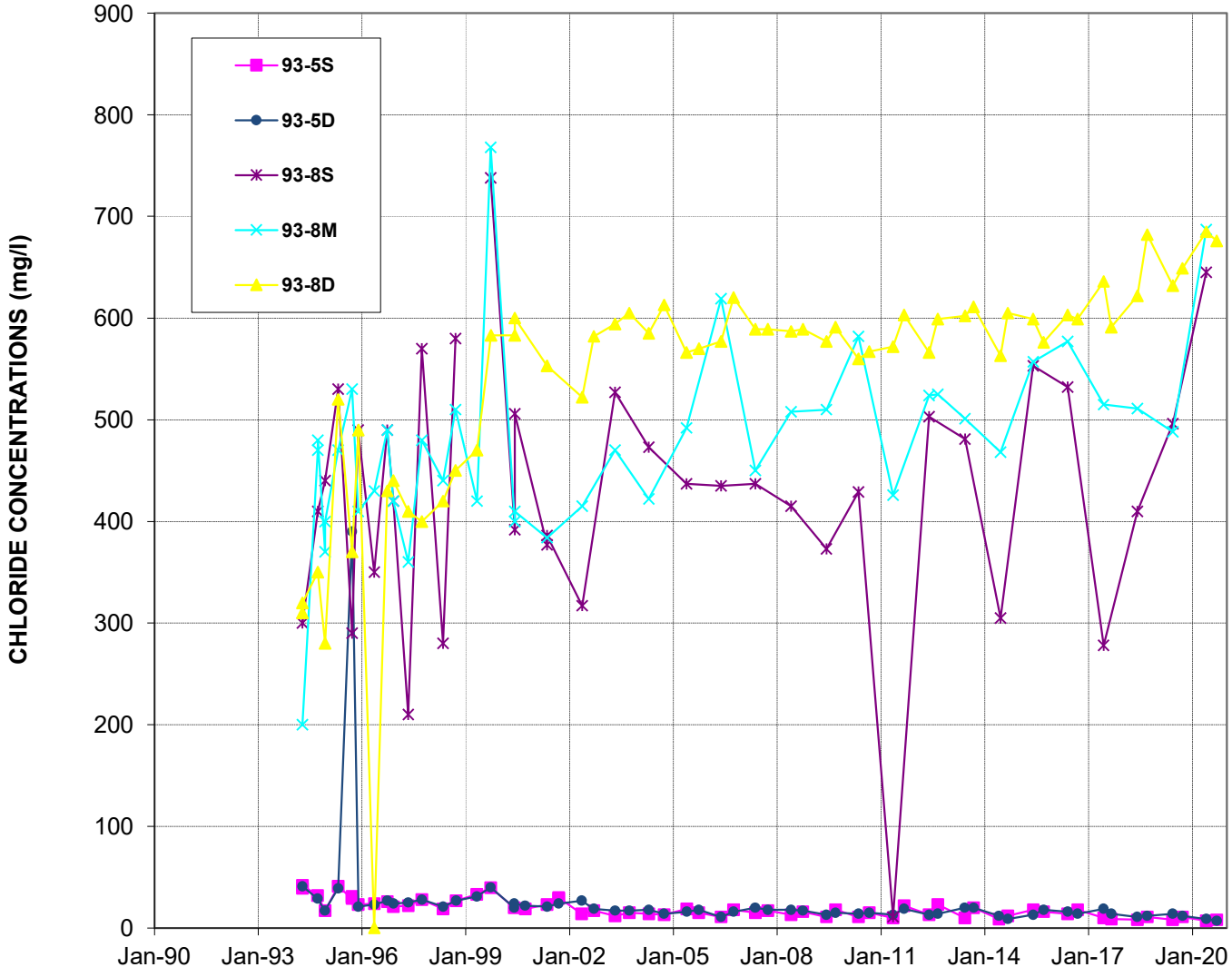
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 7



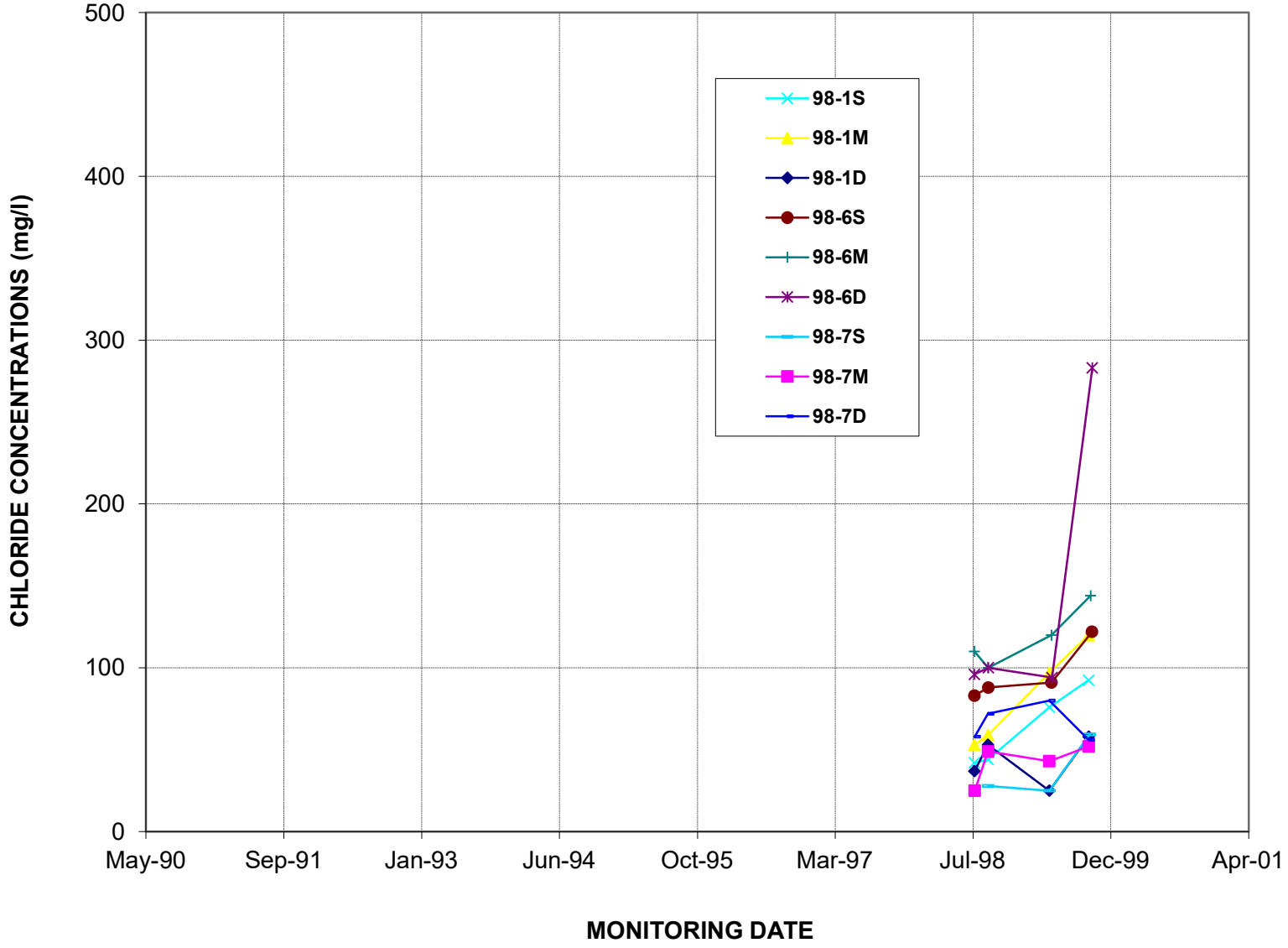
GOLDER MEMBER OF WSP	May 2021	Created by: SPS	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 8
	21452058	Checked by: LEB		



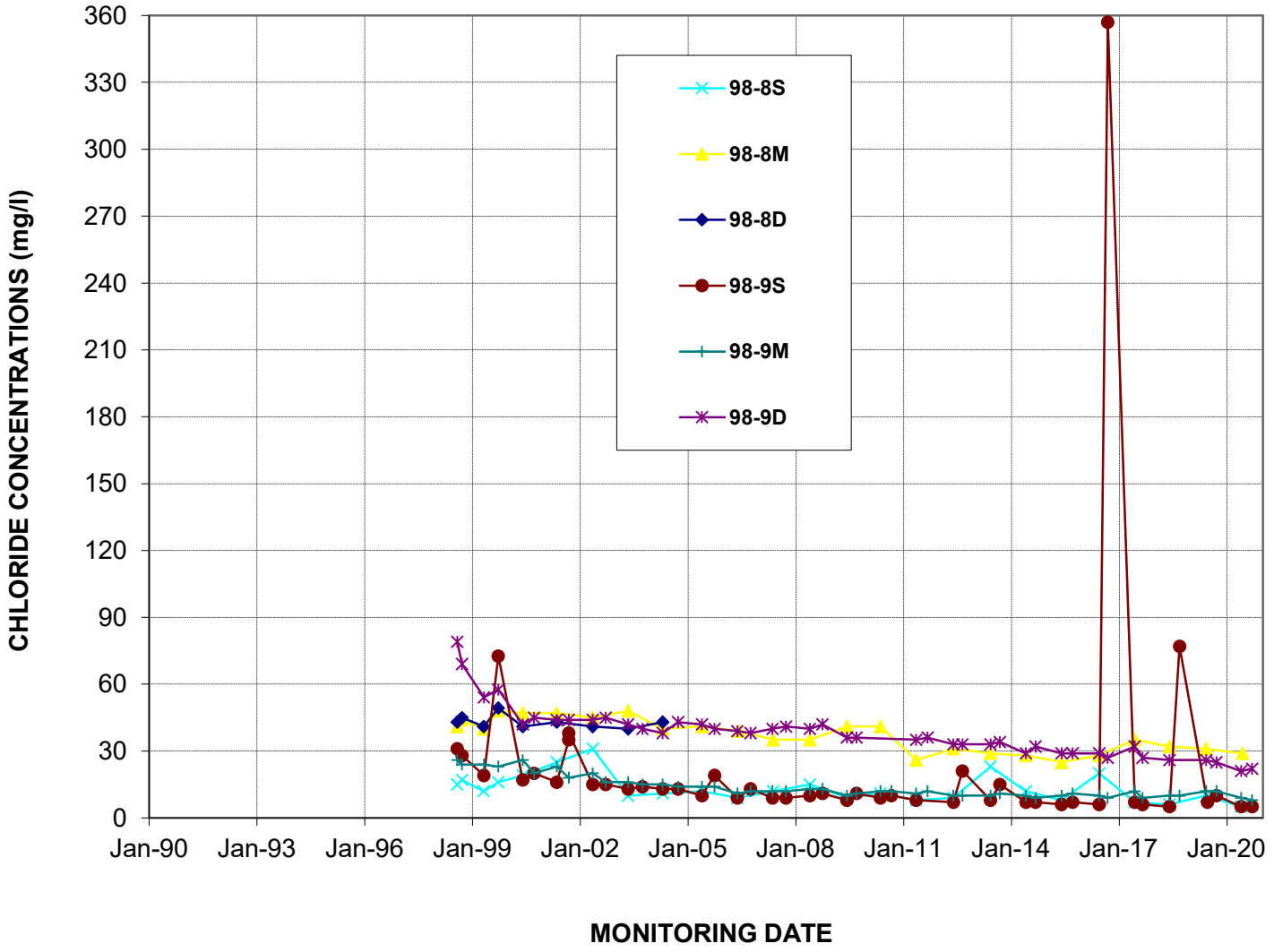
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 9



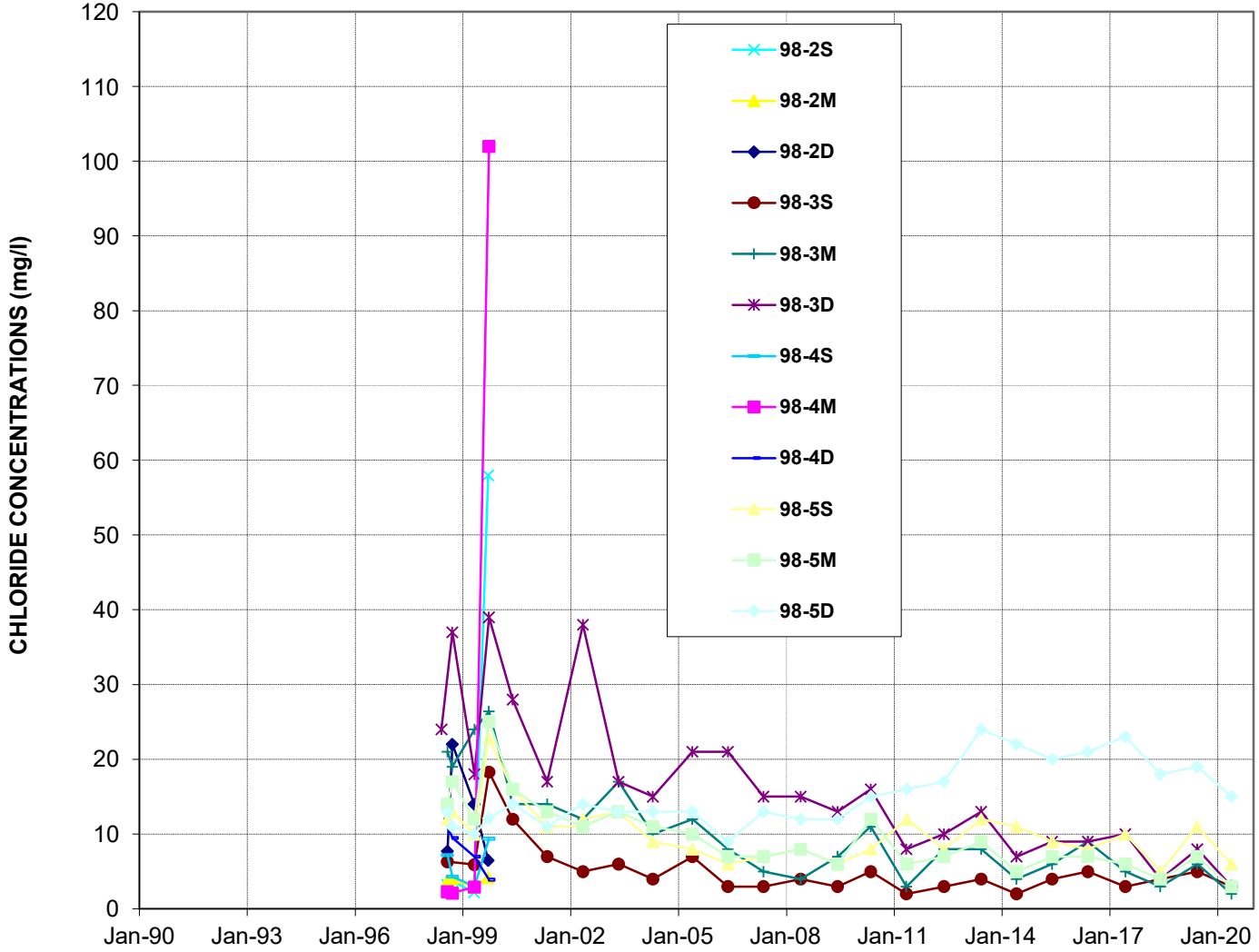
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 10



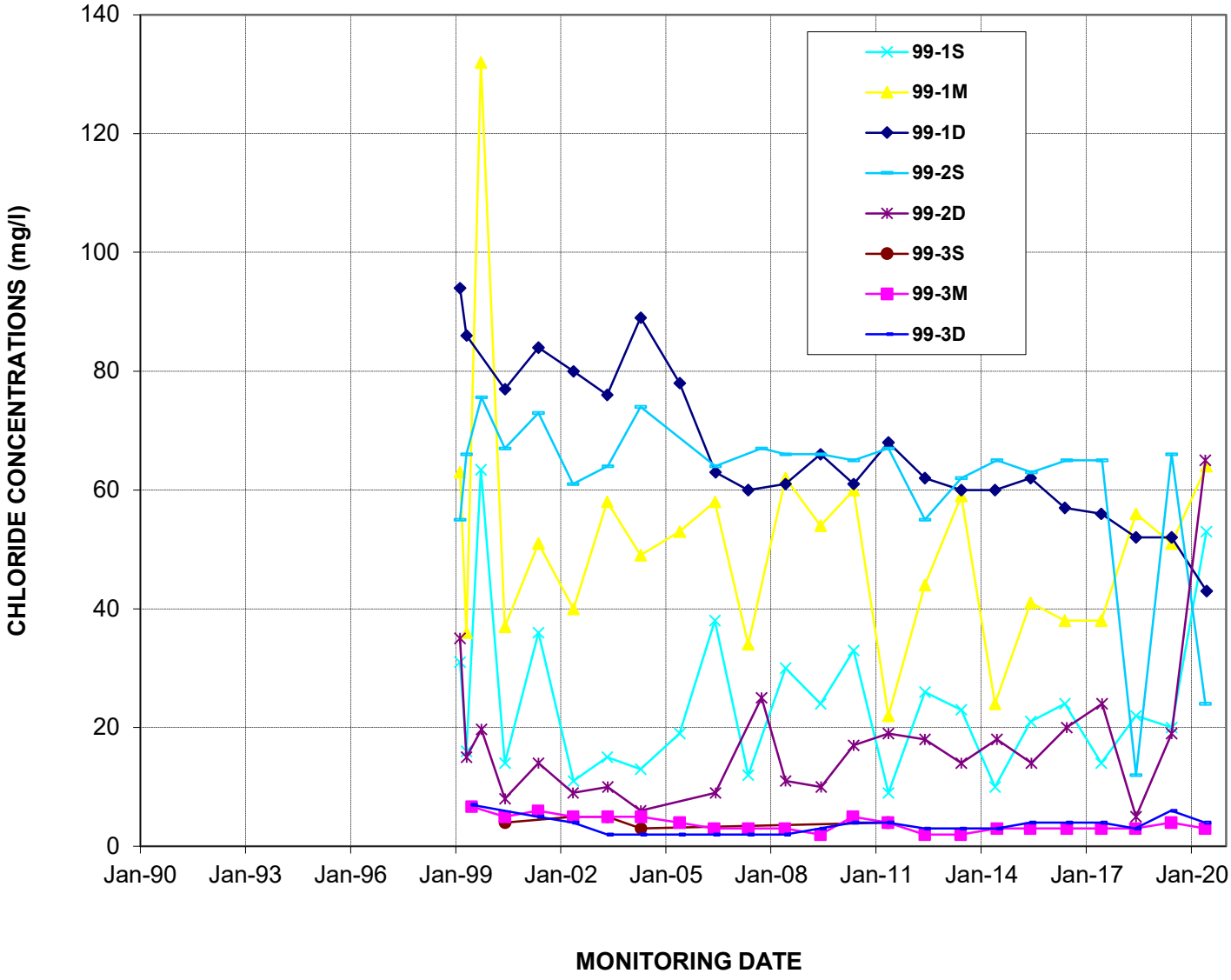
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 11



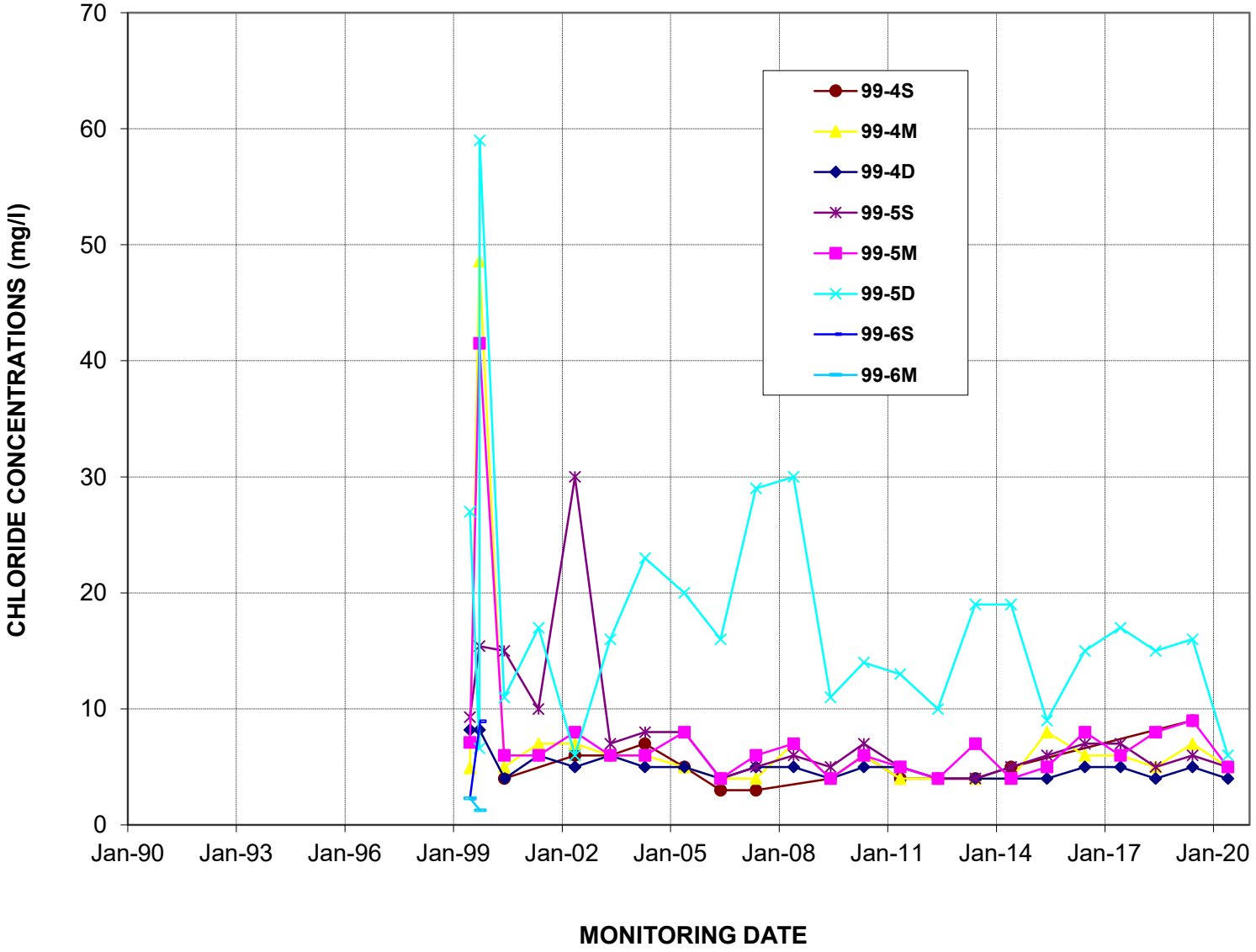
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 12



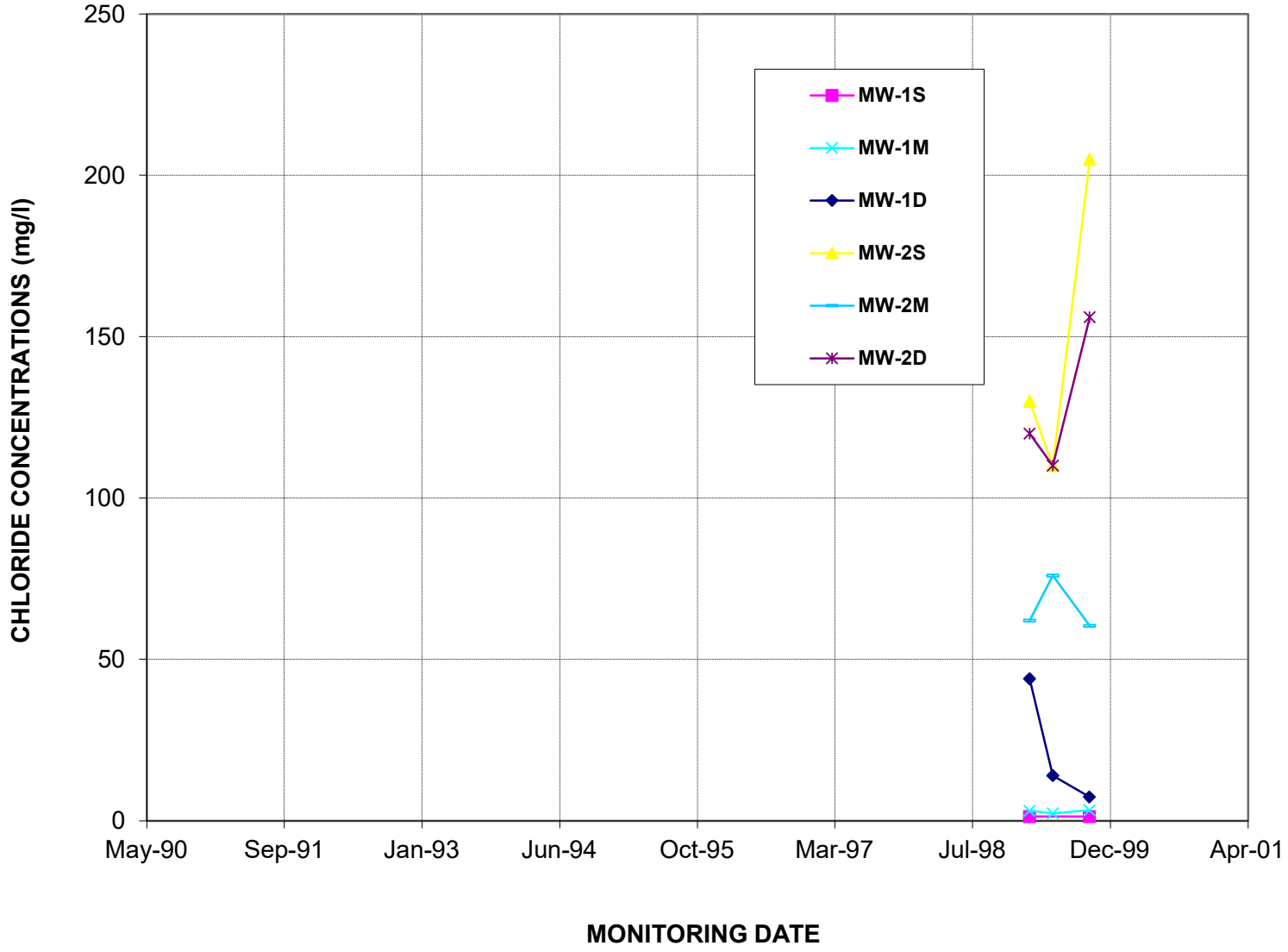
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 13



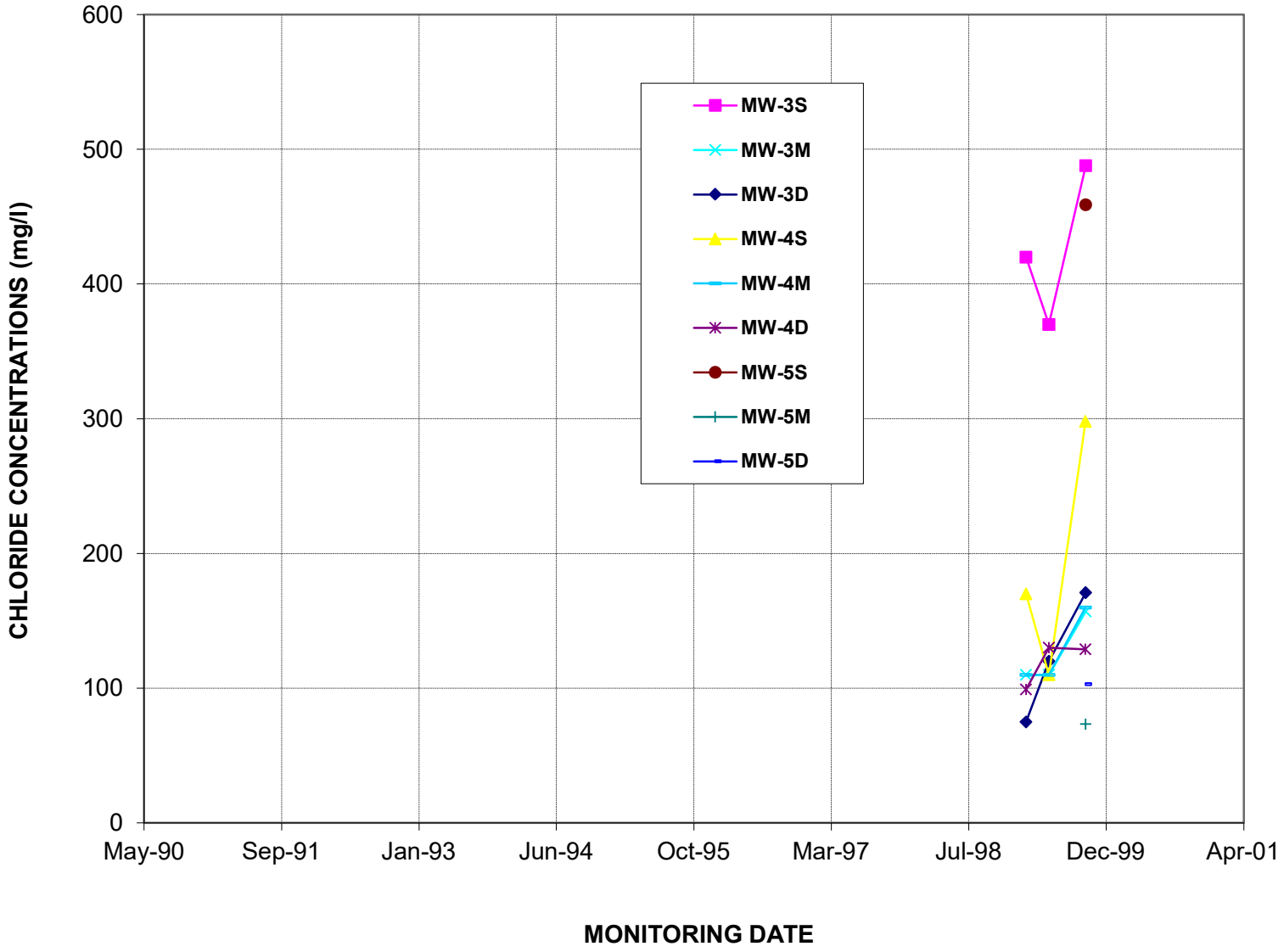
GOLDER MEMBER OF WSP	May 2021 20138307	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 14



GOLDER MEMBER OF WSP	May 2021	Created by: SPS	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 15
	21452058	Checked by: LEB		



GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 16



GOLDER MEMBER OF WSP	May 2021 Created by: SPS 21452058 Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS BEDROCK MONITORS**	Figure 17

APPENDIX 8
Inorganic and VOC Chemical Data for Domestic Wells

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	83 Centre St. 17-Feb-1999
VOCs					
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005
Methyl Ethyl Ketone	mg/l	--	--	--	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005
Acetone	mg/l	--	--	--	<0.02
Benzene	mg/l	0.001	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005
Bromoform	mg/l	--	--	--	<0.0005
Bromomethane	mg/l	--	--	--	<0.0013
Carbon Tetrachloride	mg/l	0.002	--	--	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005
Chloroethane	mg/l	--	--	--	<0.005
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005
Dibromochloromethane	mg/l	--	--	--	<0.0005
Ethylbenzene	mg/l	0.14	0.0016	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001
o-Xylene	mg/l	--	--	--	<0.0005
Styrene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.01	--	--	<0.0005
Toluene	mg/l	0.06	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005
Trichloroethene	mg/l	0.005	--	--	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.005
Vinyl Chloride	mg/l	0.001	--	--	<0.0005

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	BASTEN WELL 16-Sept-2021 BASTEN
General Chemistry					
Alkalinity (Total as CaCO3)	mg/l	--	--	500	338
Ammonia Nitrogen	mg/l	--	--	--	<0.010
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	2
Bromide	mg/l	--	--	--	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	<5
Chloride	mg/l	--	250	--	63
Conductivity (Field)	uS/cm	--	--	--	940
Cyanide	mg/l	0.2	--	--	<0.005
Fluoride	mg/l	1.5	--	--	<0.10
Hardness, Calcium Carbonate	mg/l	--	--	100	*371*
Nitrate as N	mg/l	10.0	--	--	4.84
Nitrite as N	mg/l	1.0	--	--	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.688
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--
pH (Field)	-	--	--	8.5	7.1
Phosphate	mg/l	--	--	--	--
Phosphorus	mg/l	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	<0.01
Sulphate	mg/l	--	500 [10]	--	16
Temperature (Field)	deg c	--	15	--	12
Total Dissolved Solids	mg/l	--	500	--	549
Total Organic Carbon	mg/l	--	--	--	1.4
Metals					
Aluminum, dissolved	mg/l	--	--	0.1	<0.01
Arsenic, dissolved	mg/l	0.01	--	--	<0.001
Barium, dissolved	mg/l	1	--	--	0.02
Beryllium, dissolved	mg/l	--	--	--	<0.0005
Boron, dissolved	mg/l	5	--	--	0.02
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001
Calcium, dissolved	mg/l	--	--	--	94
Chromium, dissolved	mg/l	0.05	--	--	<0.001
Cobalt, dissolved	mg/l	--	--	--	<0.0002
Copper, dissolved	mg/l	--	1	--	0.029
Iron, dissolved	mg/l	--	0.3	--	<0.03
Lead, dissolved	mg/l	0.01	--	--	<0.001
Magnesium, dissolved	mg/l	--	--	--	33
Manganese, dissolved	mg/l	--	0.05	--	<0.01
Molybdenum, dissolved	mg/l	--	--	--	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.005
Potassium, dissolved	mg/l	--	--	--	1
Silicon, dissolved	mg/l	--	--	--	--
Silver, dissolved	mg/l	--	--	--	<0.0001
Sodium, dissolved	mg/l	--	200 [11]	--	37
Strontium, dissolved	mg/l	--	--	--	0.077
Thallium, dissolved	mg/l	--	--	--	<0.0001
Titanium, dissolved	mg/l	--	--	--	<0.01
Vanadium, dissolved	mg/l	--	--	--	<0.001
Zinc, dissolved	mg/l	--	5	--	0.01
Zirconium, dissolved	mg/l	--	--	--	<0.002
Phenols					
Phenolics, Total Recoverable	mg/l	--	--	--	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	BATH WELL 20-Dec-1994	BATH WELL 20-Apr-1995	BATH WELL 13-Sep-1995	BATH WELL 08-Jul-1996	BATH WELL 26-Sep-1996
General Chemistry									
Alkalinity, Carbonate as CaCO3	mg/l	--	--	--	230	210	220	150	220
Ammonia Nitrogen	mg/l	--	--	--	<0.1	0.39	<0.1	<0.06	<0.06
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	<3	<3	3	<2	<2
Bromide	mg/l	--	--	--	0.15	<0.1	<0.1	0.18	0.11
Chemical Oxygen Demand	mg/l	--	--	--	8	<5	38	12	<5
Chloride	mg/l	--	250	--	25	58	39	45	36
Conductivity	uS/cm	--	--	--	575	850	700	400	520
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.005	<0.005
Fluoride	mg/l	1.5	--	--	<0.1	<0.1	<0.1	0.1	0.14
Hardness, Calcium Carbonate	mg/l	--	--	100	*400*	*350*	*340*	*310*	*250*
Nitrate	mg/l	-- [8]	--	--	2.3	4.4	0.68	3.6	5.2
Nitrite	mg/l	-- [9]	--	--	<1	<0.1	<1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.5	<0.1	0.36	0.45	0.24
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	<3.3	<4.5	<1.68	<3.7	<5.3
Nitrogen, Organic	mg/l	--	--	0.15	<0.5	--	<0.36	<0.45	<0.24
pH	-	--	--	8.5	7.3	7.1	7.3	8	7.8
Phosphate	mg/l	--	--	--	<0.1	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	--	--	<1	<0.2
Sulphate	mg/l	--	500 [10]	--	23	24	34	48	45
Temperature	deg c	--	15	--	7	10	10	--	9.5
Total Dissolved Solids	mg/l	--	500	--	350	320	400	420	390
Total Organic Carbon	mg/l	--	--	--	1.7	2.2	2.1	9	5
Metals									
Aluminum, dissolved	mg/l	--	--	0.1	0.05	<0.05	0.05	<0.1	<0.1
Arsenic, dissolved	mg/l	0.01	--	--	<0.002	<0.002	<0.002	<0.005	<0.005
Barium, dissolved	mg/l	1	--	--	0.14	0.12	0.17	0.08	0.1
Beryllium, dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.01
Boron, dissolved	mg/l	5	--	--	0.1	<0.05	0.06	<0.05	0.25
Cadmium, dissolved	mg/l	0.005	--	--	<0.0002	<0.005	<0.005	<0.00008	<0.00008
Calcium, dissolved	mg/l	--	--	--	130	120	110	89	78
Chromium, dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.02	<0.02
Cobalt, dissolved	mg/l	--	--	--	<0.01	<0.01	0.01	<0.09	<0.09
Copper, dissolved	mg/l	--	1	--	<0.01	<0.01	0.01	<0.02	<0.02
Iron, dissolved	mg/l	--	0.3	--	<0.05	0.23	<0.05	<0.05	<0.05
Lead, dissolved	mg/l	0.01	--	--	<0.01	0.006	0.0075	<0.0006	<0.0006
Magnesium, dissolved	mg/l	--	--	--	16	20	15	15	13
Manganese, dissolved	mg/l	--	0.05	--	0.023	0.037	<0.005	<0.01	<0.01
Molybdenum, dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.04	<0.04
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.03	<0.03
Potassium, dissolved	mg/l	--	--	--	<2	2.2	<2	2.4	3.1
Silicon, dissolved	mg/l	--	--	--	--	2	3	--	--
Silver, dissolved	mg/l	--	--	--	<0.005	<0.05	<0.005	<0.02	<0.02
Sodium, dissolved	mg/l	--	200 [11]	--	16	26	18	24	21
Strontium, dissolved	mg/l	--	--	--	0.12	0.14	0.12	0.09	0.07
Thallium, dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.002	<1
Titanium, dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.01
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.01	0.02	0.1	0.07
Zirconium, dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.01	<0.005
Phenols									
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.0008	<0.0008

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	BEVAN WELL 16-Sep-2021 RUTKE
General Chemistry					
Alkalinity (Total as CaCO3)	mg/l	--	--	500	226
Ammonia Nitrogen	mg/l	--	--	--	<0.010
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	2
Bromide	mg/l	--	--	--	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	5
Chloride	mg/l	--	250	--	74
Color	color unit	--	5	--	--
Conductivity (Field)	uS/cm	--	--	--	1100
Cyanide	mg/l	0.2	--	--	<0.005
Fluoride	mg/l	1.5	--	--	0.24
Hardness, Calcium Carbonate	mg/l	--	--	100	*463*
Nitrate as N	mg/l	10.0	--	--	0.85
Nitrite as N	mg/l	1.0	--	--	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.525
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--
pH (Field)	-	--	--	8.5	7.04
Phosphate	mg/l	--	--	--	--
Phosphorus	mg/l	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	<0.010
Sulphate	mg/l	--	500 [10]	--	206
Temperature (Field)	deg c	--	15	--	17
Total Dissolved Solids	mg/l	--	500	--	663
Total Organic Carbon	mg/l	--	--	--	1.5
Turbidity	ntu	--	5 [15]	-- [16]	--
Metals					
Aluminum, dissolved	mg/l	--	--	0.1	<0.01
Arsenic, dissolved	mg/l	0.01	--	--	<0.001
Barium, dissolved	mg/l	1	--	--	0.04
Beryllium, dissolved	mg/l	--	--	--	<0.0005
Boron, dissolved	mg/l	5	--	--	0.07
Cadmium, dissolved	mg/l	0.005	--	--	0.0002
Calcium, dissolved	mg/l	--	--	--	146
Chromium, dissolved	mg/l	0.05	--	--	<0.001
Cobalt, dissolved	mg/l	--	--	--	<0.0002
Copper, dissolved	mg/l	--	1	--	0.011
Hexavalent Chromium	mg/l	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	0.11
Lead, dissolved	mg/l	0.01	--	--	<0.001
Magnesium, dissolved	mg/l	--	--	--	24
Manganese, dissolved	mg/l	--	0.05	--	<0.01
Molybdenum, dissolved	mg/l	--	--	--	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.005
Potassium, dissolved	mg/l	--	--	--	2
Silver, dissolved	mg/l	--	--	--	<0.0001
Sodium, dissolved	mg/l	--	200 [11]	--	40
Strontium, dissolved	mg/l	--	--	--	0.189
Thallium, dissolved	mg/l	--	--	--	<0.0001
Titanium, dissolved	mg/l	--	--	--	<0.01
Vanadium, dissolved	mg/l	--	--	--	<0.001
Zinc, dissolved	mg/l	--	5	--	0.04
Zirconium, dissolved	mg/l	--	--	--	<0.002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	BEVAN WELL 16-Sep-2021 RUTKE
Phenols					
Phenolics, Total Recoverable	mg/l	--	--	--	<0.004
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
1,4-Dioxane	mg/l	--	--	--	--
Methyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--
2-Hexanone	mg/l	--	--	--	--
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.03
Benzene	mg/l	0.001	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	0.0044
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.002	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005
Chloroethane	mg/l	--	--	--	<0.0002
Chloroform	mg/l	--	--	--	0.0698
Chloromethane	mg/l	--	--	--	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	0.14	0.0016	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0004
Methyl tert-Butyl Ether	mg/l	--	0.015	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0004
Styrene	mg/l	--	--	--	--
Tetrachloroethylene	mg/l	0.01	--	--	<0.0003
Toluene	mg/l	0.06	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0006
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.001	--	--	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	GUY WELL 18-Apr-1990	GUY WELL 10-Aug-1990	GUY WELL 06-Nov-1990	GUY WELL 29-Apr-1991	GUY WELL 16-Jun-1991	GUY WELL 12-Sep-1991	GUY WELL 19-Nov-1991	GUY WELL 30-Apr-1992	GUY WELL 25-Jun-1992
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	500	232	280	302	230	--	350	430	260	550
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	--	7.8	1.83	0.29	0.36
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	<1	<1	3	<3	--	<3	1	<3	<1
Bromide	mg/l	--	--	--	<0.5	1.8	1.1	<0.1	--	0.5	<0.5	0.14	<0.5
Chemical Oxygen Demand	mg/l	--	--	--	11	--	--	7.9	--	53	29	<5	32
Chloride	mg/l	--	250	--	12	31	41	7.4	65	240	102	40	188
Color	color unit	--	5	--	--	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	600	750	800	--	930	1550	1050	710	1200
Cyanide	mg/l	0.2	--	--	<0.01	<0.01	<0.01	<0.001	--	<0.001	<0.01	<0.001	<0.01
Fluoride	mg/l	1.5	--	--	0.08	0.11	0.05	<2	0.15	0.48	0.08	0.22	0.12
Hardness, Calcium Carbonate	mg/l	--	--	100	*313*	*369*	*370*	*290*	*427*	*668*	*473*	*272*	*634*
Ion Ratio (+/-)	-	--	--	--	--	--	--	--	--	--	--	--	0.99
Nitrate as N	mg/l	10.0	--	--	--	--	--	--	--	--	--	--	--
Nitrite as N	mg/l	1.0	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.24	<0.1	0.24	0.24	--	9.2	1.83	0.61	1
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	<8.6	<15.34	<9.11	<4.8	--	4.512	<0.2	<6.2	<2.22
Nitrogen, Organic	mg/l	--	--	0.15	<0.24	<0.1	<0.24	0.14	--	*1.4*	<0.1	*0.32*	*0.64*
pH (Field)	-	--	--	8.5	--	--	--	--	--	--	--	--	--
Phosphate	mg/l	--	--	--	<0.01	0.15	<0.1	<0.1	--	<0.01	0.11	<0.1	0.33
Phosphorus	mg/l	--	--	--	<0.1	0.1	<0.1	<0.5	--	<0.5	<0.01	<0.1	0.1
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [10]	--	39	50	29	26	53	26	42	24	19
Temperature (Field)	deg c	--	15	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	mg/l	--	500	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Turbidity	ntu	--	5 [15]	-- [16]	--	--	--	--	--	--	--	--	--
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.03	0.02	<0.03	<0.05	--	<0.05	<0.03	<0.05	<0.03
Arsenic, dissolved	mg/l	0.01	--	--	<0.02	<0.01	<0.01	<0.001	--	0.0002	<0.01	<0.001	<0.01
Barium, dissolved	mg/l	1	--	--	0.09	0.15	0.14	0.075	--	0.347	0.18	0.05	0.36
Beryllium, dissolved	mg/l	--	--	--	0.06	<0.01	<0.01	<0.0005	--	<0.0005	<0.01	<0.005	<0.01
Boron, dissolved	mg/l	5	--	--	<0.01	0.13	0.1	<0.005	--	0.33	0.19	0.18	0.35
Cadmium, dissolved	mg/l	0.005	--	--	<0.002	<0.002	<0.002	<0.0001	--	<0.0001	<0.002	<0.0001	<0.002
Calcium, dissolved	mg/l	--	--	--	84	100	95	69	--	174	120	71	152
Chromium, dissolved	mg/l	0.05	--	--	<0.01	0.03	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01
Cobalt, dissolved	mg/l	--	--	--	<0.02	<0.01	<0.02	<0.05	--	<0.05	<0.01	<0.05	<0.01
Copper, dissolved	mg/l	--	1	--	0.1	0.04	0.02	0.03	--	0.02	<0.01	0.03	0.03
Iron, dissolved	mg/l	--	0.3	--	<0.01	0.04	0.02	<0.01	<0.05	0.05	<0.01	<0.05	<0.01
Lead, dissolved	mg/l	0.01	--	--	<0.002	<0.002	<0.002	<0.05	--	<0.05	0.002	<0.05	<0.002
Magnesium, dissolved	mg/l	--	--	--	25	29	32	20.5	--	56.9	42	23	74
Manganese, dissolved	mg/l	--	0.05	--	0.014	0.04	0.08	<0.01	0.31	1.66	0.89	0.11	1.22
Molybdenum, dissolved	mg/l	--	--	--	<0.01	0.03	<0.01	<0.2	--	<0.2	<0.01	<0.5	<0.01
Nickel, dissolved	mg/l	--	--	--	<0.02	0.01	<0.01	<0.05	--	<0.05	<0.01	<0.05	<0.01
Potassium, dissolved	mg/l	--	--	--	6	7	7	5	--	11	5	2.3	5
Silicon, dissolved	mg/l	--	--	--	5.2	5.5	4.3	3.94	--	7.24	4.9	3.6	9.2
Silver, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.005	--	<0.005	<0.01	<0.005	<0.01
Sodium, dissolved	mg/l	--	200 [11]	--	11	20	21	7.7	27	124	53	23	61
Strontium, dissolved	mg/l	--	--	--	0.57	0.96	0.75	0.258	--	1.66	0.83	0.85	4.88
Sulfur	mg/l	--	--	--	15	14	12	--	--	--	11	--	8
Thallium, dissolved	mg/l	--	--	--	<0.03	<0.01	<0.01	--	--	--	<0.05	--	<0.05
Tin, dissolved	mg/l	--	--	--	--	--	--	--	--	--	0.11	--	<0.05
Titanium, dissolved	mg/l	--	--	--	0.03	<0.01	<0.01	<0.005	--	<0.005	<0.01	<0.005	<0.01
Vanadium, dissolved	mg/l	--	--	--	0.03	0.01	<0.01	<0.005	--	<0.005	<0.01	<0.005	0.11
Zinc, dissolved	mg/l	--	5	--	<0.01	0.16	<0.01	<0.01	--	0.02	0.02	<0.01	0.02
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	--	<0.002	<0.002	<0.002	<0.0005	--	<0.0005	<0.002	<0.0005	<0.002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	GUY WELL 18-Apr-1990	GUY WELL 10-Aug-1990	GUY WELL 06-Nov-1990	GUY WELL 29-Apr-1991	GUY WELL 16-Jun-1991	GUY WELL 12-Sep-1991	GUY WELL 19-Nov-1991	GUY WELL 30-Apr-1992	GUY WELL 25-Jun-1992
VOCs													
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.001	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	0.14	0.0016	--	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-Butyl Ether	mg/l	--	0.015	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.01	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	0.06	0.024	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.001	--	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	GUY WELL 20-Aug-1992	GUY WELL 19-Nov-1992	GUY WELL 22-Mar-1993	GUY WELL 02-Apr-1993	GUY WELL 25-May-1993	GUY WELL 21-Jun-1993	GUY WELL 27-Aug-1993	GUY WELL 18-Nov-1993	GUY WELL 01-Feb-1994
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	500	480	290	339	250	281	314	521	296	288
Ammonia Nitrogen	mg/l	--	--	--	0.67	<0.1	0.04	<0.01	<0.01	<0.01	2.2	0.09	<0.01
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	2	<1	<1	<1	<1	<1	5	<1	<1
Bromide	mg/l	--	--	--	0.9	1.2	1	0.9	0.9	<0.5	<0.5	<0.5	<0.5
Chemical Oxygen Demand	mg/l	--	--	--	30	<3	13	15	21	11	31	5	5
Chloride	mg/l	--	250	--	163	27	25	14	8	15	106	19	12
Color	color unit	--	5	--	7	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	1400	650	780	--	550	700	1000	750	750
Cyanide	mg/l	0.2	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride	mg/l	1.5	--	--	0.09	0.07	0.08	0.07	0.06	0.06	0.15	0.12	0.1
Hardness, Calcium Carbonate	mg/l	--	--	100	*617*	*311*	*350*	*293*	*319*	*348*	*623*	*328*	*317*
Ion Ratio (+/-)	-	--	--	--	1.09	1.03	--	1.1	--	1.01	--	--	--
Nitrate as N	mg/l	10.0	--	--	--	--	--	--	--	--	--	--	--
Nitrite as N	mg/l	1.0	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.87	0.31	0.38	0.18	0.48	0.43	2.5	0.38	0.36
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	<1.16	<9.05	<6.39	<7.36	<4.45	<3.98	<0.74	<5.53	<3.98
Nitrogen, Organic	mg/l	--	--	0.15	*0.2*	<0.31	*0.34*	<0.18	<0.48	<0.43	*0.3*	*0.29*	<0.36
pH (Field)	-	--	--	8.5	--	--	--	--	--	--	--	--	--
Phosphate	mg/l	--	--	--	0.2	0.2	<0.1	0.14	<0.03	<0.03	<0.03	<0.03	<0.03
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [10]	--	<10	10	36	19	23	34	77	32	31
Temperature (Field)	deg c	--	15	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	mg/l	--	500	--	--	--	--	360	370	420	810	400	390
Total Organic Carbon	mg/l	--	--	--	--	--	--	3	2.6	2.8	12	3.5	2.9
Turbidity	ntu	--	5 [15]	-- [16]	0.3	--	--	--	--	--	--	--	--
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.03	<0.01	*0.98*	*0.99*	<0.03	*1.19*	*1.29*	<0.03	<0.03
Arsenic, dissolved	mg/l	0.01	--	--	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001
Barium, dissolved	mg/l	1	--	--	0.21	0.09	0.1	0.07	0.08	0.12	0.3	0.13	0.12
Beryllium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Boron, dissolved	mg/l	5	--	--	0.23	0.08	<0.01	<0.01	<0.01	0.08	0.35	0.06	0.04
Cadmium, dissolved	mg/l	0.005	--	--	<0.002	<0.002	<0.005	<0.005	<0.002	<0.002	<0.002	<0.002	<0.005
Calcium, dissolved	mg/l	--	--	--	135	80	89	76	85	90	157	90	87
Chromium, dissolved	mg/l	0.05	--	--	0.05	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper, dissolved	mg/l	--	1	--	<0.01	0.02	0.02	0.06	0.02	0.01	<0.01	<0.01	0.03
Iron, dissolved	mg/l	--	0.3	--	<0.01	<0.01	0.02	<0.01	<0.01	0.02	<0.01	<0.01	0.03
Lead, dissolved	mg/l	0.01	--	--	<0.002	<0.002	<0.05	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002
Magnesium, dissolved	mg/l	--	--	--	68	27	31	25	26	30	56	25	24
Manganese, dissolved	mg/l	--	0.05	--	1.27	0.02	0.02	<0.01	<0.01	<0.01	0.74	0.08	0.02
Molybdenum, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium, dissolved	mg/l	--	--	--	6	4	5	4	5	5	6	5	6
Silicon, dissolved	mg/l	--	--	--	6.8	5.6	21.1	11.6	4	--	8.5	4.5	4.2
Silver, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium, dissolved	mg/l	--	200 [11]	--	67	19	16	12	7	10	77	16	11
Strontium, dissolved	mg/l	--	--	--	2.26	0.52	0.75	0.29	0.33	0.54	3.97	1.13	0.71
Sulfur	mg/l	--	--	--	12	--	--	7	9	--	29	10	11
Thallium, dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tin, dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	--	<0.05	<0.05	<0.05
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc, dissolved	mg/l	--	5	--	<0.01	0.08	0.11	0.05	<0.01	<0.01	<0.01	<0.01	0.02
Zirconium, dissolved	mg/l	--	--	--	--	--	--	--	<0.01	--	--	--	--
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	--	<0.002	<0.002	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	GUY WELL 20-Aug-1992	GUY WELL 19-Nov-1992	GUY WELL 22-Mar-1993	GUY WELL 02-Apr-1993	GUY WELL 25-May-1993	GUY WELL 21-Jun-1993	GUY WELL 27-Aug-1993	GUY WELL 18-Nov-1993	GUY WELL 01-Feb-1994
VOCs													
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.001	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	0.14	0.0016	--	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-Butyl Ether	mg/l	--	0.015	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.01	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	0.06	0.024	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.001	--	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	GUY WELL 24-May-1994	GUY WELL 16-Sep-1994	GUY WELL 20-Dec-1994	GUY WELL 20-Apr-1995	GUY WELL 13-Sep-1995	GUY WELL 09-May-1996	GUY WELL 15-May-1996	GUY WELL 26-Sep-1996	GUY WELL 27-Nov-1996
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	500	260	400	290	260	350	270	--	320	--
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06	--	<0.06	--
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	<3	<3	<3	<3	3	<2	--	2.5	--
Bromide	mg/l	--	--	--	<0.1	0.19	0.15	<0.1	<0.1	<0.1	--	0.12	--
Chemical Oxygen Demand	mg/l	--	--	--	11	<5	19	16	42	<10	--	<5	--
Chloride	mg/l	--	250	--	15	30	4.9	13	50	66	--	13	--
Color	color unit	--	5	--	--	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	500	800	700	700	950	560	--	470	--
Cyanide	mg/l	0.2	--	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	--	<0.005	--
Fluoride	mg/l	1.5	--	--	0.19	0.17	<0.1	<0.1	0.15	0.09	--	0.17	--
Hardness, Calcium Carbonate	mg/l	--	--	100	*330*	*460*	*430*	*340*	*480*	*315*	--	*330*	--
Ion Ratio (+/-)	-	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate as N	mg/l	10.0	--	--	--	--	--	--	--	--	--	--	--
Nitrite as N	mg/l	1.0	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	<0.1	0.37	1.4	<0.1	0.92	0.3	--	0.34	--
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	<2.1	<0.2	<3.8	<2.9	<0.2	<3.7	--	<7.4	--
Nitrogen, Organic	mg/l	--	--	0.15	<0.1	<0.37	<1.4	<0.1	<0.92	<0.3	--	<0.34	--
pH (Field)	-	--	--	8.5	--	--	--	--	--	--	--	--	--
Phosphate	mg/l	--	--	--	<0.1	<0.1	<0.1	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.1	<0.1	<0.1	--	--	<1	--	<0.2	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [10]	--	15	35	15	17	34	32	--	25	--
Temperature (Field)	deg c	--	15	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	mg/l	--	500	--	320	450	360	310	500	350	--	440	--
Total Organic Carbon	mg/l	--	--	--	2.8	4.3	2.7	2.6	4.3	19	--	6	--
Turbidity	ntu	--	5 [15]	-- [16]	--	--	--	--	--	--	--	--	--
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	<0.05	0.06	<0.05	<0.05	<0.1	--	<0.1	--
Arsenic, dissolved	mg/l	0.01	--	--	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	--	<0.005	--
Barium, dissolved	mg/l	1	--	--	0.08	0.15	0.09	0.11	0.16	0.06	--	0.1	--
Beryllium, dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01	--
Boron, dissolved	mg/l	5	--	--	<0.05	<0.05	0.12	<0.05	0.2	<0.05	--	0.24	--
Cadmium, dissolved	mg/l	0.005	--	--	0.0004	0.0003	<0.0002	<0.005	<0.005	<0.00008	--	<0.00008	--
Calcium, dissolved	mg/l	--	--	--	90	125	120	110	130	90	--	90	--
Chromium, dissolved	mg/l	0.05	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	--	<0.02	--
Cobalt, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	--	<0.09	--
Copper, dissolved	mg/l	--	1	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	--	<0.02	--
Iron, dissolved	mg/l	--	0.3	--	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	--	<0.05	--
Lead, dissolved	mg/l	0.01	--	--	**0.013**	0.005	0.01	0.005	0.009	<0.0006	--	<0.0006	--
Magnesium, dissolved	mg/l	--	--	--	26	36	29	28	37	22	--	25	--
Manganese, dissolved	mg/l	--	0.05	--	<0.005	0.15	0.032	0.012	0.2	<0.01	--	<0.01	--
Molybdenum, dissolved	mg/l	--	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.04	--	<0.04	--
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	--	<0.03	--
Potassium, dissolved	mg/l	--	--	--	4.7	6.1	5	6.2	6.4	4.1	--	6	--
Silicon, dissolved	mg/l	--	--	--	--	--	--	4.9	6.7	--	--	--	--
Silver, dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	--	<0.02	--
Sodium, dissolved	mg/l	--	200 [11]	--	6.6	24	13	14	25	4.4	--	9.3	--
Strontium, dissolved	mg/l	--	--	--	0.36	1.19	0.52	0.58	1.2	0.24	--	0.44	--
Sulfur	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.002	--	<1	--
Tin, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01	--
Vanadium, dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	--	<0.01	--
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	0.02	--
Zirconium, dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01	--	<0.01	--
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0013	--	<0.0008	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	GUY WELL 24-May-1994	GUY WELL 16-Sep-1994	GUY WELL 20-Dec-1994	GUY WELL 20-Apr-1995	GUY WELL 13-Sep-1995	GUY WELL 09-May-1996	GUY WELL 15-May-1996	GUY WELL 26-Sep-1996	GUY WELL 27-Nov-1996
VOCs													
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Methyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
Benzene	mg/l	0.001	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
Carbon Tetrachloride	mg/l	0.002	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/l	0.14	0.0016	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Methyl tert-Butyl Ether	mg/l	--	0.015	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Styrene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Toluene	mg/l	0.06	0.024	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	GUY WELL 08-May-1997	GUY WELL 22-Sep-1997	GUY WELL 13-May-1998	GUY WELL 22-Jun-1998	GUY WELL 21-Sep-1998	GUY WELL 04-May-1999	GUY WELL 10-Oct-1999	GUY WELL 11-Oct-1999	GUY WELL 30-May-2000
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	500	280	330	280	--	310	270	--	311	261
Ammonia Nitrogen	mg/l	--	--	--	<0.1	<0.1	0.11	--	0.14	0.38	--	<0.05	<0.02
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	<2	<2	<2	--	3	<2	--	<4	<1
Bromide	mg/l	--	--	--	0.18	<0.1	<0.1	--	<0.1	<0.1	--	1	0.07
Chemical Oxygen Demand	mg/l	--	--	--	<5	<5	<5	--	25	5	--	21	<4
Chloride	mg/l	--	250	--	6.3	49	20	--	32	7	--	61.5	8
Color	color unit	--	5	--	--	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	460	820	500	--	595	430	--	725	450
Cyanide	mg/l	0.2	--	--	<0.005	<0.005	<0.005	--	<0.005	<0.005	--	<0.02	<0.02
Fluoride	mg/l	1.5	--	--	0.12	0.19	<0.1	--	0.11	<0.1	--	0.7	0.17
Hardness, Calcium Carbonate	mg/l	--	--	100	*290*	*390*	*320*	--	*360*	*280*	--	*387.58*	*297*
Ion Ratio (+/-)	-	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate as N	mg/l	10.0	--	--	--	--	--	--	--	--	--	--	--
Nitrite as N	mg/l	1.0	--	--	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.53	0.86	0.37	--	0.16	0.54	--	0.6	0.33
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	<2.5	<1.41	<1.8	--	<1.8	<2	--	<0.2	<6.18
Nitrogen, Organic	mg/l	--	--	0.15	<0.43	<0.86	*0.26*	--	0.02	*0.16*	--	<0.6	*0.33*
pH (Field)	-	--	--	8.5	--	--	--	--	--	--	--	--	--
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.2	<0.2	<0.2	--	<0.2	<0.2	--	0.16	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Sulphate	mg/l	--	500 [10]	--	24	54	23	--	27	20	--	43.9	23
Temperature (Field)	deg c	--	15	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	mg/l	--	500	--	300	520	350	--	380	380	--	718	320
Total Organic Carbon	mg/l	--	--	--	<0.5	2.6	0.9	--	3.5	2	--	--	3
Turbidity	ntu	--	5 [15]	-- [16]	--	--	--	--	--	--	--	--	--
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.05	--	<0.05	<0.05	--	<0.025	<0.05
Arsenic, dissolved	mg/l	0.01	--	--	<0.005	<0.005	<0.005	--	<0.005	<0.005	--	<0.002	<0.0001
Barium, dissolved	mg/l	1	--	--	0.08	0.14	0.1	--	0.09	0.05	--	--	0.06
Beryllium, dissolved	mg/l	--	--	--	<0.001	<0.001	<0.001	--	<0.001	<0.001	--	<0.001	<0.002
Boron, dissolved	mg/l	5	--	--	<0.05	0.09	<0.05	--	0.07	<0.05	--	--	0.03
Cadmium, dissolved	mg/l	0.005	--	--	<0.00008	0.0002	<0.00008	--	<0.00008	<0.00008	--	<0.0002	<0.005
Calcium, dissolved	mg/l	--	--	--	79	110	87	--	100	76	--	116	81
Chromium, dissolved	mg/l	0.05	--	--	<0.02	<0.02	<0.02	--	<0.02	<0.02	--	<0.005	<0.01
Cobalt, dissolved	mg/l	--	--	--	<0.05	<0.05	<0.05	--	<0.05	<0.05	--	<0.005	<0.01
Copper, dissolved	mg/l	--	1	--	0.02	<0.02	<0.02	--	<0.02	<0.02	--	<0.003	<0.01
Iron, dissolved	mg/l	--	0.3	--	<0.05	<0.05	<0.05	--	<0.05	0.17	--	0.051	0.03
Lead, dissolved	mg/l	0.01	--	--	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	--	<0.002	<0.001
Magnesium, dissolved	mg/l	--	--	--	23	27	25	--	28	23	--	23.8	23
Manganese, dissolved	mg/l	--	0.05	--	<0.01	0.19	<0.01	--	0.05	<0.01	--	0.212	<0.01
Molybdenum, dissolved	mg/l	--	--	--	<0.02	<0.02	<0.02	--	<0.02	<0.02	--	0.014	<0.01
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	--	<0.01	<0.01	--	<0.01	<0.01
Potassium, dissolved	mg/l	--	--	--	4.4	5.9	6	--	6.7	6.6	--	5	4
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	--	<0.01	<0.01	--	<0.007	<0.01
Sodium, dissolved	mg/l	--	200 [11]	--	5.6	45	11	--	12	6.5	--	92.8	6
Strontium, dissolved	mg/l	--	--	--	0.28	0.72	0.5	--	0.4	0.27	--	0.405	0.155
Sulfur	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	<0.1	<0.1	<0.1	--	<0.1	<0.1	--	<0.05	<0.2
Tin, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	--	<0.01	<0.01	--	<0.003	<0.01
Vanadium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	--	<0.01	<0.01	--	0.014	0.02
Zinc, dissolved	mg/l	--	5	--	<0.01	0.02	<0.01	--	0.02	<0.01	--	0.029	<0.01
Zirconium, dissolved	mg/l	--	--	--	<0.02	<0.02	<0.02	--	<0.02	<0.02	--	<0.003	<0.004
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001	<0.001	--	<0.001	0.001	--	0.003	0.003

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	GUY WELL 08-May-1997	GUY WELL 22-Sep-1997	GUY WELL 13-May-1998	GUY WELL 22-Jun-1998	GUY WELL 21-Sep-1998	GUY WELL 04-May-1999	GUY WELL 10-Oct-1999	GUY WELL 11-Oct-1999	GUY WELL 30-May-2000
VOCs													
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--	<0.0006
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	--	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.001
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.001
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0007
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0007
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--	<0.0003
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.001
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.001
Methyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	--	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.01	<0.01	--	--
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--	<0.02
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	--	<0.02	<0.01	<0.02	--	<0.1
Benzene	mg/l	0.001	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	--	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	--	<0.0004
Bromomethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.0013	<0.003	<0.003	--	<0.0005
Carbon Tetrachloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	<0.0009
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	--	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.002	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	0.0007	0.001	--	0.0006	<0.001	<0.001	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00014	<0.00014	--	<0.0002
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	--	<0.0003
Ethylbenzene	mg/l	0.14	0.0016	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0005
Methyl tert-Butyl Ether	mg/l	--	0.015	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0005
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0005
Tetrachloroethylene	mg/l	0.01	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0003
Toluene	mg/l	0.06	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	0.0024
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00014	<0.00014	--	<0.0002
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.002	--	<0.0005
Vinyl Chloride	mg/l	0.001	--	--	<0.002	<0.002	**0.0057**	**0.012**	**0.0018**	<0.0005	<0.0005	--	<0.0005

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	GUY WELL 09-May-2001	GUY WELL 10-May-2002	GUY WELL 08-May-2003	GUY WELL 14-Apr-2004	GUY WELL 25-May-2005	GUY WELL 04-Jun-2006	GUY WELL 15-May-2007	GUY WELL 04-Jun-2008	GUY WELL 08-Jun-2009 J-13
General Chemistry													
Alkalinity (Total as CaCO3)	mg/l	--	--	500	263	222	232	234	276	281	264	246	283
Ammonia Nitrogen	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.03	<0.02	0.04	<0.02	0.03	<0.02
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	<1	<1	<1	<0.5	<1	1	<1	<1	<1
Bromide	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	<5	6	<5	8	<5	5	<5	<5	5
Chloride	mg/l	--	250	--	6	4	9	6.4	6	13	4	11	11
Color	color unit	--	5	--	--	--	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	650	498	508	645	810	840	1150	509	551
Cyanide	mg/l	0.2	--	--	<0.005	<0.005	<0.005	<0.001	<0.005	<0.1	<0.005	<0.005	<0.005
Fluoride	mg/l	1.5	--	--	0.12	0.47	0.11	<0.1	0.18	0.15	<0.1	<0.1	0.10
Hardness, Calcium Carbonate	mg/l	--	--	100	*275*	*233*	*251*	*254.1*	*295*	*277*	*274*	*281*	*304*
Ion Ratio (+/-)	-	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate as N	mg/l	10.0	--	--	--	--	--	3.4	0.98	1.5	0.77	1.12	0.88
Nitrite as N	mg/l	1.0	--	--	--	--	--	<0.2	<0.1	<0.1	<0.1	<0.1	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.16	0.47	0.33	0.28	0.15	0.26	0.24	0.29	<0.10
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	<4.31	<5.05	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	*0.16*	*0.45*	--	--	--	--	--	--	--
pH (Field)	-	--	--	8.5	--	--	--	6.7	6.8	6.8	7	7.4	7.06
Phosphate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	<0.01	<0.01	--	<0.05	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	--	--	0.05	--	0.06	0.03	0.02	<0.01	0.04
Sulphate	mg/l	--	500 [10]	--	20	23	20	19.6	16	17	13	14	13
Temperature (Field)	deg c	--	15	--	--	--	--	6	10	9	8	12	12.2
Total Dissolved Solids	mg/l	--	500	--	340	324	330	272	348	345	332	331	374
Total Organic Carbon	mg/l	--	--	--	2.7	2.5	2.6	2.2	2.2	2.8	2.8	2.3	2.8
Turbidity	ntu	--	5 [15]	-- [16]	--	--	--	--	--	--	--	--	--
Metals													
Aluminum, dissolved	mg/l	--	--	0.1	<0.05	<0.05	<0.01	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic, dissolved	mg/l	0.01	--	--	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Barium, dissolved	mg/l	1	--	--	0.06	0.05	0.05	0.056	0.05	<0.01	0.04	0.05	0.05
Beryllium, dissolved	mg/l	--	--	--	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, dissolved	mg/l	5	--	--	0.01	<0.05	<0.05	0.021	0.05	0.17	0.04	0.04	0.04
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	--	77	62	69	68.9	82	78	75	78	84
Chromium, dissolved	mg/l	0.05	--	--	0.004	<0.001	0.004	<0.005	0.002	0.004	0.002	0.002	0.003
Cobalt, dissolved	mg/l	--	--	--	0.0003	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	0.0007	<0.0002	<0.0002
Copper, dissolved	mg/l	--	1	--	0.002	<0.001	0.002	0.0012	0.039	0.111	0.002	0.003	0.002
Iron, dissolved	mg/l	--	0.3	--	0.01	<0.01	0.09	<0.03	0.02	<0.03	<0.03	0.06	<0.03
Lead, dissolved	mg/l	0.01	--	--	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	--	20	19	19	19.9	22	20	21	21	23
Manganese, dissolved	mg/l	--	0.05	--	<0.01	<0.01	<0.005	<0.005	<0.01	<0.01	<0.01	0.01	<0.01
Molybdenum, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.005	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.005	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	--	5	4	4	4	4	5	4	4	4
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [11]	--	4	5	5	4.5	5	8	4	7	8
Strontium, dissolved	mg/l	--	--	--	0.183	0.139	0.239	0.176	0.222	0.014	0.169	0.274	0.287
Sulfur	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.00005	<0.0001	<0.0001	0.0002	<0.0001	<0.0001
Tin, dissolved	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.005	0.04	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	--	<0.001	<0.001	0.001	<0.0005	0.002	0.007	0.001	0.002	0.005
Zinc, dissolved	mg/l	--	5	--	<0.01	0.01	<0.005	0.005	0.03	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	<0.01	<0.001	<0.01	<0.001	<0.01	<0.001	<0.001	<0.01	<0.002
Phenols													
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	GUY WELL 09-May-2001	GUY WELL 10-May-2002	GUY WELL 08-May-2003	GUY WELL 14-Apr-2004	GUY WELL 25-May-2005	GUY WELL 04-Jun-2006	GUY WELL 15-May-2007	GUY WELL 04-Jun-2008	GUY WELL 08-Jun-2009 J-13
VOCs													
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--	--
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.001	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.002	--	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	0.14	0.0016	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	0.015	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--	--
Tetrachloroethylene	mg/l	0.01	--	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	GUY WELL 14-May-2010 C-16	GUY WELL 30-May-2011 [4] Guy	GUY WELL 06-Sep-2011 [5] B-35	GUY WELL 28-May-2012 [5] Guy	GUY WELL 11-Jun-2013 B - 22
General Chemistry									
Alkalinity (Total as CaCO3)	mg/l	--	--	500	293	290	328	292	253
Ammonia Nitrogen	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.02
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	<1	<1	1	<1	<1
Bromide	mg/l	--	--	--	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	15	8	10	<5	<5
Chloride	mg/l	--	250	--	14	2	26	15	8
Color	color unit	--	5	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	650	--	--	586	579
Cyanide	mg/l	0.2	--	--	<0.01	<0.01	<0.01	<0.002	<0.005
Fluoride	mg/l	1.5	--	--	0.11	<0.10	<0.10	0.11	<0.10
Hardness, Calcium Carbonate	mg/l	--	--	100	*295*	*308*	*335*	*283*	*276*
Ion Ratio (+/-)	-	--	--	--	--	--	--	--	--
Nitrate as N	mg/l	10.0	--	--	0.76	0.46	0.58	0.82	1.06
Nitrite as N	mg/l	1.0	--	--	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.34	<0.10	<0.10	0.17	0.12
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--	--	--	--	--
pH (Field)	-	--	--	8.5	7.2	--	--	6.91	6.9
Phosphate	mg/l	--	--	--	--	--	--	--	--
Phosphorus	mg/l	--	--	--	--	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Sulphate	mg/l	--	500 [10]	--	14	9	17	14	12
Temperature (Field)	deg c	--	15	--	11.1	--	--	11.3	12
Total Dissolved Solids	mg/l	--	500	--	387	332	444	391	336
Total Organic Carbon	mg/l	--	--	--	2.5	2.3	2.6	2.4	2.5
Turbidity	ntu	--	5 [15]	-- [16]	--	--	--	--	--
Metals									
Aluminum, dissolved	mg/l	--	--	0.1	<0.01	<0.01	0.07	<0.01	<0.01
Arsenic, dissolved	mg/l	0.01	--	--	<0.001	<0.001	<0.001	<0.001	<0.001
Barium, dissolved	mg/l	1	--	--	0.06	0.05	0.07	0.06	0.04
Beryllium, dissolved	mg/l	--	--	--	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Boron, dissolved	mg/l	5	--	--	0.05	0.02	0.09	0.05	0.02
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, dissolved	mg/l	--	--	--	82	82	93	77	76
Chromium, dissolved	mg/l	0.05	--	--	0.002	<0.001	0.005	0.002	0.004
Cobalt, dissolved	mg/l	--	--	--	<0.0002	<0.0002	0.0003	0.0002	<0.0002
Copper, dissolved	mg/l	--	1	--	0.001	0.001	0.004	0.001	0.002
Iron, dissolved	mg/l	--	0.3	--	<0.03	<0.03	0.06	<0.03	<0.03
Lead, dissolved	mg/l	0.01	--	--	<0.001	<0.001	0.001	<0.001	<0.001
Magnesium, dissolved	mg/l	--	--	--	22	25	25	22	21
Manganese, dissolved	mg/l	--	0.05	--	<0.01	<0.01	0.03	<0.01	<0.01
Molybdenum, dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
Potassium, dissolved	mg/l	--	--	--	4	5	4	4	3
Silicon, dissolved	mg/l	--	--	--	--	--	--	--	--
Silver, dissolved	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium, dissolved	mg/l	--	200 [11]	--	9	4	14	12	4
Strontium, dissolved	mg/l	--	--	--	0.389	0.161	0.331	0.391	0.158
Sulfur	mg/l	--	--	--	--	--	--	--	--
Thallium, dissolved	mg/l	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Tin, dissolved	mg/l	--	--	--	--	--	--	--	--
Titanium, dissolved	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l	--	--	--	0.003	<0.001	0.006	0.004	0.002
Zinc, dissolved	mg/l	--	5	--	<0.01	<0.01	<0.01	<0.01	<0.01
Zirconium, dissolved	mg/l	--	--	--	<0.002	<0.002	<0.002	<0.002	<0.002
Phenols									
Phenolics, Total Recoverable	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	GUY WELL 14-May-2010 C-16	GUY WELL 30-May-2011 [4] Guy	GUY WELL 06-Sep-2011 [5] B-35	GUY WELL 28-May-2012 [5] Guy	GUY WELL 11-Jun-2013 B - 22
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--
2-Hexanone	mg/l	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.002	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	0.14	0.0016	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methyl tert-Butyl Ether	mg/l	--	0.015	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Styrene	mg/l	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.01	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	MCGILL WELL 16-Sep-2021 MCGILL
General Chemistry					
Alkalinity (Total as CaCO3)	mg/l	--	--	500	295
Ammonia Nitrogen	mg/l	--	--	--	<0.010
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	<1
Bromide	mg/l	--	--	--	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	6
Chloride	mg/l	--	250	--	74
Color	color unit	--	5	--	--
Conductivity (Field)	uS/cm	--	--	--	870
Cyanide	mg/l	0.2	--	--	<0.005
Fluoride	mg/l	1.5	--	--	<0.10
Hardness, Calcium Carbonate	mg/l	--	--	100	*301*
Nitrate as N	mg/l	10.0	--	--	2.73
Nitrite as N	mg/l	1.0	--	--	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.687
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--
pH (Field)	-	--	--	8.5	7.4
Phosphate	mg/l	--	--	--	--
Phosphorus	mg/l	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	<0.010
Sulphate	mg/l	--	500 [10]	--	24
Temperature (Field)	deg c	--	15	--	15.2
Total Dissolved Solids	mg/l	--	500	--	518
Total Organic Carbon	mg/l	--	--	--	1.1
Turbidity	ntu	--	5 [15]	-- [16]	--
Metals					
Aluminum, dissolved	mg/l	--	--	0.1	<0.01
Arsenic, dissolved	mg/l	0.01	--	--	<0.001
Barium, dissolved	mg/l	1	--	--	0.07
Beryllium, dissolved	mg/l	--	--	--	<0.0005
Boron, dissolved	mg/l	5	--	--	0.02
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001
Calcium, dissolved	mg/l	--	--	--	86
Chromium, dissolved	mg/l	0.05	--	--	<0.001
Cobalt, dissolved	mg/l	--	--	--	<0.0002
Copper, dissolved	mg/l	--	1	--	0.009
Hexavalent Chromium	mg/l	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	<0.03
Lead, dissolved	mg/l	0.01	--	--	<0.001
Magnesium, dissolved	mg/l	--	--	--	21
Manganese, dissolved	mg/l	--	0.05	--	<0.01
Molybdenum, dissolved	mg/l	--	--	--	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.005
Potassium, dissolved	mg/l	--	--	--	<1
Silicon, dissolved	mg/l	--	--	--	--
Silver, dissolved	mg/l	--	--	--	<0.0001
Sodium, dissolved	mg/l	--	200 [11]	--	54
Strontium, dissolved	mg/l	--	--	--	0.160
Thallium, dissolved	mg/l	--	--	--	<0.0001
Titanium, dissolved	mg/l	--	--	--	<0.01
Vanadium, dissolved	mg/l	--	--	--	0.03
Zinc, dissolved	mg/l	--	5	--	<0.002
Zirconium, dissolved	mg/l	--	--	--	<0.002
Phenols					
Phenolics, Total Recoverable	mg/l	--	--	--	<0.004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	PAKEMAN WELL 16-Sep-2021 Pakeman
General Chemistry					
Alkalinity (Total as CaCO3)	mg/l	--	--	500	285
Ammonia Nitrogen	mg/l	--	--	--	<0.010
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	<1
Bromide	mg/l	--	--	--	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	8
Chloride	mg/l	--	250	--	64
Color	color unit	--	5	--	--
Conductivity (Field)	uS/cm	--	--	--	860
Cyanide	mg/l	0.2	--	--	<0.005
Fluoride	mg/l	1.5	--	--	<0.10
Hardness, Calcium Carbonate	mg/l	--	--	100	*311*
Nitrate as N	mg/l	10.0	--	--	1.86
Nitrite as N	mg/l	1.0	--	--	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	--	1.30
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--
pH (Field)	-	--	--	8.5	7.14
Phosphate	mg/l	--	--	--	--
Phosphorus	mg/l	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	<0.010
Sulphate	mg/l	--	500 [10]	--	28
Temperature (Field)	deg c	--	15	--	13.8
Total Dissolved Solids	mg/l	--	500	--	495
Total Organic Carbon	mg/l	--	--	--	2.3
Turbidity	ntu	--	5 [15]	-- [16]	--
Metals					
Aluminum, dissolved	mg/l	--	--	0.1	<0.01
Arsenic, dissolved	mg/l	0.01	--	--	<0.001
Barium, dissolved	mg/l	1	--	--	0.16
Beryllium, dissolved	mg/l	--	--	--	<0.00005
Boron, dissolved	mg/l	5	--	--	0.02
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001
Calcium, dissolved	mg/l	--	--	--	95
Chromium, dissolved	mg/l	0.05	--	--	<0.001
Cobalt, dissolved	mg/l	--	--	--	0.0003
Copper, dissolved	mg/l	--	1	--	0.049
Hexavalent Chromium	mg/l	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	0.26
Lead, dissolved	mg/l	0.01	--	--	0.001
Magnesium, dissolved	mg/l	--	--	--	18
Manganese, dissolved	mg/l	--	0.05	--	0.02
Molybdenum, dissolved	mg/l	--	--	--	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.005
Potassium, dissolved	mg/l	--	--	--	2
Silicon, dissolved	mg/l	--	--	--	--
Silver, dissolved	mg/l	--	--	--	<0.0001
Sodium, dissolved	mg/l	--	200 [11]	--	40
Strontium, dissolved	mg/l	--	--	--	0.160
Thallium, dissolved	mg/l	--	--	--	<0.0001
Titanium, dissolved	mg/l	--	--	--	<0.01
Vanadium, dissolved	mg/l	--	--	--	<0.001
Zinc, dissolved	mg/l	--	5	--	0.05
Zirconium, dissolved	mg/l	--	--	--	<0.002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	PAKEMAN WELL 16-Sep-2021 Pakeman
Phenols					
Phenolics, Total Recoverable	mg/l	--	--	--	<0.004
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
1,4-Dioxane	mg/l	--	--	--	--
Methyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--
2-Hexanone	mg/l	--	--	--	--
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.03
Benzene	mg/l	0.001	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.002	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005
Chloroethane	mg/l	--	--	--	<0.0002
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0009
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	0.14	0.0016	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0004
Methyl tert-Butyl Ether	mg/l	--	0.015	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0004
Styrene	mg/l	--	--	--	--
Tetrachloroethylene	mg/l	0.01	--	--	<0.0003
Toluene	mg/l	0.06	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0012
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.001	--	--	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	ODWQS-OG [3]	PLASCHKA WELL 16-Sep-2021 PLASCHKA
General Chemistry					
Alkalinity, Carbonate as CaCO3	mg/l	--	--	--	--
Alkalinity (Total as CaCO3)	mg/l	--	--	500	307
Ammonia Nitrogen	mg/l	--	--	--	<0.010
Biochemical Oxygen Demand, 5 Day	mg/l	--	--	--	<1
Bromide	mg/l	--	--	--	<0.25
Chemical Oxygen Demand	mg/l	--	--	--	<5
Chloride	mg/l	--	250	--	12
Color	color unit	--	5	--	--
Conductivity (Field)	uS/cm	--	--	--	640
Cyanide	mg/l	0.2	--	--	<0.005
Fluoride	mg/l	1.5	--	--	0.11
Hardness, Calcium Carbonate	mg/l	--	--	100	*327*
Nitrate as N	mg/l	10.0	--	--	<0.10
Nitrite as N	mg/l	1.0	--	--	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.612
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.15	--
pH (Field)	-	--	--	8.5	7.44
Phosphate	mg/l	--	--	--	--
Phosphorus	mg/l	--	--	--	--
Phosphorus (dissolved reactive)	mg/l	--	--	--	<0.010
Sulphate	mg/l	--	500 [10]	--	19
Temperature (Field)	deg c	--	15	--	18
Total Dissolved Solids	mg/l	--	500	--	376
Total Organic Carbon	mg/l	--	--	--	1.2
Turbidity	ntu	--	5 [15]	-- [16]	--
Metals					
Aluminum, dissolved	mg/l	--	--	0.1	<0.01
Arsenic, dissolved	mg/l	0.01	--	--	<0.001
Barium, dissolved	mg/l	1	--	--	0.12
Beryllium, dissolved	mg/l	--	--	--	<0.0005
Boron, dissolved	mg/l	5	--	--	0.02
Cadmium, dissolved	mg/l	0.005	--	--	<0.0001
Calcium, dissolved	mg/l	--	--	--	80
Chromium, dissolved	mg/l	0.05	--	--	<0.001
Cobalt, dissolved	mg/l	--	--	--	<0.0002
Copper, dissolved	mg/l	--	1	--	0.028
Hexavalent Chromium	mg/l	--	--	--	--
Iron, dissolved	mg/l	--	0.3	--	<0.03
Lead, dissolved	mg/l	0.01	--	--	<0.001
Magnesium, dissolved	mg/l	--	--	--	31
Manganese, dissolved	mg/l	--	0.05	--	0.03
Molybdenum, dissolved	mg/l	--	--	--	<0.005
Nickel, dissolved	mg/l	--	--	--	<0.005
Potassium, dissolved	mg/l	--	--	--	1
Silicon, dissolved	mg/l	--	--	--	--
Silver, dissolved	mg/l	--	--	--	<0.0001
Sodium, dissolved	mg/l	--	200 [11]	--	3
Strontium, dissolved	mg/l	--	--	--	0.411
Thallium, dissolved	mg/l	--	--	--	0.0002
Titanium, dissolved	mg/l	--	--	--	<0.01
Vanadium, dissolved	mg/l	--	--	--	<0.001
Zinc, dissolved	mg/l	--	5	--	<0.01
Zirconium, dissolved	mg/l	--	--	--	<0.002
Phenols					
Phenolics, Total Recoverable	mg/l	--	--	--	<0.004

Footnotes:

	Tables should be read in conjunction with the accompanying document.
<	Indicates parameter not detected above laboratory method detection limit.
>	Indicates parameter detected above equipment analytical range.
--	Chemical not analyzed or criteria not defined.
Value	Parameter is greater than ODWQS(169/03)-Health
Value	Parameter is greater than ODWQS-AO
Value	Parameter is greater than ODWQS-OG
(1)	Ontario Drinking Water Quality Standards - Health Based Standards (June 2003, revised January 2020).
(2)	Ontario Drinking Water Quality Standards - Aesthetic Objectives. Aesthetic Objectives are established for parameters that may impair the taste, odour or colour of water or which may interfere with good water quality control practices. For certain parameters, both aesthetic objectives and health-related MACs have been derived (June 2003, revised July 2017).
(3)	Ontario Drinking Water Quality Standards - Operational Guidelines. Operational Guidelines are established for parameters that, if not controlled, may negatively affect the efficient and effective treatment, disinfection and distribution of the water (June 2003, revised June 2006).
(4)	Cyanide was analysed at Exova Pointe Claire.
(5)	Sample was subcontracted for cyanide analysis.
(6)	Sample was filtered prior to DRP analysis.
(7)	Phenols MRL elevated due to matrix interference (5X dilution was done).
(8)	Criteria exist for Nitrate as N
(9)	Criteria exist for Nitrite as N
(10)	There may be a laxative effect in some individuals when sulphate levels exceed 500 mg/L.
(11)	The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.
(12)	Cyanide was analysed at Paracel Laboratories Ltd.
(13)	Phenols MRL elevated due to matrix interference (5X dilution was done).Sample was filtered prior to DRP analysis, for the entire report.
(14)	Per- and polyfluoroalkyl substances (PFAS): Due to limited amount of sample available for analysis, a smaller than usual portion of sample was used. Detection limits were adjusted accordingly.
(15)	Applicable for all waters at the point of consumption.
(16)	The Operational Guidelines for filtration processes are provided as performance criteria in the Procedure for Disinfection of Drinking Water in Ontario.
(17)	Outside tap was not turned on. No sample could be collected.

APPENDIX 9
VOC Groundwater Chemical Data 1992 – 2001
2002 – 2009
2010 – 2015
2016 – 2021

1992 – 2001

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	00-1D 11/5/2000	00-1D 5/9/2001
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	<0.02	--
Styrene	mg/l	--	--	--	<0.0005	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02
Acetone	mg/l	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	00-1M 11/5/2000	00-1M 5/9/2001
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	<0.02	--
Styrene	mg/l	--	--	--	<0.0005	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02
Acetone	mg/l	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	00-1S 11/5/2000	00-1S 5/9/2001
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	<0.02	--
Styrene	mg/l	--	--	--	<0.0005	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02
Acetone	mg/l	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	00-2D 11/5/2000	00-2D 5/14/2001
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	<0.02	--
Styrene	mg/l	--	--	--	<0.0005	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02
Acetone	mg/l	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0011	0.0023
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	0.0007	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	0.0009
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	0.0013	0.0017
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	00-2M 11/5/2000	00-2M 5/14/2001
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	<0.02	--
Styrene	mg/l	--	--	--	<0.0005	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02
Acetone	mg/l	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0005	0.0025
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	0.0008
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	0.0007	0.0016
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	00-2S 11/5/2000	00-2S 5/14/2001
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	<0.02	--
Styrene	mg/l	--	--	--	<0.0005	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02
Acetone	mg/l	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	0.0007	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	0.0008
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	00-3 11/5/2000	00-3 5/15/2001
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	<0.02	--
Styrene	mg/l	--	--	--	<0.0005	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02
Acetone	mg/l	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0011	0.0018
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	4 Centre S 2/17/1999
Semi-VOCs					
Acrolein	mg/l	--	--	--	<0.1
Acrylonitrile	mg/l	--	--	--	<0.1
Styrene	mg/l	--	--	--	<0.0005
VOCs					
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005
Acetone	mg/l	--	--	--	<0.02
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005
Bromoform	mg/l	--	--	--	<0.0005
Bromomethane	mg/l	--	--	--	<0.0013
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005
Chloroethane	mg/l	--	--	--	<0.005
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005
Dibromochloromethane	mg/l	--	--	--	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005
Trichloroethene	mg/l	0.005	--	--	0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	90-3D 5/20/1993	90-3D 9/1/1993	90-3D 11/24/1993	90-3D 5/16/1994	90-3D 9/20/1994	90-3D 4/24/1995	90-3D 9/19/1995	90-3D 5/8/1996
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	<0.1
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	<0.0005
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	0.0007
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	<0.001
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	<0.0005
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	**0.0117**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	90-3D 9/26/1996	90-3D 11/28/1996	90-3D 5/7/1997	90-3D 10/2/1997	90-3D 5/12/1998	90-3D 9/22/1998	90-3D 9/22/1998 90-3D-FD (Field Duplicate)	90-3D 5/4/1999
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1	<0.1	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Metyl Ethyl Ketone	mg/l	--	--	--	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Acetone	mg/l	--	--	--	<0.001	<0.001	<0.02	<0.02	<0.02	<0.02	<0.02	--
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Bromomethane	mg/l	--	--	--	<0.001	<0.001	<0.005	<0.005	<0.005	<0.0013	<0.0013	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	--
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	--	<0.001	0.0014	<0.005	<0.005	<0.005	<0.005	<0.005	--
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0007	<0.0005	0.001	0.0008	<0.0005	<0.0005	<0.0005	--
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Vinyl Chloride	mg/l	0.002	--	--	<0.001	**0.0086**	**0.0122**	**0.0146**	**0.012**	**0.0028**	**0.0028**	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	90-3D 5/5/1999	90-3D 10/10/1999	90-3D 10/11/1999	90-3D 5/30/2000
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.02
Acrolein	mg/l	--	--	--	<0.01	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0006
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0004
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0005	--	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0004
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.001
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	--	<0.001
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	--	<0.0007
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0007
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	<0.0003
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.001
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	--	<0.001
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.01	--	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	<0.01	--	--
Acetone	mg/l	--	--	--	<0.01	<0.02	--	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0002	--	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0002	--	<0.0004
Bromomethane	mg/l	--	--	--	<0.003	<0.003	--	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.001	--	<0.0009
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	--	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0002	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.002	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.001	--	0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.00014	--	<0.0002
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0002	--	<0.0003
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	--	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.001	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.00014	--	<0.0002
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.002	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.0059**	**0.0036**	--	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-10D 5/25/1993	91-10D 5/25/1993 91-10D-FD (Field Duplicate)	91-10D 8/31/1993	91-10D 11/25/1993	91-10D 5/12/1994	91-10D 9/16/1994	91-10D 4/20/1995	91-10D 9/18/1995
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-10D 5/9/1996	91-10D 5/9/1996 91-10D-FD (Field Duplicate)	91-10D 9/26/1996	91-10D 11/28/1996	91-10D 5/6/1997	91-10D 9/23/1997	91-10D 5/6/1998	91-10D 9/17/1998
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--
Acrylonitrile	mg/l	--	--	--	--	--	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1
Styrene	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Acetone	mg/l	--	--	--	--	--	<0.001	<0.001	<0.02	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	--	<0.001	<0.001	<0.005	<0.005	<0.005	<0.0013
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	--	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005
Chloroform	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	--	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	0.0016	0.0015	0.0014	0.001	<0.0005	0.0011
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	--	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	0.0012	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	--	**0.0053**	**0.0077**	**0.0068**	0.0045	0.0034	**0.0054**
Trichlorofluoromethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	--	<0.001	**0.0034**	<0.002	<0.002	<0.0005	0.0013

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-10D 4/27/1999	91-10D 9/23/1999	91-10D 5/23/2000	91-10D 5/9/2001	91-10D 5/9/2001 91-10D-FD (Field Duplicate)
Semi-VOCs									
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	--
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0015	<0.001	0.0014	0.0019	0.002
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	**0.0092**	0.0044	0.0034	**0.0103**	**0.0107**
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	0.0005	<0.0005	<0.0005	0.0015	0.0017

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-10M 5/20/1993	91-10M 8/31/1993	91-10M 11/25/1993	91-10M 5/12/1994	91-10M 9/16/1994	91-10M 4/20/1995	91-10M 9/18/1995	91-10M 5/9/1996
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-10M 5/9/1996 91-10M-FD (Field Duplicate)	91-10M 9/26/1996	91-10M 11/29/1996	91-10M 5/6/1997	91-10M 9/23/1997	91-10M 5/6/1998	91-10M 9/17/1998	91-10M 4/27/1999
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1
Acrylonitrile	mg/l	--	--	--	--	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1	<0.1
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Acetone	mg/l	--	--	--	--	<0.001	<0.001	<0.02	<0.02	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	<0.001	<0.001	<0.005	<0.005	<0.005	<0.0013	<0.0013
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	0.0028	0.0015	0.0017	<0.0005	<0.0005	<0.0005	0.0012
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	**0.0053**	0.0037	0.0028	0.0009	0.0008	0.001	0.0024
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	<0.001	**0.0243**	**0.0028**	<0.002	0.0014	<0.0005	**0.003**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-10M 9/23/1999	91-10M 9/23/1999 91-10M-FD (Field Duplicate)	91-10M 5/23/2000	91-10M 5/9/2001
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	--	<0.0005	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	--	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.02	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	--	0.0011	0.0016
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.001	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	--	0.003	0.0037
Trichlorofluoromethane	mg/l	--	--	--	<0.002	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	--	<0.0005	**0.004**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-10S 11/28/1996
Semi-VOCs					
Acrolein	mg/l	--	--	--	<0.1
Acrylonitrile	mg/l	--	--	--	<0.001
Styrene	mg/l	--	--	--	<0.0005
VOCs					
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.001
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005
Acetone	mg/l	--	--	--	<0.001
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005
Bromoform	mg/l	--	--	--	<0.0005
Bromomethane	mg/l	--	--	--	<0.001
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005
Chloroethane	mg/l	--	--	--	<0.001
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005
Dibromochloromethane	mg/l	--	--	--	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005
Trichloroethene	mg/l	0.005	--	--	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.001

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-11D 5/20/1993	91-11D 8/31/1993	91-11D 8/31/1993 91-11D-FD (Field Duplicate)	91-11D 11/25/1993	91-11D 5/12/1994	91-11D 9/16/1994	91-11D 4/20/1995	91-11D 9/18/1995
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-11D 5/8/1996	91-11D 9/25/1996	91-11D 11/28/1996	91-11D 5/6/1997	91-11D 9/23/1997	91-11D 5/6/1998	91-11D 9/17/1998	91-11D 4/27/1999
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	<0.1	<0.1	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	<0.001	<0.001	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	<0.0005	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	<0.0005	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.001	<0.001	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Acetone	mg/l	--	--	--	--	<0.001	<0.001	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.001	<0.001	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	<0.0005	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	<0.001	<0.001	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	<0.001	<0.001	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	0.0016	0.0009	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	<0.0005	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	<0.001	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	<0.0005	<0.0005	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	**0.0062**	0.0039	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	<0.001	<0.001	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-11D 9/23/1999	91-11D 9/23/1999 91-11D-FD (Field Duplicate)
Semi-VOCs						
Acrolein	mg/l	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--
VOCs						
1,1,1-Trichloroethane	mg/l	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--
Chloroethane	mg/l	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-11S 5/25/1993	91-11S 9/1/1993	91-11S 11/25/1993	91-11S 5/24/1994	91-11S 9/23/1994	91-11S 4/26/1995	91-11S 9/20/1995	91-11S 5/9/1996
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-11S 5/9/1996 91-11S-FD (Field Duplicate)	91-11S 9/25/1996	91-11S 11/28/1996	91-11S 5/6/1997	91-11S 9/23/1997	91-11S 5/6/1998	91-11S 9/17/1998	91-11S 4/28/1999
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	<0.1	<0.1	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	<0.001	<0.001	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	<0.0005	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	<0.0005	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.001	<0.001	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Acetone	mg/l	--	--	--	--	<0.001	<0.001	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.001	<0.001	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	<0.0005	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	<0.001	<0.001	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	<0.001	<0.001	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	<0.0005	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	<0.001	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	<0.0005	<0.0005	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	<0.001	<0.001	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-11S 9/23/1999
Semi-VOCs					
Acrolein	mg/l	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	--
Benzene	mg/l	0.005	--	--	--
Bromodichloromethane	mg/l	--	--	--	--
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--
Chloroethane	mg/l	--	--	--	--
Chloroform	mg/l	--	--	--	--
Chloromethane	mg/l	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--
m,p-Xylenes	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--
o-Xylene	mg/l	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--
Toluene	mg/l	--	0.024	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-2D 5/20/1993	91-2D 8/30/1993	91-2D 11/24/1993	91-2D 11/24/1993 91-2D-FD (Field Duplicate)	91-2D 5/11/1994	91-2D 9/16/1994	91-2D 4/24/1995	91-2D 4/24/1995 91-2D-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-2D 9/18/1995	91-2D 5/8/1996	91-2D 9/26/1996	91-2D 11/28/1996	91-2D 5/5/1997	91-2D 9/30/1997	91-2D 5/11/1998	91-2D 5/12/1998
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1
Acrylonitrile	mg/l	--	--	--	--	<0.001	<0.001	<0.001	<0.1	<0.1	--	<0.1
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Acetone	mg/l	--	--	--	--	<0.001	<0.001	<0.001	<0.02	<0.02	<0.02	--
Benzene	mg/l	0.005	--	--	--	<0.0005	<0.0005	0.0008	0.0007	0.0006	--	0.0009
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Bromoform	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Bromomethane	mg/l	--	--	--	--	<0.001	<0.001	<0.001	<0.005	<0.005	--	<0.005
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Chloroethane	mg/l	--	--	--	--	0.005	0.0028	<0.001	<0.005	<0.005	--	<0.005
Chloroform	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.001	<0.001	0.002	<0.005	<0.005	--	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	0.0068	0.0053	0.0033	0.0036	0.0024	0.0015	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Toluene	mg/l	--	0.024	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	--	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	**0.0416**	**0.0439**	**0.186**	**0.0572**	<0.002	--	**0.019**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-2D 9/21/1998	91-2D 9/21/1998 91-2D-FD (Field Duplicate)	91-2D 5/4/1999	91-2D 9/29/1999	91-2D 5/30/2000	91-2D 5/14/2001	91-2D 5/14/2001 91-2D-FD (Field Duplicate)	91-2D 9/7/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	--	--	--
Acrolein	mg/l	--	--	--	--	--	<0.01	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005	<0.0006	<0.0006	<0.0006	--
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01	<0.02	<0.02	<0.02	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.01	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.01	<0.1	<0.1	<0.1	--
Benzene	mg/l	0.005	--	--	0.0011	0.0011	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0003	<0.0003	<0.0003	--
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0004	--	--	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003	<0.0005	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001	<0.0009	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	--
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	--
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	<0.001	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0019	0.0019	0.0024	0.0019	0.0015	0.0008	0.0009	--
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	<0.0002	--	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0003	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.004	<0.004	<0.004	--
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001	<0.0004	<0.0004	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	<0.0002	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003	--
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	--	**0.023**	**0.023**	**0.017**	**0.014**	<0.0005	**0.009**	**0.0086**	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-2M 5/20/1993	91-2M 8/30/1993	91-2M 11/24/1993	91-2M 5/11/1994	91-2M 9/16/1994	91-2M 9/16/1994 91-2M-FD (Field Duplicate)	91-2M 4/24/1995	91-2M 9/13/1995
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-2M 5/8/1996	91-2M 9/26/1996	91-2M 11/28/1996	91-2M 5/5/1997	91-2M 9/30/1997	91-2M 5/11/1998	91-2M 5/12/1998	91-2M 9/21/1998
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	--
Acrylonitrile	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.1	<0.1	--	<0.1	<0.1
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	--	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Acetone	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.02	<0.02	<0.02	--	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	--	0.0007	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.005	<0.005	--	<0.005	<0.0013
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.005	<0.005	--	<0.005	<0.005
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.005	<0.005	--	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	0.0043	0.0014	0.0007	0.0066	0.0041	--	0.0037
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	0.0015	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	--	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	<0.001	<0.001	**0.0135**	**0.0095**	**0.147**	--	**0.057**	**0.04**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-2M 9/21/1998 91-2M-FD (Field Duplicate)	91-2M 5/4/1999	91-2M 9/29/1999	91-2M 9/29/1999 91-2M-FD (Field Duplicate)	91-2M 5/29/2000	91-2M 5/14/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	--	<0.01	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.001	<0.0005	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	<0.01	--	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.01	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.01	<0.02	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	0.0006	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0002	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	<0.0002	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	<0.003	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	<0.001	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	<0.001	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	<0.0002	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	<0.002	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0037	0.004	0.004	--	<0.0004	0.0015
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.00014	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0002	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.001	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.00014	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	<0.002	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.04**	**0.025**	**0.025**	--	<0.0005	**0.0193**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-2S 5/25/1993	91-2S 9/1/1993	91-2S 11/24/1993	91-2S 5/24/1994	91-2S 9/23/1994	91-2S 4/25/1995	91-2S 9/20/1995	91-2S 5/9/1996
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	<0.1
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	<0.0005
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	<0.001
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	<0.0005
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	<0.001

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-2S 5/9/1996 91-2S-FD (Field Duplicate)	91-2S 9/26/1996	91-2S 9/30/1996	91-2S 11/28/1996	91-2S 5/7/1997	91-2S 9/30/1997	91-2S 5/11/1998	91-2S 9/21/1998
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	<0.1	<0.1	<0.1	--	<0.1	--	--
Acrylonitrile	mg/l	--	--	--	--	<0.001	<0.001	<0.001	--	<0.1	--	--
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.001	<0.001	<0.001	--	<0.005	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Acetone	mg/l	--	--	--	--	<0.001	<0.001	<0.001	--	<0.02	--	--
Benzene	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Bromoform	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Bromomethane	mg/l	--	--	--	--	<0.001	<0.001	<0.001	--	<0.005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Chloroethane	mg/l	--	--	--	--	<0.001	<0.001	<0.001	--	<0.005	--	--
Chloroform	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Chloromethane	mg/l	--	--	--	--	<0.001	<0.001	<0.001	--	<0.005	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	<0.001	<0.001	--	<0.001	--	--
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Toluene	mg/l	--	0.024	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Trichloroethene	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.005	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	<0.001	<0.001	<0.001	--	<0.002	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-2S 5/4/1999	91-2S 9/29/1999	91-2S 5/29/2000	91-2S 5/14/2001
Semi-VOCs								
Acrolein	mg/l	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--
VOCs								
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-3D 5/18/1993	91-3D 9/1/1993	91-3D 11/25/1993	91-3D 4/12/1994	91-3D 9/23/1994	91-3D 9/23/1994 91-3D-FD (Field Duplicate)	91-3D 12/7/1994	91-3D 4/24/1995
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-3D 9/19/1995	91-3D 9/19/1995 91-3D-FD (Field Duplicate)	91-3D 11/22/1995	91-3D 11/22/1995 91-3D-FD (Field Duplicate)	91-3D 5/8/1996	91-3D 9/24/1996	91-3D 11/28/1996	91-3D 5/6/1997
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	<0.1	<0.1	<0.1	<0.1
Acrylonitrile	mg/l	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.1
Styrene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Acetone	mg/l	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.02
Benzene	mg/l	0.005	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	--	--	--	0.0014	<0.001	<0.001	<0.005
Chloroform	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	0.002	0.0023	<0.0005	0.0021
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	**0.0088**	<0.001	<0.001	<0.002

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-3D 9/25/1997	91-3D 5/12/1998	91-3D 9/16/1998	91-3D 4/29/1999	91-3D 5/3/1999	91-3D 9/28/1999	91-3D 5/25/2000	91-3D 5/25/2000 91-3D-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	<0.02	<0.02
Acrolein	mg/l	--	--	--	<0.1	<0.1	--	<0.01	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.005	--	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0006	<0.0006
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0004	<0.0004
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0004	<0.0004
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.001	<0.001
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0007	<0.0007
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0007	<0.0007
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	<0.0003	<0.0003
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.01	--	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.01	--	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0002	<0.0004	<0.0004
Bromomethane	mg/l	--	--	--	<0.005	<0.005	<0.0013	<0.003	--	<0.003	<0.0005	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.001	<0.0009	<0.0009
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.001	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0002	0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0006	0.0018	0.0008	0.0018	--	<0.001	0.0005	0.0006
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	--	<0.00014	<0.0002	<0.0002
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0002	<0.0003	<0.0003
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	0.0007	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	--	<0.00014	<0.0002	<0.0002
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	--	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.002	**0.005**	**0.0057**	<0.0005	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-3D 5/8/2001	91-3D 5/8/2001 91-3D-FD (Field Duplicate)
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	0.0008	0.0008

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-3M 5/18/1993	91-3M 9/1/1993	91-3M 11/25/1993	91-3M 9/23/1994	91-3M 12/7/1994	91-3M 4/25/1995	91-3M 9/19/1995	91-3M 11/22/1995
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-3M 5/8/1996	91-3M 9/24/1996	91-3M 11/28/1996	91-3M 5/6/1997	91-3M 9/25/1997	91-3M 5/12/1998	91-3M 9/16/1998	91-3M 4/29/1999
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.01
Acrylonitrile	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.1	<0.1	<0.1	<0.5	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.001
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.025	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.01
Acetone	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.02	<0.02	<0.02	<0.1	<0.01
Benzene	mg/l	0.005	--	--	0.0009	0.0013	0.0008	0.0009	0.0005	<0.0005	<0.0025	0.0007
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0002
Bromomethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.0065	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
Chloroethane	mg/l	--	--	--	0.0035	<0.001	0.0012	<0.005	0.006	<0.005	<0.025	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0002
Chloromethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.025	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0089	0.0081	0.0056	0.005	0.0037	0.0018	0.0036	0.0048
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	0.0008	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.025	<0.002
Vinyl Chloride	mg/l	0.002	--	--	**0.169**	<0.001	**0.222**	**0.0603**	<0.002	**0.006**	**0.077**	**0.037**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-3M 5/4/1999	91-3M 9/27/1999	91-3M 5/25/2000	91-3M 5/25/2000 91-3M-FD (Field Duplicate)	91-3M 5/8/2001
Semi-VOCs									
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	<0.02	--
Acrolein	mg/l	--	--	--	--	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	--	<0.005	--	--	--
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0004	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0004	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	<0.001	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	<0.0007	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	<0.0007	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	<0.0004	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.01	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.01	--	--	--
Acetone	mg/l	--	--	--	--	<0.02	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	0.0006
Bromodichloromethane	mg/l	--	--	--	--	<0.0002	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	<0.0004	<0.0004	--
Bromomethane	mg/l	--	--	--	--	<0.003	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.001	<0.0009	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	--	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	<0.0002	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.002	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	0.003	0.0028	0.0029	0.0036
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.00014	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	<0.0003	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.001	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.00014	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	--	<0.0005	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	<0.002	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	**0.024**	<0.0005	<0.0005	**0.0449**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-3S 5/18/1993	91-3S 9/1/1993	91-3S 9/1/1993 91-3S-FD (Field Duplicate)	91-3S 11/25/1993	91-3S 11/25/1993 91-3S-FD (Field Duplicate)	91-3S 4/12/1994	91-3S 9/23/1994	91-3S 12/7/1994
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-3S 4/24/1995	91-3S 9/19/1995	91-3S 9/19/1995 91-3S-FD (Field Duplicate)	91-3S 11/22/1995	91-3S 5/8/1996	91-3S 9/24/1996	91-3S 11/28/1996	91-3S 5/6/1997
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	<0.1	<0.1	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.001	--
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	<0.0005	<0.0005	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	<0.0005	<0.0005	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.001	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Acetone	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.001	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.001	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	<0.0005	<0.0005	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	<0.001	0.0021	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	0.0007	<0.0005	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	<0.001	<0.001	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	<0.001	<0.001	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-3S 9/25/1997	91-3S 5/12/1998	91-3S 9/16/1998	91-3S 5/3/1999	91-3S 9/27/1999	91-3S 9/27/1999 91-3S-FD (Field Duplicate)	91-3S 5/25/2000	91-3S 5/8/2001
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	<0.1
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-5D 5/25/1993	91-5D 8/31/1993	91-5D 11/25/1993	91-5D 4/13/1994	91-5D 9/23/1994	91-5D 12/6/1994	91-5D 4/26/1995	91-5D 9/19/1995
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-5D 9/19/1995 91-5D-FD (Field Duplicate)	91-5D 11/22/1995	91-5D 5/8/1996	91-5D 9/25/1996	91-5D 11/27/1996	91-5D 5/5/1997	91-5D 9/24/1997	91-5D 5/6/1998
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acrylonitrile	mg/l	--	--	--	--	--	<0.001	<0.001	<0.001	<0.1	<0.1	<0.1
Styrene	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Acetone	mg/l	--	--	--	--	--	<0.001	<0.001	<0.001	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	0.007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	--	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	--	<0.001	<0.001	0.0011	<0.005	<0.005	<0.005
Chloroform	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	--	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	0.0027	0.0021	0.0023	0.0023	0.002	0.0013
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	--	<0.0005	0.0012	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	--	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	--	<0.0005	**0.0125**	**0.0075**	**0.0072**	**0.0071**	0.0036
Trichlorofluoromethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	--	**0.0132**	<0.001	**0.0036**	**0.0184**	<0.002	**0.0038**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-5D 9/17/1998	91-5D 4/27/1999	91-5D 9/22/1999	91-5D 5/23/2000	91-5D 5/14/2001
Semi-VOCs									
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	--	<0.1	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.005	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0023	0.0027	0.0025	0.0033	0.0023
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	**0.007**	**0.0075**	**0.0054**	0.0048	0.0027
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.0033**	<0.0005	**0.0066**	<0.0005	**0.0101**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-5S 5/25/1993	91-5S 9/1/1993	91-5S 11/25/1993	91-5S 4/13/1994	91-5S 9/20/1994	91-5S 12/7/1994	91-5S 4/26/1995	91-5S 9/19/1995
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-5S 11/23/1995	91-5S 5/9/1996	91-5S 5/9/1996 91-5S-FD (Field Duplicate)	91-5S 9/25/1996	91-5S 11/27/1996	91-5S 5/5/1997	91-5S 9/24/1997	91-5S 5/6/1998
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	<0.1	--	<0.1	<0.1	<0.1	<0.1	<0.1
Acrylonitrile	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.1	<0.1	<0.1
Styrene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	0.0016
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.005	<0.005	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Acetone	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.02	<0.02	0.16
Benzene	mg/l	0.005	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.005	<0.005	<0.005
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.005	<0.005	<0.005
Chloroform	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	0.0007	--	0.0011	<0.0005	0.0007	0.001	0.0019
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	0.0009
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	0.0018
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.001	0.0023
o-Xylene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	0.0014
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	<0.0005	--	0.0011	<0.0005	0.0005	<0.0005	0.0028
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	0.0029	--	**0.0053**	0.0016	0.0022	0.0022	0.0041
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.005	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	<0.001	--	<0.001	<0.001	<0.002	<0.002	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-5S 9/17/1998	91-5S 4/27/1999	91-5S 9/22/1999	91-5S 9/22/1999 91-5S-FD (Field Duplicate)	91-5S 5/24/2000	91-5S 5/14/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	--	<0.1	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	--	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	0.0061	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	--	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	--	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.005	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	--	0.0102	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0008	0.0009	0.0015	--	<0.0004	0.0008
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	0.0043	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	0.0021	0.0027	0.002	--	0.0025	0.001
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	0.0007	<0.0005	**0.0074**	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-6D 5/19/1993	91-6D 8/31/1993	91-6D 11/25/1993	91-6D 11/25/1993 91-6D-FD (Field Duplicate)	91-6D 4/12/1994	91-6D 9/27/1994	91-6D 4/24/1995	91-6D 9/19/1995
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-6D 5/8/1996	91-6D 9/25/1996	91-6D 5/7/1997	91-6D 9/25/1997	91-6D 5/11/1998	91-6D 9/16/1998	91-6D 4/29/1999	91-6D 9/16/1999
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-6D 1/27/2000	91-6D 5/24/2000	91-6D 10/15/2000	91-6D 5/8/2001
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	--	<0.0005	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	--	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0007	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0004	--	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	--	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	--	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.01	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0004	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0005	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0003	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	--	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	--	<0.0005	0.002

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-7D 5/19/1993	91-7D 8/31/1993	91-7D 11/25/1993	91-7D 4/12/1994	91-7D 9/16/1994	91-7D 12/7/1994	91-7D 4/26/1995	91-7D 9/19/1995
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-7D 11/22/1995	91-7D 5/9/1996	91-7D 5/9/1996 91-7D-FD (Field Duplicate)	91-7D 9/24/1996	91-7D 11/27/1996	91-7D 5/5/1997	91-7D 9/25/1997	91-7D 5/6/1998
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	<0.1	--	<0.1	<0.1	<0.1	<0.1	<0.1
Acrylonitrile	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.1	<0.1	<0.1
Styrene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.005	<0.005	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Acetone	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.005	<0.005	<0.005
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	<0.001	--	<0.001	0.01	<0.005	<0.005	<0.005
Chloroform	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	0.0007	--	0.0026	0.0023	0.001	0.0006	<0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	0.0012	--	<0.001	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	0.0006	--	0.0007	<0.0005	0.0005	0.0008	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.005	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	**0.0024**	--	<0.001	**0.0215**	**0.0049**	<0.002	0.0013

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-7D 9/17/1998	91-7D 4/29/1999	91-7D 9/16/1999	91-7D 5/25/2000	91-7D 5/8/2001
Semi-VOCs									
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	--	<0.01	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.001	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.01	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.01	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0011	0.0013	<0.001	<0.0004	0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	0.002	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	0.0005	0.001	0.0004	0.0004
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.0024**	**0.0062**	<0.0005	<0.0005	0.0009

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-7S 5/19/1993	91-7S 8/31/1993	91-7S 11/25/1993	91-7S 4/12/1994	91-7S 9/16/1994	91-7S 12/7/1994	91-7S 4/26/1995	91-7S 9/19/1995
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-7S 11/22/1995	91-7S 5/9/1996	91-7S 5/9/1996 91-7S-FD (Field Duplicate)	91-7S 9/24/1996	91-7S 11/27/1996	91-7S 5/5/1997	91-7S 9/25/1997	91-7S 5/7/1998
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	<0.1	--	<0.1	<0.1	<0.1	<0.1	<0.1
Acrylonitrile	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.1	<0.1	<0.1
Styrene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.005	<0.005	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Acetone	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	--	<0.0005	--	<0.0005	<0.0005	0.0006	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.005	<0.005	<0.005
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	0.0063	--	<0.001	0.0153	<0.005	<0.005	<0.005
Chloroform	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	0.0042	--	0.003	0.0039	0.0038	0.0021	0.0009
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	--	<0.0005	0.0011	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	0.0006	--	0.0008	<0.0005	0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.005	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	**0.133**	--	<0.001	**0.0411**	**0.0558**	<0.002	**0.0089**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-7S 5/11/1998	91-7S 9/17/1998	91-7S 4/29/1999	91-7S 9/16/1999	91-7S 5/25/2000
Semi-VOCs									
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02
Acrolein	mg/l	--	--	--	--	--	<0.01	<0.01	--
Acrylonitrile	mg/l	--	--	--	--	<0.1	<0.005	<0.005	--
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	<0.001	<0.0005	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	<0.0005	<0.0005	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0007
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0007
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	<0.0005	<0.0005	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.005	<0.01	<0.01	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	<0.01	<0.01	--
Acetone	mg/l	--	--	--	--	<0.02	<0.01	<0.02	<0.1
Benzene	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	<0.0002	<0.0002	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0005	<0.0002	<0.0002	<0.0004
Bromomethane	mg/l	--	--	--	--	<0.0013	<0.003	<0.003	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	<0.001	<0.001	<0.0009
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Chloroethane	mg/l	--	--	--	--	<0.005	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	<0.0005	<0.0002	<0.0002	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.005	<0.002	<0.002	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	0.0016	0.0023	0.0014	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.00014	<0.00014	<0.0002
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	<0.0002	<0.0002	<0.0003
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	<0.001	<0.001	<0.004
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	<0.0005	<0.0005	<0.0003
Toluene	mg/l	--	0.024	--	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	<0.001	<0.001	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.00014	<0.00014	<0.0002
Trichloroethene	mg/l	0.005	--	--	--	<0.0005	0.0006	<0.0005	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	<0.005	<0.002	<0.002	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	**0.0063**	**0.0096**	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-9D 5/20/1993	91-9D 8/31/1993	91-9D 11/25/1993	91-9D 5/12/1994	91-9D 9/20/1994	91-9D 4/20/1995	91-9D 9/20/1995	91-9D 5/8/1996
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-9D 9/25/1996	91-9D 11/28/1996	91-9D 5/6/1997	91-9D 9/23/1997	91-9D 5/6/1998	91-9D 9/17/1998	91-9D 4/27/1999	91-9D 9/23/1999
Semi-VOCs												
Acrolein	mg/l	--	--	--	<0.1	<0.1	--	--	--	--	<0.1	--
Acrylonitrile	mg/l	--	--	--	<0.001	<0.001	--	--	--	--	<0.1	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Metyl Ethyl Ketone	mg/l	--	--	--	<0.001	<0.001	--	--	--	--	<0.005	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.005	--
Acetone	mg/l	--	--	--	<0.001	<0.001	--	--	--	--	<0.02	--
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Bromomethane	mg/l	--	--	--	<0.001	<0.001	--	--	--	--	<0.0013	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Chloroethane	mg/l	--	--	--	<0.001	<0.001	--	--	--	--	<0.005	--
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Chloromethane	mg/l	--	--	--	<0.001	<0.001	--	--	--	--	<0.005	--
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	--	--	--	--	<0.001	--
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	--	--	--	--	<0.0005	--
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	--	--	<0.005	--
Vinyl Chloride	mg/l	0.002	--	--	<0.001	<0.001	--	--	--	--	<0.0005	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-9S 5/20/1993	91-9S 5/20/1993 91-9S-FD (Field Duplicate)	91-9S 9/1/1993	91-9S 11/25/1993	91-9S 11/25/1993 91-9S-FD (Field Duplicate)	91-9S 5/12/1994	91-9S 9/20/1994	91-9S 4/20/1995
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-9S 9/20/1995	91-9S 5/8/1996	91-9S 9/25/1996	91-9S 11/28/1996	91-9S 5/6/1997	91-9S 9/23/1997	91-9S 5/6/1998	91-9S 9/17/1998
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	<0.1	<0.1	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	<0.001	<0.001	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	<0.0005	<0.0005	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	<0.0005	<0.0005	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0005	<0.0005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	<0.0005	<0.0005	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	<0.001	<0.001	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Acetone	mg/l	--	--	--	--	--	<0.001	<0.001	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.001	<0.001	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	<0.0005	<0.0005	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	<0.001	<0.001	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	<0.001	<0.001	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	<0.0005	<0.0005	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	<0.001	<0.001	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	<0.0005	<0.0005	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	<0.001	<0.001	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	91-9S 4/27/1999	91-9S 9/23/1999
Semi-VOCs						
Acrolein	mg/l	--	--	--	<0.1	--
Acrylonitrile	mg/l	--	--	--	<0.1	--
Styrene	mg/l	--	--	--	<0.0005	--
VOCs						
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	--
Acetone	mg/l	--	--	--	<0.02	--
Benzene	mg/l	0.005	--	--	<0.0005	--
Bromodichloromethane	mg/l	--	--	--	<0.0005	--
Bromoform	mg/l	--	--	--	<0.0005	--
Bromomethane	mg/l	--	--	--	<0.0013	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--
Chloroethane	mg/l	--	--	--	<0.005	--
Chloroform	mg/l	--	--	--	<0.0005	--
Chloromethane	mg/l	--	--	--	<0.005	--
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--
m,p-Xylenes	mg/l	--	--	--	<0.0005	--
Methylene Chloride	mg/l	0.05	--	--	<0.001	--
o-Xylene	mg/l	--	--	--	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--
Toluene	mg/l	--	0.024	--	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	--
Trichlorofluoromethane	mg/l	--	--	--	<0.005	--
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-1D 5/20/1993	93-1D 9/1/1993	93-1D 11/25/1993	93-1D 4/13/1994	93-1D 9/23/1994	93-1D 4/26/1995	93-1D 9/20/1995	93-1D 5/9/1996
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-1D 5/9/1996 93-1D-FD (Field Duplicate)	93-1D 9/25/1996	93-1D 11/27/1996	93-1D 5/6/1997	93-1D 9/24/1997	93-1D 5/11/1998	93-1D 9/17/1998	93-1D 5/4/1999
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	<0.1	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	<0.001	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	<0.0005	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	<0.0005	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0005	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	<0.0005	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	<0.001	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	<0.001	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	<0.0005	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.001	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0005	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	<0.0005	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	<0.001	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	<0.001	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	<0.0005	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	<0.001	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	<0.0005	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	<0.0005	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	<0.0005	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	<0.001	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-1D 9/23/1999
Semi-VOCs					
Acrolein	mg/l	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	--
Benzene	mg/l	0.005	--	--	--
Bromodichloromethane	mg/l	--	--	--	--
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--
Chloroethane	mg/l	--	--	--	--
Chloroform	mg/l	--	--	--	--
Chloromethane	mg/l	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--
m,p-Xylenes	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--
o-Xylene	mg/l	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--
Toluene	mg/l	--	0.024	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-1M 5/19/1993	93-1M 9/1/1993	93-1M 11/25/1993	93-1M 4/13/1994	93-1M 9/20/1994	93-1M 4/25/1995	93-1M 9/20/1995	93-1M 5/8/1996
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-1M 9/25/1996	93-1M 11/27/1996	93-1M 5/6/1997	93-1M 9/24/1997	93-1M 5/11/1998	93-1M 9/17/1998	93-1M 4/27/1999	93-1M 9/23/1999
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	<0.1	--	--	--	--	<0.1	--
Acrylonitrile	mg/l	--	--	--	--	<0.001	--	--	--	--	<0.1	--
Styrene	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	--	--	--	--	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	--	--	--	--	<0.0005	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	--	--	--	--	<0.0005	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	--	--	--	--	<0.0005	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.001	--	--	--	--	<0.005	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.005	--
Acetone	mg/l	--	--	--	--	<0.001	--	--	--	--	<0.02	--
Benzene	mg/l	0.005	--	--	--	<0.0005	--	--	--	--	<0.0005	--
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
Bromoform	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
Bromomethane	mg/l	--	--	--	--	<0.001	--	--	--	--	<0.0013	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	--	--	--	--	<0.0005	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	--	--	--	--	<0.0005	--
Chloroethane	mg/l	--	--	--	--	<0.001	--	--	--	--	<0.005	--
Chloroform	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
Chloromethane	mg/l	--	--	--	--	<0.001	--	--	--	--	<0.005	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	--	--	--	--	<0.0005	--
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	--	--	--	--	<0.001	--
o-Xylene	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	--	--	--	--	<0.0005	--
Toluene	mg/l	--	0.024	--	--	<0.0005	--	--	--	--	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.0005	--
Trichloroethene	mg/l	0.005	--	--	--	<0.0005	--	--	--	--	<0.0005	--
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	<0.005	--
Vinyl Chloride	mg/l	0.002	--	--	--	<0.001	--	--	--	--	<0.0005	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-1S 5/19/1993	93-1S 5/19/1993 93-1S-FD (Field Duplicate)	93-1S 9/1/1993	93-1S 11/25/1993	93-1S 4/12/1994	93-1S 9/20/1994	93-1S 4/25/1995	93-1S 9/20/1995
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-1S 5/8/1996	93-1S 9/25/1996	93-1S 11/27/1996	93-1S 5/6/1997	93-1S 9/24/1997	93-1S 5/11/1998	93-1S 9/17/1998	93-1S 5/4/1999
Semi-VOCs												
Acrolein	mg/l	--	--	--	<0.1	--	<0.1	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.001	--	<0.001	--	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.0005	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.0005	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.0005	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.0005	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	<0.001	--	<0.001	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.001	--	<0.001	--	--	--	--	--
Benzene	mg/l	0.005	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Bromoform	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Bromomethane	mg/l	--	--	--	<0.001	--	<0.001	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.0005	--	--	--	--	--
Chloroethane	mg/l	--	--	--	<0.001	--	<0.001	--	--	--	--	--
Chloroform	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Chloromethane	mg/l	--	--	--	<0.001	--	<0.001	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0005	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.001	--	--	--	--	--
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0005	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	--	<0.0005	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	**0.0221**	--	<0.001	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-1S 9/21/1999
Semi-VOCs					
Acrolein	mg/l	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	--
Benzene	mg/l	0.005	--	--	--
Bromodichloromethane	mg/l	--	--	--	--
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--
Chloroethane	mg/l	--	--	--	--
Chloroform	mg/l	--	--	--	--
Chloromethane	mg/l	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--
m,p-Xylenes	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--
o-Xylene	mg/l	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--
Toluene	mg/l	--	0.024	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-2D 4/12/1994	93-2D 9/20/1994	93-2D 9/20/1994 93-2D-FD (Field Duplicate)	93-2D 12/7/1994	93-2D 4/26/1995	93-2D 9/19/1995	93-2D 11/23/1995	93-2D 5/9/1996
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	<0.01	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-2D 5/9/1996 93-2D-FD (Field Duplicate)	93-2D 9/24/1996	93-2D 11/27/1996	93-2D 5/5/1997	93-2D 9/24/1997	93-2D 12/2/1997	93-2D 5/7/1998	93-2D 9/17/1998
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	<0.0369	<0.1	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	<0.1	<0.1	<0.1
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Acetone	mg/l	--	--	--	--	--	--	--	--	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.0013
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
Chloroform	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	0.0019	0.00081	0.001

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-2D 4/29/1999	93-2D 5/4/1999	93-2D 9/16/1999	93-2D 9/17/1999	93-2D 9/28/1999	93-2D 5/24/2000	93-2D 9/18/2000	93-2D 5/14/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.02	<0.02	--
Acrolein	mg/l	--	--	--	--	<0.01	--	--	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	--	<0.005	--	--	<0.005	--	--	--
Styrene	mg/l	--	--	--	--	<0.0005	--	--	<0.0005	<0.0005	<0.0005	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	--	<0.0005	<0.0004	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.001	--	--	<0.001	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	--	<0.0005	<0.0004	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0004	--	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	--	--	<0.0005	<0.001	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	--	--	<0.0005	<0.001	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	--	--	<0.0005	<0.0007	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	--	--	<0.0005	<0.0007	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	--	--	<0.0005	<0.001	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	--	--	<0.0005	<0.001	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.01	--	--	<0.01	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.01	--	--	<0.01	--	--	--
Acetone	mg/l	--	--	--	--	<0.01	--	--	<0.01	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	--	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0002	--	--	<0.0002	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	<0.0002	<0.0004	<0.0004	--
Bromomethane	mg/l	--	--	--	--	<0.003	--	--	<0.003	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.001	--	--	<0.001	<0.0009	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	--	--	<0.0005	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	--	<0.001	--	--	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	<0.0002	--	--	<0.0002	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.002	--	--	<0.002	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.001	--	--	<0.001	<0.0004	0.0005	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.00014	--	--	<0.00014	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	<0.0002	<0.0003	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	--	--	<0.001	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	--	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	--	--	<0.0005	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	--	<0.0005	--	--	<0.0005	0.0006	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.001	--	--	<0.001	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.00014	--	--	<0.00014	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	--	<0.0005	--	--	<0.0005	<0.0003	0.0005	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	<0.002	--	--	<0.002	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	<0.0005	--	--	<0.0005	<0.0005	0.0016	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-2D 9/7/2001
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Acrolein	mg/l	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.1
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.001
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-2M 4/13/1994	93-2M 9/20/1994	93-2M 12/7/1994	93-2M 4/25/1995	93-2M 9/19/1995	93-2M 11/23/1995	93-2M 5/9/1996	93-2M 5/9/1996 93-2M-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-2M 9/24/1996	93-2M 11/27/1996	93-2M 5/5/1997	93-2M 9/25/1997	93-2M 12/2/1997	93-2M 5/7/1998	93-2M 9/17/1998	93-2M 4/29/1999
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	--	--	<0.0369	<0.1	--	<0.01
Acrylonitrile	mg/l	--	--	--	<0.001	<0.001	--	--	<0.1	<0.1	<0.1	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.001
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.001	<0.001	--	--	<0.005	<0.005	<0.005	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.01
Acetone	mg/l	--	--	--	<0.001	<0.001	--	--	<0.02	<0.02	<0.02	<0.01
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Bromomethane	mg/l	--	--	--	<0.001	<0.001	--	--	<0.005	<0.005	<0.0013	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.001	<0.001	--	--	<0.005	<0.005	<0.005	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Chloromethane	mg/l	--	--	--	<0.001	<0.001	--	--	<0.005	<0.005	<0.005	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	--	--	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	--	--	0.0006	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	<0.005	<0.005	<0.005	<0.002
Vinyl Chloride	mg/l	0.002	--	--	<0.001	<0.001	--	--	<0.00086	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-2M 9/16/1999	93-2M 9/28/1999	93-2M 5/24/2000	93-2M 9/18/2000	93-2M 5/14/2001	93-2M 9/7/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	<0.02	--	--
Acrolein	mg/l	--	--	--	--	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0004	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.001	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0004	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	<0.001	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	<0.001	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	<0.0007	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	<0.0007	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	<0.001	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	<0.001	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.01	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	--	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0002	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	<0.0004	<0.0004	--	--
Bromomethane	mg/l	--	--	--	--	<0.003	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.001	<0.0009	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.002	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.00014	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	<0.0003	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.00014	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	--	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-2S 4/12/1994	93-2S 9/23/1994	93-2S 12/7/1994	93-2S 12/7/1994 93-2S-FD (Field Duplicate)	93-2S 4/25/1995	93-2S 9/20/1995	93-2S 11/23/1995	93-2S 5/9/1996
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-2S 5/9/1996 93-2S-FD (Field Duplicate)	93-2S 9/24/1996	93-2S 11/27/1996	93-2S 5/5/1997	93-2S 9/25/1997	93-2S 12/2/1997	93-2S 5/7/1998	93-2S 9/17/1998
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	<0.0369	<0.1	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	<0.1	<0.1	<0.1
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Acetone	mg/l	--	--	--	--	--	--	--	--	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.0013
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
Chloroform	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	<0.00086	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-2S 4/29/1999	93-2S 9/16/1999	93-2S 9/27/1999	93-2S 9/28/1999	93-2S 5/24/2000	93-2S 9/18/2000	93-2S 5/14/2001	93-2S 9/7/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.02	--	--
Acrolein	mg/l	--	--	--	<0.01	--	--	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	--	--	<0.0005	--	<0.0005	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	--	<0.0005	--	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	--	--	<0.001	--	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	--	<0.0005	--	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	--	<0.0005	--	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	--	<0.0005	--	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	--	<0.0005	--	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	--	<0.0005	--	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	--	<0.0005	--	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	--	<0.0005	--	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	--	--	<0.01	--	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	<0.01	--	--	<0.01	--	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	--	--	<0.0002	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	--	--	<0.0002	--	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.003	--	--	<0.003	--	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	--	--	<0.001	--	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	--	<0.0005	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	--	--	<0.001	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	--	--	<0.0002	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	--	--	<0.002	--	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	--	--	<0.001	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	--	--	<0.00014	--	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	--	--	<0.0002	--	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	--	<0.0005	--	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	--	<0.001	--	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	--	<0.0005	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.001	--	--	<0.001	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	--	--	<0.00014	--	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	--	--	<0.0005	--	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	--	--	<0.002	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-3D 4/12/1994	93-3D 9/20/1994	93-3D 4/26/1995	93-3D 9/19/1995	93-3D 5/9/1996	93-3D 5/9/1996 93-3D-FD (Field Duplicate)	93-3D 9/24/1996	93-3D 5/5/1997
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-3D 9/25/1997	93-3D 5/7/1998	93-3D 9/16/1998	93-3D 4/30/1999	93-3D 9/16/1999	93-3D 1/27/2000	93-3D 5/24/2000	93-3D 5/8/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	<0.0004	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0007	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0007	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	<0.0004	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.0004	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0009	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0003	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-3S 4/12/1994	93-3S 9/20/1994	93-3S 4/25/1995	93-3S 9/19/1995	93-3S 5/9/1996	93-3S 5/9/1996 93-3S-FD (Field Duplicate)	93-3S 9/24/1996	93-3S 5/5/1997
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-3S 9/25/1997	93-3S 5/7/1998	93-3S 9/16/1998	93-3S 4/30/1999	93-3S 9/16/1999	93-3S 1/27/2000	93-3S 5/24/2000	93-3S 10/15/2000
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	<0.02	<0.02
Acrolein	mg/l	--	--	--	--	--	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	<0.0006	<0.0006
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.0004	<0.0004
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	<0.0004	<0.001	<0.001
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0007	<0.0007	<0.0007
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0007	<0.0007	<0.0007
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	<0.0003	<0.0003
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.001	<0.001
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	<0.0004	<0.001	<0.001
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.0004	<0.0004
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0009	<0.0009	<0.0009
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0003	<0.0003	<0.0003
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	<0.001	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-3S 5/8/2001
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Acrolein	mg/l	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.1
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.001
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-4D 4/12/1994	93-4D 9/20/1994	93-4D 12/7/1994	93-4D 12/7/1994 93-4D-FD (Field Duplicate)	93-4D 4/25/1995	93-4D 9/19/1995	93-4D 11/23/1995	93-4D 5/9/1996
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-4D 5/9/1996 93-4D-FD (Field Duplicate)	93-4D 9/24/1996	93-4D 11/27/1996	93-4D 5/5/1997	93-4D 9/25/1997	93-4D 5/7/1998	93-4D 9/16/1998	93-4D 4/30/1999
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-4D 9/16/1999	93-4D 1/27/2000	93-4D 5/24/2000	93-4D 9/20/2000	93-4D 5/8/2001	93-4D 9/7/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	<0.02	--	--
Acrolein	mg/l	--	--	--	--	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	<0.0006	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0004	<0.0004	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0004	<0.0004	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.001	<0.001	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0004	<0.001	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0007	<0.0007	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0007	<0.0007	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	<0.0003	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0004	<0.001	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0004	<0.001	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.01	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	--	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0004	<0.0004	<0.0004	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0009	<0.0009	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.001	<0.001	0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0003	<0.0003	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.001	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	--	<0.004	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-4S 5/10/1994	93-4S 9/20/1994	93-4S 12/20/1994	93-4S 4/25/1995	93-4S 9/20/1995	93-4S 11/23/1995	93-4S 5/9/1996	93-4S 5/9/1996 93-4S-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-4S 9/26/1996	93-4S 11/27/1996	93-4S 5/5/1997	93-4S 9/25/1997	93-4S 9/21/1998	93-4S 4/30/1999	93-4S 9/21/1999	93-4S 1/27/2000
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	<0.01
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	<0.005
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0006
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0004
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0004
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0007
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0007
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0003
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	<0.01
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	<0.01
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0004
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0009
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	<0.0002
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0002
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0003
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	<0.001
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	<0.004
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	<0.0003
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0002
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-4S 5/24/2000	93-4S 9/20/2000	93-4S 5/8/2001	93-4S 9/7/2001
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	<0.02	<0.02	--	--
Acrolein	mg/l	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.001	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0007	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.001	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.001	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0004	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0003	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-5D 4/13/1994	93-5D 9/20/1994	93-5D 12/6/1994	93-5D 4/26/1995	93-5D 9/19/1995	93-5D 11/23/1995	93-5D 5/9/1996	93-5D 5/9/1996 93-5D-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	<0.1	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	<0.001	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	<0.0005	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0005	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	<0.0005	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	<0.001	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	<0.001	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0005	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	<0.001	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0005	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	<0.0005	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.001	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	<0.0005	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	<0.001	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	<0.0005	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	0.001	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	<0.001	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-5D 9/24/1996	93-5D 11/27/1996	93-5D 5/5/1997	93-5D 9/25/1997	93-5D 5/6/1998	93-5D 9/21/1998	93-5D 9/21/1998 93-5D-FD (Field Duplicate)	93-5D 4/27/1999
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	--	<0.1	<0.1	--	--	<0.1
Acrylonitrile	mg/l	--	--	--	<0.001	<0.001	--	<0.1	<0.1	<0.1	<0.1	<0.1
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.001	<0.001	--	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Acetone	mg/l	--	--	--	<0.001	<0.001	--	<0.02	<0.02	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	0.0006	<0.0005	--	0.0006	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	<0.001	<0.001	--	<0.005	<0.005	<0.0013	<0.0013	<0.0013
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.001	<0.001	--	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001	--	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0015	0.0006	--	0.0014	<0.0005	0.0009	0.0009	<0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	0.0026	0.0011	--	0.0018	0.0005	0.001	0.001	0.0007
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	<0.001	<0.001	--	<0.002	<0.0005	0.0012	0.0012	0.0006

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-5D 9/21/1999	93-5D 5/26/2000	93-5D 5/26/2000 93-5D-FD (Field Duplicate)	93-5D 9/20/2000	93-5D 5/9/2001	93-5D 9/7/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	<0.02	<0.02	--	--
Acrolein	mg/l	--	--	--	<0.01	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	<0.0006	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	<0.001	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0004	<0.0004	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	<0.0007	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	<0.0007	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	<0.0003	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0004	<0.0004	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	<0.0004	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	<0.0009	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0013	0.0008	0.0007	0.0023	0.0008	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	0.0017	0.001	0.001	0.0023	0.0009	0.0012
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	**0.0072**	0.0009	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-5S 4/12/1994	93-5S 4/12/1994 93-5S-FD (Field Duplicate)	93-5S 9/20/1994	93-5S 12/7/1994	93-5S 4/26/1995	93-5S 9/19/1995	93-5S 9/19/1995 93-5S-FD (Field Duplicate)	93-5S 9/19/1995 93-5S-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-5S 11/22/1995	93-5S 5/9/1996	93-5S 5/9/1996 93-5S-FD (Field Duplicate)	93-5S 9/24/1996	93-5S 11/27/1996	93-5S 5/5/1997	93-5S 9/25/1997	93-5S 5/6/1998
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	<0.1	--	<0.1	<0.1	--	<0.1	<0.1
Acrylonitrile	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	--	<0.1	<0.1
Styrene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	--	<0.005	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Acetone	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	--	<0.02	<0.02
Benzene	mg/l	0.005	--	--	--	<0.0005	--	0.0007	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	--	<0.005	<0.005
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	--	<0.005	<0.005
Chloroform	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.001	--	<0.001	<0.001	--	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	--	0.0017	0.0005	--	0.0011	<0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	0.0005
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	0.0009	--	0.0031	0.001	--	0.0019	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	<0.001	--	**0.0116**	<0.001	--	**0.008**	0.001

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-5S 9/21/1998	93-5S 9/21/1998 93-5S-FD (Field Duplicate)	93-5S 4/27/1999	93-5S 9/21/1999	93-5S 5/25/2000	93-5S 5/25/2000 93-5S-FD (Field Duplicate)	93-5S 9/18/2000	93-5S 5/9/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	<0.02	<0.02	--
Acrolein	mg/l	--	--	--	--	--	<0.1	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	<0.0006	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	0.0005	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0007	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0007	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	<0.0003	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.005	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0015	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0004	<0.0004	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.0013	<0.003	<0.0005	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0009	<0.0009	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0007	0.0007	<0.0005	0.0014	<0.0004	0.0008	0.0057	0.0016
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	0.0007	0.0007	0.0006	0.0027	0.0013	0.0011	0.0046	0.0019
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.0069**	**0.0069**	0.0017	**0.0028**	<0.0005	<0.0005	<0.0005	**0.0092**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-5S 9/7/2001	93-5S 9/7/2001 93-5S-FD (Field Duplicate)
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0012	0.0013
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0029	0.003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-8D 4/13/1994	93-8D 4/13/1994 93-8D-FD (Field Duplicate)	93-8D 9/23/1994	93-8D 12/7/1994	93-8D 4/25/1995	93-8D 9/19/1995	93-8D 11/23/1995	93-8D 5/9/1996
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-8D 5/9/1996 93-8D-FD (Field Duplicate)	93-8D 9/24/1996	93-8D 11/27/1996	93-8D 5/5/1997	93-8D 9/24/1997	93-8D 12/2/1997	93-8D 5/6/1998	93-8D 9/17/1998
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	<0.0369	<0.1	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	<0.1	<0.1	<0.1
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Acetone	mg/l	--	--	--	--	--	--	--	--	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.0013
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
Chloroform	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	<0.00086	0.0008	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-8D 4/29/1999	93-8D 9/23/1999	93-8D 5/31/2000	93-8D 5/31/2000 93-8D-FD (Field Duplicate)	93-8D 9/21/2000	93-8D 5/8/2001	93-8D 9/7/2001
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	--	<0.02	--	--
Acrolein	mg/l	--	--	--	<0.01	<0.01	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	--	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0005	<0.0006	--	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	--	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.001	--	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0007	--	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0007	--	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	--	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	--	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.001	--	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.01	<0.02	--	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	<0.01	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.01	<0.02	<0.1	--	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0002	<0.0003	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0002	<0.0004	--	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.003	<0.003	<0.0005	--	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.001	<0.0009	--	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0002	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0002	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.002	<0.001	--	0.008	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.001	<0.0004	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.00014	<0.0002	--	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0002	<0.0003	--	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.004	--	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0003	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.001	<0.0004	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.00014	<0.0002	--	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0003	--	0.0007	0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.002	<0.0005	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	--	0.0009	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-8M 4/12/1994	93-8M 9/23/1994	93-8M 9/23/1994 93-8M-FD (Field Duplicate)	93-8M 12/7/1994	93-8M 12/7/1994 93-8M-FD (Field Duplicate)	93-8M 4/26/1995	93-8M 9/19/1995	93-8M 11/22/1995
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-8M 5/9/1996	93-8M 5/9/1996 93-8M-FD (Field Duplicate)	93-8M 9/24/1996	93-8M 11/27/1996	93-8M 5/5/1997	93-8M 9/24/1997	93-8M 12/2/1997	93-8M 5/6/1998
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	<0.0369	<0.1
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	<0.1	<0.1
Styrene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	<0.005	<0.005
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Acetone	mg/l	--	--	--	--	--	--	--	--	--	<0.02	<0.02
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	<0.005	<0.005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.005	<0.005
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.005	<0.005
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.005	<0.005
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	**0.0022**	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-8M 9/17/1998	93-8M 4/29/1999	93-8M 9/21/1999	93-8M 5/31/2000	93-8M 5/31/2000 93-8M-FD (Field Duplicate)	93-8M 9/21/2000	93-8M 5/8/2001	93-8M 9/7/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.02	--	<0.02	--	--
Acrolein	mg/l	--	--	--	--	<0.01	<0.01	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0006	--	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	--	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.001	<0.0005	<0.0006	--	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	--	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0007	--	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0007	--	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	<0.0003	--	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	<0.01	<0.02	--	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.01	<0.01	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.01	<0.02	<0.1	--	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0002	<0.0003	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	<0.0002	<0.0004	--	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	<0.003	<0.0005	--	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	<0.001	<0.0009	--	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	<0.0002	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	<0.002	<0.001	--	0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.001	<0.0004	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.00014	<0.0002	--	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0002	<0.0003	--	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	0.0016	<0.0005	<0.0005	--	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.004	--	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	0.0006	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0003	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	0.0007	0.0006	0.0006	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.001	<0.0004	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.00014	<0.0002	--	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0003	--	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	<0.002	<0.0005	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	**0.0035**	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-8S 4/12/1994	93-8S 9/23/1994	93-8S 12/7/1994	93-8S 4/26/1995	93-8S 9/19/1995	93-8S 11/22/1995	93-8S 5/9/1996	93-8S 5/9/1996 93-8S-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-8S 9/24/1996	93-8S 11/27/1996	93-8S 5/5/1997	93-8S 9/24/1997	93-8S 12/2/1997	93-8S 5/6/1998	93-8S 9/17/1998	93-8S 4/29/1999
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	<0.0369	<0.1	--	<0.01
Acrylonitrile	mg/l	--	--	--	--	--	--	--	<0.1	<0.1	<0.1	<0.005
Styrene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.01
Acetone	mg/l	--	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.01
Benzene	mg/l	0.005	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Bromoform	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Bromomethane	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	<0.0013	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.001
Chloroform	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Chloromethane	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	0.0005	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.002
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	0.00093	0.0006	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	93-8S 9/21/1999	93-8S 5/31/2000	93-8S 5/31/2000 93-8S-FD (Field Duplicate)	93-8S 9/20/2000	93-8S 5/8/2001	93-8S 5/8/2001 93-8S-FD (Field Duplicate)	93-8S 9/7/2001
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	--	<0.02	--	--	--
Acrolein	mg/l	--	--	--	<0.01	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	--	<0.0006	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--	<0.0004	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--	<0.0004	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	--	<0.001	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001	--	<0.001	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	--	<0.0007	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	--	<0.0007	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	--	<0.0003	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001	--	<0.001	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001	--	<0.001	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	--	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.1	--	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	--	<0.0004	--	--	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	--	<0.0005	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	--	<0.0009	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	--	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--	<0.0002	--	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	--	<0.0003	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.001	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	--	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--	<0.0002	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003	--	<0.0003	<0.0003	<0.0003	0.0004
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	94-1D 4/25/1995	94-1D 4/25/1995 94-1D-FD (Field Duplicate)	94-1D 9/13/1995	94-1D 12/11/1995	94-1D 5/31/2000	94-1D 5/23/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	--
Styrene	mg/l	--	--	--	--	--	--	--	<0.0005	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	<0.02
Acetone	mg/l	--	--	--	--	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	--	--	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	<0.0004	--
Bromomethane	mg/l	--	--	--	--	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	--	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	--	--	--	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	94-1S 4/24/1995	94-1S 12/11/1995	94-1S 5/31/2000	94-1S 5/23/2001
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	--
Styrene	mg/l	--	--	--	--	--	<0.0005	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	<0.02	<0.02
Acetone	mg/l	--	--	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	<0.0004	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	--	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	--	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-1D 7/28/1998	98-1D 7/29/1998	98-1D 9/16/1998	98-1D 4/26/1999	98-1D 9/16/1999
Semi-VOCs									
Acrolein	mg/l	--	--	--	<0.1	--	--	<0.1	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	--	<1	<0.1	<0.005
Styrene	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0005
VOCs									
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.005	<0.0005	0.0007
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	--	<0.05	<0.005	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.01
Acetone	mg/l	--	--	--	<0.02	--	<0.2	<0.02	<0.02
Benzene	mg/l	0.005	--	--	0.0009	--	<0.005	0.0008	0.0014
Bromodichloromethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0002
Bromomethane	mg/l	--	--	--	<0.005	--	<0.013	<0.0013	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--	<0.005	<0.0005	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.005	0.0005	0.0014
Chloroethane	mg/l	--	--	--	<0.005	--	<0.05	<0.005	<0.001
Chloroform	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	--	<0.05	<0.005	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0093	--	<0.005	0.0097	0.0036
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.01	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.005	<0.0005	<0.00014
Trichloroethene	mg/l	0.005	--	--	**0.0057**	--	<0.005	**0.0098**	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.005	--	<0.05	<0.005	<0.002
Vinyl Chloride	mg/l	0.002	--	--	**0.051**	--	**0.23**	**0.05**	**0.14**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-1M 7/28/1998	98-1M 7/29/1998	98-1M 9/16/1998	98-1M 4/26/1999	98-1M 9/16/1999
Semi-VOCs									
Acrolein	mg/l	--	--	--	<0.1	--	--	<1	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	--	<1	<1	<0.005
Styrene	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0005
VOCs									
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.005	<0.005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.005	<0.005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.005	<0.005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.005	<0.005	0.001
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	--	<0.05	<0.05	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	--	<0.005	<0.05	<0.01
Acetone	mg/l	--	--	--	<0.02	--	<0.2	<0.2	<0.02
Benzene	mg/l	0.005	--	--	0.0008	--	<0.005	<0.005	0.0018
Bromodichloromethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0002
Bromomethane	mg/l	--	--	--	<0.005	--	<0.013	<0.013	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--	<0.005	<0.005	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.005	<0.005	0.0019
Chloroethane	mg/l	--	--	--	<0.005	--	<0.05	<0.05	<0.001
Chloroform	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	--	<0.05	<0.05	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0042	--	<0.005	<0.005	0.0035
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.005	<0.005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.01	<0.01	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.005	<0.005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.005	<0.005	0.0007
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.005	<0.005	<0.00014
Trichloroethene	mg/l	0.005	--	--	0.0037	--	<0.005	<0.005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.005	--	<0.05	<0.05	<0.002
Vinyl Chloride	mg/l	0.002	--	--	**0.021**	--	**0.25**	**0.19**	**0.19**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-1S 7/28/1998	98-1S 7/29/1998	98-1S 9/16/1998	98-1S 4/26/1999	98-1S 9/16/1999
Semi-VOCs									
Acrolein	mg/l	--	--	--	<0.1	--	--	<0.1	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	--	<0.1	<0.1	<0.005
Styrene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
VOCs									
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.0005	0.0009	0.0006
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.01
Acetone	mg/l	--	--	--	<0.02	--	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	--	0.0006	0.0019	0.0014
Bromodichloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002
Bromomethane	mg/l	--	--	--	<0.005	--	<0.0013	<0.0013	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.0005	0.0019	0.0016
Chloroethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.001
Chloroform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0047	--	0.0021	0.0066	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014
Trichloroethene	mg/l	0.005	--	--	0.005	--	0.0022	0.0019	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002
Vinyl Chloride	mg/l	0.002	--	--	**0.015**	--	**0.064**	**0.12**	**0.13**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-2D 7/28/1998	98-2D 7/29/1998	98-2D 9/16/1998	98-2D 4/26/1999	98-2D 9/16/1999	98-2D 5/23/2000	98-2D 5/8/2001
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	--	--	<0.1	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	--	<0.5	<0.1	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.0005	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	--	<0.025	<0.005	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	--	<0.0025	<0.005	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	--	<0.1	<0.02	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	0.0005	--	<0.0025	0.0007	0.0012	<0.0005	0.0008
Bromodichloromethane	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.005	--	<0.0065	<0.0013	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--	<0.0025	<0.0005	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.0025	<0.0005	0.0008	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	--	<0.025	<0.005	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	--	<0.025	<0.005	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0025	--	0.0027	0.0043	0.0042	0.0031	0.0113
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.005	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.0025	<0.0005	<0.0005	0.0005	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0025	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0025	<0.0005	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	**0.014**	--	**0.0082**	**0.031**	0.0035	**0.0533**	**0.0224**
Trichlorofluoromethane	mg/l	--	--	--	<0.005	--	<0.025	<0.005	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	--	**0.057**	**0.027**	**0.11**	<0.0005	**0.0319**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-2M 7/28/1998	98-2M 7/29/1998	98-2M 9/16/1998	98-2M 4/26/1999	98-2M 9/16/1999
Semi-VOCs									
Acrolein	mg/l	--	--	--	<0.1	--	--	<1	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	--	<0.1	<1	<0.005
Styrene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0005
VOCs									
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	0.0006	<0.005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.0005	<0.05	--
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.0005	<0.005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.0005	<0.005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	--	<0.005	<0.05	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	--	<0.0005	<0.05	<0.01
Acetone	mg/l	--	--	--	<0.02	--	<0.02	<0.2	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0002
Bromomethane	mg/l	--	--	--	<0.005	--	<0.0013	<0.013	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.005	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.0005	<0.005	<0.0005
Chloroethane	mg/l	--	--	--	<0.005	--	<0.005	<0.05	<0.001
Chloroform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.05	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0093	--	0.0009	<0.005	0.0019
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0005	<0.005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.001	<0.01	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	0.0048	--	0.0005	<0.005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0005	<0.005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	--
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.00014
Trichloroethene	mg/l	0.005	--	--	**0.16**	--	**0.035**	**0.1**	**0.062**
Trichlorofluoromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.05	<0.002
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	--	<0.0005	<0.005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-2S 7/28/1998	98-2S 7/29/1998	98-2S 9/16/1998	98-2S 4/26/1999	98-2S 9/16/1999
Semi-VOCs									
Acrolein	mg/l	--	--	--	<0.1	--	--	<0.1	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	--	<0.1	<0.1	<0.005
Styrene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
VOCs									
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.01
Acetone	mg/l	--	--	--	<0.02	--	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002
Bromomethane	mg/l	--	--	--	<0.005	--	<0.0013	<0.0013	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.001
Chloroform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	0.0007	<0.0005	0.0071
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014
Trichloroethene	mg/l	0.005	--	--	**0.012**	--	**0.026**	**0.0071**	**0.16**
Trichlorofluoromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-3D 5/29/1998	98-3D 7/28/1998	98-3D 9/17/1998	98-3D 4/28/1999	98-3D 9/22/1999	98-3D 5/23/2000	98-3D 5/8/2001
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	--	<0.1	--	<0.1	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	--	<0.1	<0.1	<0.1	<0.005	--	--
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	0.0008	<0.0005	0.0006	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	<0.0005	<0.005	<0.01	--	--
Acetone	mg/l	--	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.1	--
Benzene	mg/l	0.005	--	--	--	<0.0005	0.0011	<0.0005	0.0009	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	--	<0.005	<0.0013	<0.0013	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	0.0015	0.0006	0.0012	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	--	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	0.0022	0.0006	0.0066	<0.0004	0.0007
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	--	0.0012	0.0027	0.0013	0.0035	0.0011	0.0015
Trichlorofluoromethane	mg/l	--	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	<0.0005	**0.0046**	0.0018	**0.017**	<0.0005	0.0013

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-3M 7/28/1998	98-3M 7/29/1998	98-3M 9/17/1998	98-3M 4/28/1999	98-3M 9/22/1999	98-3M 5/23/2000	98-3M 5/8/2001
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	--	--	<0.1	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	--	<0.1	<0.1	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.005	--	<0.0013	<0.0013	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	0.0008	<0.001	<0.0004	0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	0.0018	--	0.0039	0.0032	0.0027	0.0017	0.0022
Trichlorofluoromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	--	0.0006	**0.0038**	<0.0005	<0.0005	0.001

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-3S 7/28/1998	98-3S 7/29/1998	98-3S 9/17/1998	98-3S 4/28/1999	98-3S 9/22/1999	98-3S 5/23/2000	98-3S 5/8/2001
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	--	--	<0.1	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	--	<0.1	<0.1	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.1	--
Benzene	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.005	--	<0.0013	<0.0013	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-4D 6/30/1998	98-4D 7/30/1998	98-4D 9/16/1998	98-4D 4/28/1999	98-4D 9/23/1999
Semi-VOCs									
Acrolein	mg/l	--	--	--	--	<0.1	--	<0.1	<0.01
Acrylonitrile	mg/l	--	--	--	--	<0.1	<0.1	<0.1	<0.005
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs									
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.005	<0.005	<0.005	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	<0.0005	<0.005	<0.01
Acetone	mg/l	--	--	--	--	<0.02	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Bromoform	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Bromomethane	mg/l	--	--	--	--	<0.005	<0.0013	<0.0013	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	--	<0.005	<0.005	<0.005	<0.001
Chloroform	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Chloromethane	mg/l	--	--	--	--	<0.005	<0.005	<0.005	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	0.01	<0.001	<0.001
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014
Trichloroethene	mg/l	0.005	--	--	--	0.0008	0.0015	<0.0005	0.0006
Trichlorofluoromethane	mg/l	--	--	--	--	<0.005	<0.005	<0.005	<0.002
Vinyl Chloride	mg/l	0.002	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-4S 7/30/1998	98-4S 9/16/1998	98-4S 4/28/1999	98-4S 9/23/1999
Semi-VOCs								
Acrolein	mg/l	--	--	--	<0.1	--	<0.1	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs								
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.005	<0.01
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Bromomethane	mg/l	--	--	--	<0.005	<0.0013	<0.0013	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-5D 7/28/1998	98-5D 7/29/1998	98-5D 9/16/1998	98-5D 4/27/1999	98-5D 9/21/1999	98-5D 9/21/1999 98-5D-FD (Field Duplicate)	98-5D 9/21/1999	98-5D 5/23/2000
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	<0.02
Acrolein	mg/l	--	--	--	<0.1	--	--	<0.1	<0.01	<0.01	<0.01	--
Acrylonitrile	mg/l	--	--	--	<0.1	--	<0.1	<0.1	<0.005	<0.005	<0.005	--
Styrene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0006
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.0005	<0.001	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0003
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.01	<0.01	<0.01	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.01	<0.01	<0.01	--
Acetone	mg/l	--	--	--	<0.02	--	<0.02	<0.02	<0.01	<0.02	<0.01	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0004
Bromomethane	mg/l	--	--	--	<0.005	--	<0.0013	<0.0013	<0.003	<0.003	<0.003	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.0009
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002	<0.002	<0.002	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.003	--	0.003	0.0035	0.004	0.004	0.0038	0.0023
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014	<0.00014	<0.00014	<0.0002
Dibromochloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0003
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.001	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014	<0.00014	<0.00014	<0.0002
Trichloroethene	mg/l	0.005	--	--	**0.014**	--	**0.012**	**0.015**	**0.01**	**0.01**	**0.011**	**0.0073**
Trichlorofluoromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002	--	<0.002	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.008**	--	**0.012**	<0.0005	**0.0069**	**0.0069**	**0.0077**	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-5D 5/8/2001
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Acrolein	mg/l	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.1
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.001
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0038
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	**0.0093**
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.0061**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-5M 7/28/1998	98-5M 7/29/1998	98-5M 9/16/1998	98-5M 4/27/1999	98-5M 9/22/1999	98-5M 5/23/2000	98-5M 5/8/2001
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	--	--	<0.1	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	--	<0.1	<0.1	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.005	--	<0.0013	<0.0013	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	0.0023	--	0.0019	0.0017	0.0035	0.0008	0.0012
Trichlorofluoromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-5S 7/28/1998	98-5S 7/29/1998	98-5S 9/16/1998	98-5S 4/27/1999	98-5S 9/21/1999	98-5S 5/23/2000	98-5S 5/8/2001
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	--	--	<0.1	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	--	<0.1	<0.1	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	--	<0.0005	<0.005	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.005	--	<0.0013	<0.0013	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	--	0.0028	<0.0005	0.0019	0.0003	0.0004
Trichlorofluoromethane	mg/l	--	--	--	<0.005	--	<0.005	<0.005	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-6D 7/29/1998	98-6D 9/17/1998	98-6D 5/6/1999	98-6D 9/23/1999	98-6D 9/29/1999
Semi-VOCs									
Acrolein	mg/l	--	--	--	<0.1	--	<0.01	<0.01	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs									
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	--	**0.029**	**0.026**	0.0085	0.013	--
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	0.002	0.0007	--
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.01	<0.01	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02	--
Benzene	mg/l	0.005	--	--	0.0018	0.0023	0.0019	0.0018	--
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	--
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	--
Bromomethane	mg/l	--	--	--	<0.005	<0.0013	<0.003	<0.003	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001	--
Chlorobenzene	mg/l	0.08	0.03	--	0.0017	0.001	0.0051	0.0027	--
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001	--
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	--
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	--
cis-1,2-Dichloroethene	mg/l	--	--	--	1.5	0.8	0.36	0.93	--
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	--
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
Toluene	mg/l	--	0.024	--	0.11	0.04	0.0025	0.0014	--
trans-1,2-Dichloroethene	mg/l	--	--	--	0.013	0.0091	0.0037	0.0095	--
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	--
Trichloroethene	mg/l	0.005	--	--	**0.057**	**0.056**	**0.064**	**0.15**	--
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	--
Vinyl Chloride	mg/l	0.002	--	--	**0.9**	**0.68**	**0.15**	**0.3**	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-6M 7/29/1998	98-6M 9/17/1998	98-6M 5/4/1999	98-6M 9/23/1999	98-6M 9/23/1999 98-6M-FD (Field Duplicate)
Semi-VOCs									
Acrolein	mg/l	--	--	--	<0.1	--	<0.01	<0.01	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs									
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	--	0.0046	0.0045	0.003	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	0.0007	0.0007	0.0007	--
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	0.0005	0.0006	0.0006	--
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.01	<0.01	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02	--
Benzene	mg/l	0.005	--	--	0.0025	0.0043	**0.0058**	0.0045	--
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	--
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	--
Bromomethane	mg/l	--	--	--	<0.005	<0.0013	<0.003	<0.003	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001	--
Chlorobenzene	mg/l	0.08	0.03	--	0.001	0.0024	0.0026	0.0025	--
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001	--
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	--
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	--
cis-1,2-Dichloroethene	mg/l	--	--	--	1.1	0.31	0.41	0.16	--
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	0.0007	0.0007	<0.0005	--
m,p-Xylenes	mg/l	--	--	--	0.0008	0.0017	0.0012	0.0011	--
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	--
o-Xylene	mg/l	--	--	--	<0.0005	0.001	0.0017	0.0014	--
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--
Toluene	mg/l	--	0.024	--	0.039	0.0026	0.0025	0.0024	--
trans-1,2-Dichloroethene	mg/l	--	--	--	0.0067	0.011	0.02	<0.001	--
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	--
Trichloroethene	mg/l	0.005	--	--	**0.028**	**0.0053**	<0.0005	<0.0005	--
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	--
Vinyl Chloride	mg/l	0.002	--	--	**0.65**	**0.34**	**0.41**	**0.42**	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-7D 7/30/1998	98-7D 9/16/1998	98-7D 4/26/1999	98-7D 9/16/1999
Semi-VOCs								
Acrolein	mg/l	--	--	--	<0.5	--	<0.1	<0.01
Acrylonitrile	mg/l	--	--	--	<0.5	<1	<0.1	<0.005
Styrene	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0005
VOCs								
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0025	<0.005	0.0006	0.0045
1,2-Dibromoethane	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0025	<0.005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0025	<0.005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0025	<0.005	0.001	0.0008
Metyl Ethyl Ketone	mg/l	--	--	--	<0.025	<0.05	<0.005	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0025	<0.005	<0.005	<0.01
Acetone	mg/l	--	--	--	<0.1	<0.2	<0.02	<0.02
Benzene	mg/l	0.005	--	--	<0.0025	<0.005	0.0023	0.0018
Bromodichloromethane	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0002
Bromoform	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0002
Bromomethane	mg/l	--	--	--	<0.025	<0.013	<0.0013	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0025	<0.005	<0.0005	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0025	<0.005	0.0027	0.0021
Chloroethane	mg/l	--	--	--	<0.025	<0.05	<0.005	<0.001
Chloroform	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0002
Chloromethane	mg/l	--	--	--	<0.025	<0.05	<0.005	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	0.018	0.048	0.048	0.28
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0025	<0.005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	0.014	<0.01	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0025	<0.005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0025	<0.005	<0.0005	0.0007
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0025	<0.005	<0.0005	0.0028
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0025	<0.005	<0.0005	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0025	<0.005	0.001	**0.018**
Trichlorofluoromethane	mg/l	--	--	--	<0.025	<0.05	<0.005	<0.002
Vinyl Chloride	mg/l	0.002	--	--	**0.25**	**0.41**	**0.22**	**0.36**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-7M 7/30/1998	98-7M 9/16/1998	98-7M 4/26/1999	98-7M 9/16/1999
Semi-VOCs								
Acrolein	mg/l	--	--	--	<0.5	--	<10	<0.01
Acrylonitrile	mg/l	--	--	--	<0.5	<0.5	<10	<0.005
Styrene	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0005
VOCs								
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	**0.067**	**0.05**	<0.05	**0.037**
1,2-Dibromoethane	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0025	<0.0025	<0.05	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0025	<0.0025	<0.05	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0025	<0.0025	<0.05	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.025	<0.025	<0.5	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0025	<0.0025	<0.5	<0.01
Acetone	mg/l	--	--	--	<0.1	<0.1	<2	<0.02
Benzene	mg/l	0.005	--	--	<0.0025	<0.0025	<0.05	0.0013
Bromodichloromethane	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0002
Bromoform	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0002
Bromomethane	mg/l	--	--	--	<0.025	<0.0065	<0.13	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0025	<0.0025	<0.05	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0025	<0.0025	<0.05	0.0006
Chloroethane	mg/l	--	--	--	<0.025	<0.025	<0.5	<0.001
Chloroform	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0002
Chloromethane	mg/l	--	--	--	<0.025	<0.025	<0.5	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	2.7	6.1	4.3	8.5
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0025	<0.0025	<0.05	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0005
Methylene Chloride	mg/l	0.05	--	--	0.015	<0.005	<0.1	<0.001
o-Xylene	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0025	<0.0025	<0.05	<0.0005
Toluene	mg/l	--	0.024	--	0.015	0.012	<0.05	0.016
trans-1,2-Dichloroethene	mg/l	--	--	--	0.0061	0.015	<0.05	0.035
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0025	<0.0025	<0.05	<0.00014
Trichloroethene	mg/l	0.005	--	--	**2**	**2.1**	**0.86**	**1.2**
Trichlorofluoromethane	mg/l	--	--	--	<0.025	<0.025	<0.5	<0.002
Vinyl Chloride	mg/l	0.002	--	--	**0.44**	**1.6**	**0.37**	**0.89**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-7S (7) 7/30/1998	98-7S 9/16/1998	98-7S 4/26/1999	98-7S 9/20/1999	98-7S 9/27/1999
Semi-VOCs									
Acrolein	mg/l	--	--	--	--	--	<10	--	<0.01
Acrylonitrile	mg/l	--	--	--	--	<0.5	<10	--	<0.005
Styrene	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0005
VOCs									
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	**0.028**	<0.05	--	**0.04**
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0025	<0.05	--	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0025	<0.05	--	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0025	<0.05	--	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.025	<0.5	--	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0025	<0.5	--	<0.01
Acetone	mg/l	--	--	--	--	<0.1	<2	--	<0.02
Benzene	mg/l	0.005	--	--	--	<0.0025	<0.05	--	0.0011
Bromodichloromethane	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0002
Bromoform	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0002
Bromomethane	mg/l	--	--	--	--	<0.0065	<0.13	--	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0025	<0.05	--	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0025	<0.05	--	<0.0005
Chloroethane	mg/l	--	--	--	--	<0.025	<0.5	--	<0.001
Chloroform	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0002
Chloromethane	mg/l	--	--	--	--	<0.025	<0.5	--	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	--	3.8	4.9	--	7.5
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.00014
Dibromochloromethane	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0025	<0.05	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0005
Methylene Chloride	mg/l	0.05	--	--	--	<0.005	<0.1	--	<0.001
o-Xylene	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0025	<0.05	--	<0.0005
Toluene	mg/l	--	0.024	--	--	0.0041	<0.05	--	0.015
trans-1,2-Dichloroethene	mg/l	--	--	--	--	0.008	<0.05	--	0.053
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0025	<0.05	--	<0.00014
Trichloroethene	mg/l	0.005	--	--	--	**1.1**	**0.43**	--	**0.78**
Trichlorofluoromethane	mg/l	--	--	--	--	<0.025	<0.5	--	<0.002
Vinyl Chloride	mg/l	0.002	--	--	--	**0.65**	**0.39**	--	**0.96**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-8D 7/30/1998	98-8D 9/16/1998	98-8D 4/26/1999	98-8D 9/20/1999	98-8D 9/27/1999	98-8D 5/26/2000	98-8D 10/15/2000	98-8D 5/8/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	--	<0.1	--	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	--	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0005	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.01	--	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.005	--	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	--	<0.02	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	0.0028	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.005	<0.0013	<0.0013	--	<0.003	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.001	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.001	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.002	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.001	--	0.0037	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.00014	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	--	<0.001	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.001	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.00014	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.002	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	0.0012	<0.0005	--	<0.0005	--	<0.0005	0.0011

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-8M 7/30/1998	98-8M 9/16/1998	98-8M 4/26/1999	98-8M 9/20/1999	98-8M 9/27/1999	98-8M 5/26/2000	98-8M 10/15/2000	98-8M 5/8/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	--	<0.1	--	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	--	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0005	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.01	--	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.005	--	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	--	<0.02	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.005	<0.0013	<0.0013	--	<0.003	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.001	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.001	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.002	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.001	--	<0.0004	0.0007
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.00014	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	--	<0.001	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	0.0006	<0.0005	<0.0005	--	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.001	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.00014	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.002	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0005	0.0018

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-8S 7/30/1998	98-8S 9/16/1998	98-8S 4/26/1999	98-8S 9/20/1999	98-8S 9/27/1999	98-8S 5/26/2000	98-8S 5/8/2001
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	--	<0.1	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	--	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.005	--	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	--	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.005	<0.0013	<0.0013	--	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	--	<0.002	<0.0005	0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	**0.0074**	0.0016	--	<0.0005	<0.0005	0.0007

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-9D 7/30/1998	98-9D 9/16/1998	98-9D 4/27/1999	98-9D 9/21/1999	98-9D 9/27/1999	98-9D 5/26/2000	98-9D 9/18/2000	98-9D 5/8/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.02	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	--	<0.1	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	--	<0.0004	0.0018	0.0007
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.001	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0007	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0007	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	--	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.005	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	--	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	0.0005	<0.0005	<0.0005	0.001	--	<0.0005	0.0021	0.0011
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0004	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.005	<0.0013	<0.0013	<0.003	--	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.0009	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.001	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	--	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0021	0.0027	0.0029	0.004	--	0.0027	0.0073	0.004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	--	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0003	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	--	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	0.0017	0.0024	0.0024	0.003	--	0.0031	**0.0061**	0.0038
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.013**	**0.029**	**0.013**	**0.019**	--	<0.0005	<0.0005	**0.0225**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-9D 9/7/2001
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Acrolein	mg/l	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.1
Benzene	mg/l	0.005	--	--	0.0009
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.001
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0039
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0037
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-9M 7/30/1998	98-9M 9/16/1998	98-9M 4/27/1999	98-9M 9/21/1999	98-9M 9/27/1999	98-9M 5/26/2000	98-9M 9/20/2000	98-9M 5/8/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.02	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	--	<0.1	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.001	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0007	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0007	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	--	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.005	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	--	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0004	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.005	<0.0013	<0.0013	<0.003	--	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.0009	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.001	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	--	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0007	0.0009	0.0008	<0.001	--	0.0009	0.002	0.0007
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	--	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0003	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	--	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	0.0005	<0.0005	<0.0005	--	0.0004	0.0009	0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.008**	**0.015**	**0.006**	**0.0061**	--	<0.0005	<0.0005	0.0013

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-9M 9/7/2001
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Acrolein	mg/l	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.1
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.001
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0011
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-9S 7/30/1998	98-9S 9/16/1998	98-9S 4/27/1999	98-9S 9/21/1999	98-9S 9/27/1999	98-9S 5/26/2000	98-9S 9/18/2000	98-9S 9/18/2000 98-9S-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.02	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	--	<0.1	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0006	<0.0006	<0.0006
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	0.0005	0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.001	<0.001
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0007	<0.0007	<0.0007
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0007	<0.0007	<0.0007
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	<0.0003	<0.0003
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.001	<0.001
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0004	<0.001	<0.001
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	--	<0.02	<0.02	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.005	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	--	<0.1	<0.1	--
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0004	<0.0004	<0.0004
Bromomethane	mg/l	--	--	--	<0.005	<0.0013	<0.0013	<0.003	--	<0.0005	<0.0005	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.0009	<0.0009	<0.0009
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.001	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	--	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	--	<0.0002	<0.0002	<0.0002
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	--	<0.0003	<0.0003	<0.0003
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	--	<0.0002	<0.0002	<0.0002
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	--	<0.0005	<0.0005	0.0008
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	98-9S 5/8/2001	98-9S 9/7/2001	98-9S 9/7/2001 98-9S-FD (Field Duplicate)
Semi-VOCs							
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--
VOCs							
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-10D 9/27/1999	99-10D 6/1/2000	99-10D 5/15/2001
Semi-VOCs							
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--
VOCs							
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-10M 9/27/1999	99-10M 6/1/2000	99-10M 5/15/2001
Semi-VOCs							
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--
VOCs							
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-10S 9/27/1999	99-10S 6/1/2000	99-10S 6/1/2000 99-10S-FD (Field Duplicate)	99-10S 5/15/2001
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.01	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-11D 9/27/1999	99-11D 9/28/1999	99-11D 6/1/2000	99-11D 5/9/2001
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.001	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	--	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-11M 9/28/1999	99-11M 6/1/2000	99-11M 10/14/2000	99-11M 5/9/2001
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	--	<0.0005	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	--	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	--	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	--	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	--	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.01	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	--	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-11S 9/28/1999	99-11S 6/1/2000	99-11S 5/9/2001
Semi-VOCs							
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--
VOCs							
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-1D 2/16/1999	99-1D 2/16/1999 99-1D-FD (Field Duplicate)	99-1D 4/26/1999	99-1D 9/23/1999	99-1D 5/29/2000	99-1D 9/20/2000	99-1D 5/14/2001	99-1D 9/11/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	<0.02	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0004	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.0013	<0.003	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0009	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	0.0005	0.0006	0.0015	0.0004	0.0018
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-1M 2/16/1999	99-1M 2/16/1999 99-1M-FD (Field Duplicate)	99-1M 4/26/1999	99-1M 9/23/1999	99-1M 5/29/2000	99-1M 9/18/2000	99-1M 5/14/2001	99-1M 9/11/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	<0.02	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0004	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.0013	<0.003	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0009	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	0.0007	0.0007	<0.0005	0.0008	0.0004	0.002	<0.0003	0.0022
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-1S 2/16/1999	99-1S 2/16/1999 99-1S-FD (Field Duplicate)	99-1S 4/26/1999	99-1S 9/23/1999	99-1S 5/29/2000	99-1S 9/18/2000	99-1S 5/14/2001	99-1S 9/11/2001
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	<0.02	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0004	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.0013	<0.003	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0009	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	0.002	<0.0003	0.0015	<0.0003	0.0019
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-2D 2/16/1999	99-2D 2/16/1999 99-2D-FD (Field Duplicate)	99-2D 4/26/1999	99-2D 9/27/1999	99-2D 5/31/2000	99-2D 5/15/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.0013	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	0.0037	0.0037	<0.0005	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	0.0007	0.0007	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.0029**	**0.0029**	<0.0005	<0.0005	<0.0005	**0.0031**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-2S 2/16/1999	99-2S 2/16/1999 99-2S-FD (Field Duplicate)	99-2S 4/26/1999	99-2S 9/28/1999	99-2S 5/31/2000	99-2S 5/15/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.0013	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	0.0026	0.0026	<0.0005	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0016	0.0016	0.0044	0.0018	0.0027	0.0017
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	0.0012	0.0012	0.0006	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	0.0007	0.0007	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	0.0018	0.0018	0.0009	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	0.0011	0.0011	0.0007	<0.0005	0.0006	0.0004
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.057**	**0.057**	**0.1**	**0.11**	<0.0005	**0.119**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-3D 6/16/1999	99-3D 9/16/1999	99-3D 9/20/2000	99-3D 5/8/2001	99-3D 9/11/2001
Semi-VOCs									
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	--
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	0.02	0.0289	0.0161	0.0179
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	0.0007	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.0068**	**0.009**	**0.0037**	**0.0042**	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-3M 6/16/1999	99-3M 9/16/1999	99-3M 5/26/2000	99-3M 9/18/2000	99-3M 5/8/2001	99-3M 9/11/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	<0.02	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0004	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0007	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0007	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0004	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	<0.0004	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	<0.0009	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-3S 5/31/2000
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	<0.02
Styrene	mg/l	--	--	--	<0.0005
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.001
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007
1,2-Dichloropropane	mg/l	--	--	--	<0.0007
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003
1,3-Dichlorobenzene	mg/l	--	--	--	<0.001
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.001
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02
Acetone	mg/l	--	--	--	<0.1
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	<0.0004
Bromomethane	mg/l	--	--	--	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.001
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002
Dibromochloromethane	mg/l	--	--	--	<0.0003
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.004
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002
Trichloroethene	mg/l	0.005	--	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-4D 6/16/1999	99-4D 9/20/1999	99-4D 5/31/2000	99-4D 9/20/2000	99-4D 5/8/2001	99-4D 9/11/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	<0.02	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.001	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0007	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0007	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.001	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	<0.0004	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	<0.0009	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	<0.001	0.003	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	0.0008	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-4M 6/16/1999	99-4M 9/20/1999	99-4M 5/26/2000	99-4M 9/18/2000	99-4M 5/8/2001	99-4M 9/11/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	<0.02	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.01	--	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0004	<0.001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0007	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0007	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0004	<0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.01	--	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	<0.0004	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	<0.0009	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-4S 5/26/2000	99-4S 9/18/2000
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	<0.02	<0.02
Styrene	mg/l	--	--	--	<0.0005	<0.0005
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001	<0.001
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.001
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007	<0.0007
1,2-Dichloropropane	mg/l	--	--	--	<0.0007	<0.0007
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003	<0.0003
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0004	<0.001
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.001
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02
Acetone	mg/l	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0004	<0.0004
Bromomethane	mg/l	--	--	--	<0.0005	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009	<0.0009
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	<0.0002
Dibromochloromethane	mg/l	--	--	--	<0.0003	<0.0003
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	<0.0002
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-5D 6/16/1999	99-5D 9/20/1999	99-5D 9/21/1999	99-5D 5/26/2000	99-5D 5/9/2001
Semi-VOCs									
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	--
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	--	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	0.0009	0.0028	--	<0.0005	0.0007
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	0.0017	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	0.071	--	0.0287	0.0074
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	--	<0.0004	0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.17**	**0.39**	--	<0.0005	**0.108**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-5M 6/16/1999	99-5M 9/20/1999	99-5M 5/26/2000	99-5M 10/15/2000	99-5M 5/9/2001
Semi-VOCs									
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	--
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	--	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	--	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	--	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	0.0014	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	0.0008	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	0.072	--	0.0009	0.0226
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	0.0022	<0.001	--	<0.0004	0.0011
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	0.0006	<0.0005	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.32**	**0.31**	--	<0.0005	**0.174**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-5S 6/16/1999	99-5S 9/20/1999	99-5S 5/26/2000	99-5S 5/8/2001
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	0.0069	0.0009	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.072**	**0.0063**	<0.0005	**0.0037**

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-6D 5/29/2000	99-6D 5/14/2001
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	<0.02	--
Styrene	mg/l	--	--	--	<0.0005	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02
Acetone	mg/l	--	--	--	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-6M 6/16/1999	99-6M 9/28/1999	99-6M 5/29/2000	99-6M 5/14/2001
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0005	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	0.0018	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	0.0006	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-6S 6/16/1999	99-6S 9/28/1999	99-6S 5/29/2000	99-6S 5/14/2001	99-6S 5/14/2001 99-6S-FD (Field Duplicate)
Semi-VOCs									
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--	--
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0007	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0007	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.01	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0002	<0.0004	--	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.003	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.001	<0.0009	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.002	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0002	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	0.0015	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.001	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.00014	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.002	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-7D 9/28/1999	99-7D 6/1/2000	99-7D 5/15/2001
Semi-VOCs							
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--
VOCs							
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-7M 9/28/1999	99-7M 6/1/2000	99-7M 5/14/2001
Semi-VOCs							
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--
VOCs							
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-7S 9/27/1999	99-7S 6/1/2000	99-7S 5/14/2001
Semi-VOCs							
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--
VOCs							
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-8D 9/27/1999	99-8D 6/1/2000
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02
Acrolein	mg/l	--	--	--	<0.01	--
Acrylonitrile	mg/l	--	--	--	<0.005	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--
Acetone	mg/l	--	--	--	<0.01	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004
Bromomethane	mg/l	--	--	--	<0.003	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-8M 9/27/1999	99-8M 6/1/2000	99-8M 5/15/2001
Semi-VOCs							
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--
VOCs							
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-8S 9/27/1999	99-8S 9/28/1999	99-8S 6/1/2000	99-8S 5/15/2001
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	--	<0.0005	<0.0005	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.001	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	--	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	--	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-9D 9/27/1999	99-9D 6/1/2000	99-9D 5/15/2001
Semi-VOCs							
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--
VOCs							
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-9M 9/27/1999	99-9M 6/1/2000	99-9M 6/1/2000 99-9M-FD (Field Duplicate)	99-9M 5/15/2001
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.01	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	99-9S 9/27/1999	99-9S 6/1/2000	99-9S 5/15/2001
Semi-VOCs							
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	--
VOCs							
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	--	--
Acetone	mg/l	--	--	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	B-2D 5/18/1993	B-2D 8/31/1993	B-2D 11/24/1993	B-2D 5/11/1994	B-2D 9/16/1994	B-2D 4/20/1995	B-2D 9/13/1995	B-2D 5/7/1996
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	B-2D 9/25/1996	B-2D 11/28/1996	B-2D 5/7/1997	B-2D 9/30/1997	B-2D 5/11/1998	B-2D 9/21/1998	B-2D 4/30/1999	B-2D 9/27/1999
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	<0.1	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	<0.001	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.001	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	<0.001	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	0.0008	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.001	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	<0.001	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	<0.001	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	<0.0005	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	<0.0005	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	<0.0005	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	0.001	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	B-2M 5/18/1993	B-2M 8/30/1993	B-2M 11/24/1993	B-2M 5/11/1994	B-2M 9/16/1994	B-2M 4/20/1995	B-2M 9/13/1995	B-2M 5/7/1996
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	B-2M 9/25/1996	B-2M 11/28/1996	B-2M 5/7/1997	B-2M 9/30/1997	B-2M 5/12/1998	B-2M 9/21/1998	B-2M 5/3/1999	B-2M 9/27/1999
Semi-VOCs												
Acrolein	mg/l	--	--	--	--	<0.1	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	<0.001	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
VOCs												
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	--	--	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0005	--	--	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0005	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0005	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	<0.001	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	<0.001	--	--	--	--	--	--
Benzene	mg/l	0.005	--	--	--	0.0016	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Bromoform	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.001	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0005	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	--	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	<0.001	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	0.0017	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	0.002	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	<0.001	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	0.0008	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	<0.0005	--	--	--	--	--	--
Toluene	mg/l	--	0.024	--	--	<0.0005	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	<0.0005	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	0.0016	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	B-2M 9/27/1999 B-2M-FD (Field Duplicate)
Semi-VOCs					
Acrolein	mg/l	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	--
Benzene	mg/l	0.005	--	--	--
Bromodichloromethane	mg/l	--	--	--	--
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--
Chloroethane	mg/l	--	--	--	--
Chloroform	mg/l	--	--	--	--
Chloromethane	mg/l	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--
m,p-Xylenes	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--
o-Xylene	mg/l	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--
Toluene	mg/l	--	0.024	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	LEACHATE 12/9/1993	LEACHATE 9/6/1994	LEACHATE 6/29/1995	LEACHATE 4/10/1996	LEACHATE 5/15/1996	LEACHATE 9/25/1996	LEACHATE 9/26/1996	LEACHATE 10/3/1996
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--	<0.1	<0.1	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--	<0.001	<0.001	--	--
Styrene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	<0.0005	<0.0005	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	<0.0005	<0.0005	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	<0.0005	<0.0005	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	<0.0005	0.0006	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	<0.001	<0.001	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Acetone	mg/l	--	--	--	--	--	--	--	<0.001	<0.001	--	--
Benzene	mg/l	0.005	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Bromoform	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	<0.001	<0.001	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	<0.0005	<0.0005	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--	<0.001	<0.001	--	--
Chloroform	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--	<0.001	<0.001	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Ethylbenzene	mg/l	--	0.0024	--	--	--	--	--	<0.0005	<0.0005	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	<0.001	<0.001	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Toluene	mg/l	--	0.024	--	--	--	--	--	<0.0005	<0.0005	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	0.0012	<0.0005	--	--
Vinyl Chloride	mg/l	0.002	--	--	--	--	--	--	<0.001	<0.001	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	LEACHATE 5/8/1997	LEACHATE 9/22/1997	LEACHATE 5/13/1998	LEACHATE 9/21/1998	LEACHATE 5/4/1999	LEACHATE 9/29/1999	LEACHATE 9/29/1999 LEACHATE-FD (Field Duplicate)	LEACHATE 5/31/2000
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.1	--	<0.01	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.005	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	0.0006	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	0.0125	<0.005	<0.005	<0.005	<0.01	<0.01	--	--
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.01	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	--	--
Benzene	mg/l	0.005	--	--	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	--	--
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	--	--
Bromomethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.0013	<0.003	<0.003	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	--	--
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	--	--
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.002	<0.002	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.00014	<0.00014	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	--	--
Ethylbenzene	mg/l	--	0.0024	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
m,p-Xylenes	mg/l	--	--	--	0.0059	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--
o-Xylene	mg/l	--	--	--	0.0033	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	--	--
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
Toluene	mg/l	--	0.024	--	0.016	<0.0005	<0.0005	<0.0005	<0.0005	0.03	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.00014	<0.00014	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.002	<0.002	--	--
Vinyl Chloride	mg/l	0.002	--	--	<0.002	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	--	--

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	LEACHATE 9/29/2000	LEACHATE 5/22/2001	LEACHATE 5/22/2001 LEACHATE-FD (Field Duplicate)	LEACHATE 9/11/2001
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	<0.02	--	--	--
Acrolein	mg/l	--	--	--	--	--	--	--
Acrylonitrile	mg/l	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	<0.0005	--	--	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0004	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006	<0.0006	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0004	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.001	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.001	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0007	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0007	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	<0.0003	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.001	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.001	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	0.0023
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0004	--	--	--
Bromomethane	mg/l	--	--	--	<0.0005	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0009	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	0.0003	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--	--	--
Dibromochloromethane	mg/l	--	--	--	<0.0003	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.001	<0.001	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0002	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-1D 2/16/1999	MW-1D 2/16/1999 MW-1D-FD (Field Duplicate)	MW-1D 5/11/1999	MW-1D 9/21/1999
Semi-VOCs								
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.01	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs								
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0007	0.0007	<0.001	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	0.0023
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-1M 2/16/1999	MW-1M 2/16/1999 MW-1M-FD (Field Duplicate)	MW-1M 5/11/1999	MW-1M 9/21/1999
Semi-VOCs								
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.01	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs								
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	0.0008	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	0.0037
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-1S 2/16/1999	MW-1S 2/16/1999 MW-1S-FD (Field Duplicate)	MW-1S 5/11/1999	MW-1S 9/21/1999
Semi-VOCs								
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.01	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs								
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	0.0088
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-2D 2/16/1999	MW-2D 2/16/1999 MW-2D-FD (Field Duplicate)	MW-2D 5/11/1999	MW-2D 9/22/1999	MW-2D 5/30/2000	MW-2D 5/15/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.01	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0017	0.0017	0.0014	0.0013	<0.0004	0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	**0.006**	**0.006**	0.0043	0.0039	<0.0003	0.0019
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-2M 2/16/1999	MW-2M 2/16/1999 MW-2M-FD (Field Duplicate)	MW-2M 5/11/1999	MW-2M 9/22/1999	MW-2M 5/30/2000	MW-2M 5/15/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.01	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.001	0.001	<0.001	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	0.0016	0.0016	0.0014	0.0013	**0.0093**	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-2S 2/16/1999	MW-2S 2/16/1999 MW-2S-FD (Field Duplicate)	MW-2S 5/11/1999	MW-2S 9/22/1999
Semi-VOCs								
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.01	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs								
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-3D 2/17/1999	MW-3D 2/17/1999 MW-3D-FD (Field Duplicate)	MW-3D 5/11/1999	MW-3D 9/22/1999	MW-3D 5/30/2000	MW-3D 5/15/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.01	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	0.002	<0.001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	**0.0064**	<0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-3M 2/17/1999	MW-3M 2/17/1999 MW-3M-FD (Field Duplicate)	MW-3M 5/11/1999	MW-3M 9/22/1999	MW-3M 5/30/2000	MW-3M 5/15/2001
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.02	--
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.01	<0.01	--	--
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005	--	--
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0006	--
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	--
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01	<0.02	<0.02
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01	--	--
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02	<0.1	<0.1
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0004	--
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001	<0.0009	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	0.0012	<0.0005
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0027	0.0027	<0.001	0.0028	<0.0004	0.0016
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0003	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001	<0.004	<0.004
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014	<0.0002	--
Trichloroethene	mg/l	0.005	--	--	**0.0083**	**0.0083**	0.0007	**0.0077**	<0.0003	0.0045
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-4D 2/17/1999	MW-4D 2/17/1999 MW-4D-FD (Field Duplicate)	MW-4D 5/11/1999	MW-4D 9/21/1999
Semi-VOCs								
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.01	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs								
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	0.0006	0.0006	0.001	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Trichloroethene	mg/l	0.005	--	--	0.0016	0.0016	<0.0005	0.0007
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-4M 2/17/1999	MW-4M 2/17/1999 MW-4M-FD (Field Duplicate)	MW-4M 5/11/1999	MW-4M 9/21/1999
Semi-VOCs								
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.01	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs								
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	0.0013	0.0013	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Trichloroethene	mg/l	0.005	--	--	0.0008	0.0008	0.0012	0.0012
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-3S 2/17/1999	MW-3S 2/17/1999 MW-3S-FD (Field Duplicate)	MW-3S 5/11/1999	MW-3S 9/22/1999
Semi-VOCs								
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.01	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs								
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-4S 2/17/1999	MW-4S 2/17/1999 MW-4S-FD (Field Duplicate)	MW-4S 5/11/1999	MW-4S 9/21/1999
Semi-VOCs								
Acrolein	mg/l	--	--	--	<0.1	<0.1	<0.01	<0.01
Acrylonitrile	mg/l	--	--	--	<0.1	<0.1	<0.005	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
VOCs								
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.005	<0.005	<0.01	<0.01
Acetone	mg/l	--	--	--	<0.02	<0.02	<0.01	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromoform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	<0.0013	<0.0013	<0.003	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.0005	<0.0005	<0.001	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.005	<0.005	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Chloromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0005	<0.0005	<0.001	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.0005	<0.0005	<0.00014	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.005	<0.005	<0.002	<0.002
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-5D 9/22/1999	MW-5D 9/22/1999 MW-5D-FD (Field Duplicate)
Semi-VOCs						
Acrolein	mg/l	--	--	--	<0.01	<0.01
Acrylonitrile	mg/l	--	--	--	<0.005	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005
VOCs						
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	<0.01
Acetone	mg/l	--	--	--	<0.01	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0002
Bromoform	mg/l	--	--	--	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	<0.003	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0002
Chloromethane	mg/l	--	--	--	<0.002	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0005	0.0007
Trichlorofluoromethane	mg/l	--	--	--	<0.002	--
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-5M 9/22/1999	MW-5M 9/22/1999 MW-5M-FD (Field Duplicate)
Semi-VOCs						
Acrolein	mg/l	--	--	--	<0.01	<0.01
Acrylonitrile	mg/l	--	--	--	<0.005	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005
VOCs						
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	<0.01
Acetone	mg/l	--	--	--	<0.01	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0002
Bromoform	mg/l	--	--	--	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	<0.003	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0002
Chloromethane	mg/l	--	--	--	<0.002	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.002	--
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Parameter	Unit	(2) (1) ODWQS (169/03)-Health	(4) (3) ODWQS-AO	(6) (5) ODWQS-OG	MW-5S 9/22/1999	MW-5S 9/22/1999 MW-5S-FD (Field Duplicate)
Semi-VOCs						
Acrolein	mg/l	--	--	--	<0.01	<0.01
Acrylonitrile	mg/l	--	--	--	<0.005	<0.005
Styrene	mg/l	--	--	--	<0.0005	<0.0005
VOCs						
1,1,1-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.001	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0005	<0.0005
1,2-Dichloroethane	mg/l	0.005	--	--	<0.0005	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	<0.0005	<0.0005
1,3-Dichlorobenzene	mg/l	--	--	--	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0005	<0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.01
2-Chloroethyl Vinyl Ether	mg/l	--	--	--	<0.01	<0.01
Acetone	mg/l	--	--	--	<0.01	<0.02
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0002	<0.0002
Bromoform	mg/l	--	--	--	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	<0.003	<0.003
Carbon Tetrachloride	mg/l	0.005	--	--	<0.001	<0.001
Chlorobenzene	mg/l	0.08	0.03	--	<0.0005	<0.0005
Chloroethane	mg/l	--	--	--	<0.001	<0.001
Chloroform	mg/l	--	--	--	<0.0002	<0.0002
Chloromethane	mg/l	--	--	--	<0.002	<0.002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.001
cis-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.00014
Dibromochloromethane	mg/l	--	--	--	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	--	<0.001	<0.001
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0005	<0.0005
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.001	<0.001
trans-1,3-Dichloropropene	mg/l	--	--	--	<0.00014	<0.00014
Trichloroethene	mg/l	0.005	--	--	<0.0005	<0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.002	--
Vinyl Chloride	mg/l	0.002	--	--	<0.0005	<0.0005

Footnotes:

Tables should be read in conjunction with the accompanying document.

< value = Indicates parameter not detected above laboratory method detection limit
> value = Indicates parameter detected above equipment analytical range
-- Chemical not analyzed or criteria not defined
(1) Ontario Drinking Water Quality Standards - Health Based Standards
(2) Bold = Parameter concentration greater than ODWQS(169/03)-Health
(3) Ontario Drinking Water Quality Standards - Aesthetic Objectives. Aesthetic Objectives are established for parameters that may impair the taste, odour or colour of water or which may interfere with good water quality control practices. For certain parameters, both aesthetic objectives and health-related MACs have been derived.
(4) Underline = Parameter concentration greater than ODWQS-AO
(5) Ontario Drinking Water Quality Standards - Operational Guidelines. Operational Guidelines are established for parameters that, if not controlled, may negatively affect the efficient and effective treatment, disinfection and distribution of
(6) Italic = Parameter concentration greater than ODWQS-OG
(7) Monitoring location was dry during this sampling event. No sample was collected.

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Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	00-1D 5/6/2002	00-1D 4/22/2003	00-1D 4/12/2004	00-1D 5/15/2005	00-1D 5/24/2006	00-1D 5/9/2007	00-1D 5/27/2008	00-1D 6/4/2009
											Z-4
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	<0.0006	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	0.0008
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	00-1M 5/6/2002	00-1M 4/22/2003	00-1M 4/12/2004	00-1M 5/15/2005	00-1M 5/30/2006	00-1M 5/9/2007	00-1M 5/27/2008	00-1M 6/4/2009 Z-5
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	00-1S 5/6/2002	00-1S 4/22/2003	00-1S 4/12/2004	00-1S 5/15/2005	00-1S 5/31/2006	00-1S 6/6/2006	00-1S 5/9/2007	00-1S 5/27/2008	00-1S 6/4/2009
												Z-6
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	--	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	--	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	--	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	--	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	--	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	--	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	00-2D 5/15/2002	00-2D 5/9/2003	00-2D 4/12/2004	00-2D 5/15/2005	00-2D 6/6/2006	00-2D 5/9/2007	00-2D 5/27/2008	00-2D 6/4/2009
											Z-7
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0141	0.0205	0.0061	0.0061	0.0026	0.0043	0.005	0.0031
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	0.0056	0.0066	0.0013	0.0016	<0.0004	0.0008	0.0009	0.0005
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	**0.0088**	**0.0107**	0.0033	0.0034	0.0004	0.0013	0.0014	0.0016
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	0.0007	0.0001	<0.0002	0.0007	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	00-2M 5/15/2002	00-2M 5/9/2003	00-2M 4/12/2004	00-2M 5/15/2005	00-2M 6/6/2006	00-2M 5/9/2007	00-2M 5/27/2008	00-2M 6/4/2009
											Z-8
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0013	0.0078	0.0004	0.002	0.0028	0.001	0.002	0.0008
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0029	0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0011	0.0045	0.0007	0.0015	0.0005	0.0007	0.0007	0.0008
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	0.0008	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	00-2S 5/15/2002	00-2S 5/9/2003	00-2S 4/12/2004	00-2S 5/15/2005	00-2S 6/6/2006	00-2S 5/9/2007	00-2S 5/27/2008	00-2S 6/4/2009
											Z-9
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0043	0.0054	0.0044	0.0016	0.0027	<0.0004	0.0008	0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	0.0047	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	0.0011	0.0014	0.0011	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0038	0.0029	0.0029	0.0012	0.0004	<0.0003	0.0004	0.0011
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	0.0008	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	00-3 5/6/2002	00-3 4/24/2003	00-3 4/12/2004	00-3 5/30/2005	00-3 6/6/2006	00-3 5/15/2007	00-3 6/4/2008	00-3 7/14/2009 00-3
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	<0.0005	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	<0.0006	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	<0.0004	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	<0.0004	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	<0.001	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	<0.0005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	<0.0007	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	<0.0003	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	<0.0004	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	--	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	--	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	<0.0004	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	<0.0005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0035	0.0023	0.0028	0.0026	0.0027	0.0026	0.0027	0.0058
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	<0.0003	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0050
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	0.0002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0005	0.0004	0.0006	0.0005	0.0005	0.0006	0.0005	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	0.0013	0.0009	0.001	0.0008	0.0009	0.0009	0.0008

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	90-3D 5/15/2002	90-3D 5/9/2003	90-3D 5/9/2003 90-3D-FD (Field Duplicate)	90-3D 4/16/2004	90-3D 5/27/2005	90-3D 6/4/2006	90-3D 5/15/2007	90-3D 6/4/2008	90-3D 6/4/2008 90-3D-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	--	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	--	<0.005	<0.02	<0.02	<0.02	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	--	<0.01	<0.1	<0.1	<0.1	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	--	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	<0.001	--	0.0007	<0.001	<0.001	<0.001	<0.001	--
Chloroform	mg/l	--	--	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	<0.001	--	<0.0005	<0.001	<0.001	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	--	0.0004	0.0006	<0.0004	<0.0004	<0.0004	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	--	<0.0001	<0.001	<0.001	<0.001	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	--	<0.0005	<0.004	<0.004	<0.004	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	--	0.0002	<0.0003	<0.0003	<0.0003	<0.0003	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	**0.0064**	**0.0027**	--	**0.0077**	**0.0121**	0.0017	0.0017	**0.0069**	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	90-3D 6/8/2009 J-2
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0072**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-10D 5/10/2002	91-10D 5/10/2002 91-10D-FD (Field Duplicate)	91-10D 5/8/2003	91-10D 5/8/2003 91-10D-FD (Field Duplicate)	91-10D 4/15/2004	91-10D 5/22/2005	91-10D 5/25/2006	91-10D 5/10/2007	91-10D 5/25/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	0.0001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	--	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0002	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0024	--	0.0019	--	0.0016	<0.0004	0.0007	0.001	0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	0.0002	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	**0.0105**	--	**0.01**	--	**0.0102**	0.0042	0.004	**0.0071**	0.0037
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	0.0011	--	0.0004	<0.0002	0.0003	0.0005	0.0003

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	91-10D 5/25/2008 91-10D-FD (Field Duplicate)	91-10D 6/5/2009 B-9
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.05
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.0010
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	**0.0061**
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-10M 5/10/2002	91-10M 5/10/2002 91-10M-FD (Field Duplicate)	91-10M 5/8/2003	91-10M 5/8/2003 91-10M-FD (Field Duplicate)	91-10M 4/15/2004	91-10M 5/22/2005	91-10M 5/25/2006	91-10M 5/10/2007	91-10M 5/25/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	--	0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	--	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0002	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0027	--	0.0011	--	0.0008	<0.0004	0.0004	0.0014	0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	**0.007**	--	0.0029	--	0.0017	0.0013	0.0009	0.0033	0.0009
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0058**	--	**0.0024**	--	0.0014	<0.0002	0.0008	**0.0042**	0.0007

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	91-10M 5/25/2008 91-10M-FD (Field Duplicate)	91-10M 6/5/2009 B-11
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.05
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.0010
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0006
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0025
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	0.0006

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-2D 5/8/2002	91-2D 5/8/2002 91-2D-FD (Field Duplicate)	91-2D 4/26/2003	91-2D 4/14/2004	91-2D 5/27/2005	91-2D 5/30/2006	91-2D 5/14/2007	91-2D 5/27/2008	91-2D 5/27/2008 91-2D-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	--
Benzene	mg/l	0.005	--	0.0008	--	<0.0005	0.0003	0.0008	<0.0005	<0.0005	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	--	0.0019	0.0015	<0.001	0.0021	0.0022	0.0018	--
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	--	0.0028	<0.0005	<0.001	<0.001	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	0.0021	--	0.0024	0.0013	0.0015	0.0014	0.0014	0.0019	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	**0.0248**	--	**0.042**	**0.0092**	**0.0131**	**0.0095**	**0.0078**	**0.0205**	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	91-2D 6/8/2009 J-3
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0012
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0070**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-2M 5/8/2002	91-2M 5/8/2002 91-2M-FD (Field Duplicate)	91-2M 4/26/2003	91-2M 4/14/2004	91-2M 5/27/2005	91-2M 5/30/2006	91-2M 5/14/2007	91-2M 5/27/2008	91-2M 5/27/2008 91-2M-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0001	<0.0005	0.0006	<0.0005	0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0001	<0.0002	0.0002	<0.0002	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.0002	<0.001	0.0024	0.0025	0.0025	--
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	0.002	--	<0.0004	<0.0001	0.0037	0.0029	0.0025	0.0028	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0002	**0.028**	**0.0121**	**0.0287**	**0.0301**	--

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-2M 6/8/2009 J-4
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	0.0006
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	0.0003
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0026
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0115**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-2S 5/8/2002	91-2S 5/8/2002 91-2S-FD (Field Duplicate)	91-2S 4/26/2003	91-2S 4/14/2004	91-2S 5/27/2005	91-2S 5/30/2006	91-2S 5/14/2007	91-2S 5/27/2008	91-2S 5/27/2008 91-2S-FD (Field Duplicate)
VOCs												
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	--	--	--	--	--	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	<0.0003	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	--	--	--	--	--	--	--
Chloroethane	mg/l	--	--	<0.001	--	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	<0.0005	--	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	<0.001	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	<0.001	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	--	--	--	--	--	--	--
o-Xylene	mg/l	--	--	<0.0005	--	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	--	--	--	--	--	--	--
Toluene	mg/l	--	0.024	<0.0005	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-2S 6/8/2009 J-5
VOCs				
1,1,2,2-Tetrachloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--
Metyl Ethyl Ketone	mg/l	--	--	--
Acetone	mg/l	--	--	--
Benzene	mg/l	0.005	--	--
Bromodichloromethane	mg/l	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--
Chloroethane	mg/l	--	--	--
Chloroform	mg/l	--	--	--
Chloromethane	mg/l	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	--
m,p-Xylenes	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	--
o-Xylene	mg/l	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--
Toluene	mg/l	--	0.024	--
trans-1,2-Dichloroethene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	--
Trichlorofluoromethane	mg/l	--	--	--
Vinyl Chloride	mg/l	0.002	--	--

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-3D 5/9/2002	91-3D 5/9/2002 91-3D-FD (Field Duplicate)	91-3D 5/3/2003	91-3D 5/3/2003 91-3D-FD (Field Duplicate)	91-3D 4/19/2004	91-3D 5/25/2005	91-3D 5/19/2006	91-3D 5/19/2006 91-3D-FD (Field Duplicate)	91-3D 5/14/2007
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	--	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	**0.1**	--	--	--	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	--	<0.005	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	--	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	--	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	--	0.0005	0.0026	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	--	<0.0005	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0005	0.0005	0.0008	--	0.0007	0.0024	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	--	<0.0001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	--	<0.0005	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	**0.0028**	--	**0.0043**	**0.0258**	**0.0029**	**0.0027**	0.0014

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-3D 5/28/2008	91-3D 5/28/2008 91-3D-FD (Field Duplicate)	91-3D 6/5/2009 B-5
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.01
2-Hexanone	mg/l	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.05
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003
Bromoform	mg/l	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002
Chloroethane	mg/l	--	--	0.002	--	<0.0010
Chloroform	mg/l	--	--	<0.0005	--	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0017	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	0.0006
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0081**	--	0.0009

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-3M 5/9/2002	91-3M 5/9/2002 91-3M-FD (Field Duplicate)	91-3M 5/3/2003	91-3M 5/3/2003 91-3M-FD (Field Duplicate)	91-3M 4/19/2004	91-3M 5/25/2005	91-3M 5/19/2006	91-3M 5/14/2007	91-3M 5/28/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	0.0007	--	0.0006	--	0.0005	0.0008	<0.0005	0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	--	0.0002	<0.0002	0.0002	0.0003	0.0002
Chloroethane	mg/l	--	--	<0.001	--	0.0023	--	0.0028	0.003	0.0026	0.0032	0.0052
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	0.0033	--	<0.0005	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0053	--	0.0061	--	0.0062	0.0048	0.0031	0.0031	0.0032
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	0.0001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0003	--	<0.0003	--	0.0002	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	**0.199**	--	**0.0819**	**0.057**	**0.0401**	**0.0569**	**0.02**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-3M 5/28/2008 91-3M-FD (Field Duplicate)	91-3M 6/5/2009 B-6
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.05
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	0.0032
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0035
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0006
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.0391**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-3S 5/9/2002	91-3S 5/9/2002 91-3S-FD (Field Duplicate)	91-3S 5/4/2003	91-3S 5/4/2003 91-3S-FD (Field Duplicate)	91-3S 4/19/2004	91-3S 5/25/2005	91-3S 5/19/2006	91-3S 5/14/2007	91-3S 5/28/2008

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-3S 5/28/2008 91-3S-FD (Field Duplicate)	91-3S 6/5/2009 B-7	91-3S 6/5/2009 B-8 (Field Duplicate)

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-5D 5/7/2002	91-5D 5/7/2002 91-5D-FD (Field Duplicate)	91-5D 5/3/2003	91-5D 5/3/2003 91-5D-FD (Field Duplicate)	91-5D 4/19/2004	91-5D 5/22/2005	91-5D 5/19/2006	91-5D 5/14/2007	91-5D 5/28/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	0.0002	0.0003	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	0.0002	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0036	--	0.0052	0.005	0.0029	0.0042	0.0043	0.0035	0.0039
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0043	--	0.0029	0.0026	0.0022	0.0023	0.0017	0.0013	0.0018
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0057**	--	**0.0091**	**0.0105**	0.0006	**0.0053**	**0.0113**	**0.0088**	**0.0034**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-5D 5/28/2008 91-5D-FD (Field Duplicate)	91-5D 6/5/2009 B-3
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.05
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.0010
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0033
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0027
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-5S 5/7/2002	91-5S 5/7/2002 91-5S-FD (Field Duplicate)	91-5S 5/3/2003	91-5S 5/3/2003 91-5S-FD (Field Duplicate)	91-5S 4/19/2004	91-5S 5/22/2005	91-5S 5/22/2005 91-5S-FD (Field Duplicate)	91-5S 5/19/2006	91-5S 5/14/2007
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	<0.0006	<0.0006	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	--	0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	0.0003	--	0.0002	<0.0002	<0.0002	0.0002	0.0003
Chloroethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0002	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0009	--	0.0011	--	0.0006	0.0008	<0.0004	0.0012	0.0005
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.002	--	0.0019	--	0.0015	0.0018	0.0019	0.0014	0.0016
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	0.0007	--	0.0007	<0.0002	0.0014	**0.0029**	0.0005

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-5S 5/28/2008	91-5S 5/28/2008 91-5S-FD (Field Duplicate)	91-5S 6/5/2009 B-4
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	0.0003	0.0003	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0015	0.0015	0.0026
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-6D 5/9/2002	91-6D 5/9/2002 91-6D-FD (Field Duplicate)	91-6D 4/26/2003	91-6D 4/15/2004	91-6D 5/25/2005	91-6D 5/18/2006	91-6D 5/11/2007	91-6D 5/28/2008	91-6D 5/28/2008 91-6D-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	--
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	**0.0034**	0.001	<0.0002	0.002	0.0003	0.0007	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	91-6D 6/5/2009 C-13
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	0.0009

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-7D 5/9/2002	91-7D 5/9/2002 91-7D-FD (Field Duplicate)	91-7D 4/26/2003	91-7D 4/18/2004	91-7D 4/18/2004 91-7D-FD (Field Duplicate)	91-7D 5/23/2005	91-7D 5/18/2006	91-7D 5/11/2007	91-7D 5/28/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.005	<0.005	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	<0.005	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	<0.0002	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	0.0002	0.0002	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0004	--	0.0005	0.0005	0.0005	<0.0004	<0.0004	0.0005	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.0005	<0.0005	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0005	--	0.0005	0.0004	0.0004	0.0004	0.0003	<0.0003	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	0.0007	0.0002	0.0002	<0.0002	<0.0002	0.0012	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	91-7D 5/28/2008 91-7D-FD (Field Duplicate)	91-7D 6/5/2009 C-16	91-7D 6/5/2009 C-18 (Field Duplicate)
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0004	0.0008	0.0008
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-7S 5/9/2002	91-7S 5/9/2002 91-7S-FD (Field Duplicate)	91-7S 4/26/2003	91-7S 4/26/2003 91-7S-FD (Field Duplicate)	91-7S 4/18/2004	91-7S 5/23/2005	91-7S 5/18/2006	91-7S 5/11/2007	91-7S 5/28/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	0.0008	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0016	--	0.0006	0.0006	0.0007	0.0007	<0.0004	0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0004	--	0.0004	0.0004	0.0004	0.0006	<0.0003	0.0004	0.0005
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0074**	--	**0.0033**	**0.0032**	**0.003**	0.0014	0.0006	0.0009	0.0008

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	91-7S 5/28/2008 91-7S-FD (Field Duplicate)	91-7S 6/5/2009 C-15
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.05
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.0010
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0011
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	0.0009

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-2D 5/9/2002	93-2D 5/9/2002 93-2D-FD (Field Duplicate)	93-2D 9/16/2002	93-2D 4/27/2003	93-2D 9/22/2003	93-2D 9/22/2003 93-2D-FD (Field Duplicate)	93-2D 4/19/2004	93-2D 9/23/2004	93-2D 5/20/2005
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	--
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0002	<0.0002	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	**0.1**	--	--	--	--	--	<0.0001	<0.0001	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.005	<0.005	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.01	<0.01	<0.1
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0001	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0001	<0.0001	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	0.0004	<0.0002	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.0005	<0.0005	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	0.0002	<0.0001	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.0001	<0.0001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.0005	<0.0005	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0001	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	0.0002	<0.0001	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0005	0.0007	<0.0005	--	0.0003	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-2D 9/28/2005	93-2D 5/19/2006	93-2D 9/30/2006	93-2D 5/11/2007	93-2D 9/25/2007	93-2D 5/25/2008	93-2D 5/25/2008 93-2D-FD (Field Duplicate)	93-2D 9/29/2008	93-2D 6/5/2009 C-11
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0004	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	0.0007
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	--	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-2D 9/11/2009 A-19
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	0.0004

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-2M 5/9/2002	93-2M 5/9/2002 93-2M-FD (Field Duplicate)	93-2M 9/17/2002	93-2M 4/27/2003	93-2M 9/22/2003	93-2M 9/22/2003 93-2M-FD (Field Duplicate)	93-2M 4/19/2004	93-2M 4/19/2004 93-2M-FD (Field Duplicate)	93-2M 9/23/2004
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0002	<0.0002	<0.0002
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0001
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0001
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0001
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0001
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.02	<0.005	<0.005	<0.005
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	<0.01
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0001
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0001
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0001
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0001
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0001
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	<0.004	<0.004	<0.0005	<0.0005	<0.0005
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0001
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0001
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0001
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0001
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-2M 5/23/2005	93-2M 9/29/2005	93-2M 5/19/2006	93-2M 9/28/2006	93-2M 5/11/2007	93-2M 9/25/2007	93-2M 5/25/2008	93-2M 5/25/2008 93-2M-FD (Field Duplicate)	93-2M 9/29/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	93-2M 6/5/2009 C-14	93-2M 9/11/2009 A-22
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-2S 5/9/2002	93-2S 5/9/2002 93-2S-FD (Field Duplicate)	93-2S 9/17/2002	93-2S 4/27/2003	93-2S 9/22/2003	93-2S 4/19/2004	93-2S 9/23/2004	93-2S 5/20/2005	93-2S 9/28/2005
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	--	--
Styrene	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0002	<0.0002	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.005	<0.005	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	<0.1	<0.01	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	<0.0001	<0.0001	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.0002	<0.0002	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	<0.004	<0.0005	<0.0005	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-2S 5/19/2006	93-2S 9/28/2006	93-2S 5/11/2007	93-2S 9/25/2007	93-2S 5/25/2008	93-2S 5/25/2008 93-2S-FD (Field Duplicate)	93-2S 9/29/2008	93-2S 6/5/2009 C-9	93-2S 9/11/2009 A-21
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	93-3D 5/9/2002	93-3D 5/9/2002 93-3D-FD (Field Duplicate)	93-3D 4/26/2003	93-3D 4/19/2004	93-3D 5/23/2005	93-3D 5/18/2006	93-3D 5/10/2007	93-3D 5/10/2007 93-3D-FD (Field Duplicate)	93-3D 5/25/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	93-3D 5/25/2008 93-3D-FD (Field Duplicate)	93-3D 6/2/2009 A-13
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.05
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.0010
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0004
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-3S 5/9/2002	93-3S 5/9/2002 93-3S-FD (Field Duplicate)	93-3S 4/26/2003	93-3S 4/19/2004	93-3S 5/23/2005	93-3S 5/18/2006	93-3S 5/18/2006 93-3S-FD (Field Duplicate)	93-3S 5/10/2007	93-3S 5/28/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-3S 5/28/2008 93-3S-FD (Field Duplicate)	93-3S 6/2/2009 A-14
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.05
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.0010
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0004
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-4D 5/9/2002	93-4D 5/9/2002 93-4D-FD (Field Duplicate)	93-4D 9/17/2002	93-4D 4/26/2003	93-4D 9/22/2003	93-4D 9/22/2003 93-4D-FD (Field Duplicate)	93-4D 4/19/2004	93-4D 9/23/2004	93-4D 5/23/2005
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	--
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	--	<0.0002	<0.0002	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	<0.02	--	<0.005	<0.005	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	<0.1	--	<0.01	<0.01	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0001	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	<0.0002	--	<0.0001	<0.0001	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	--	<0.0002	<0.0002	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	--	<0.0005	<0.0005	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	--	<0.0001	<0.0001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	<0.004	--	<0.0005	<0.0005	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0001	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0001	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-4D 9/28/2005	93-4D 9/28/2005 93-4D-FD (Field Duplicate)	93-4D 5/25/2006	93-4D 9/28/2006	93-4D 5/10/2007	93-4D 9/25/2007	93-4D 5/25/2008	93-4D 5/28/2008	93-4D 5/28/2008 93-4D-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	--
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	--	<0.0002	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	93-4D 9/29/2008	93-4D 6/5/2009 C-10	93-4D 9/11/2009 A-18
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	0.0006	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-4S 5/9/2002	93-4S 5/9/2002 93-4S-FD (Field Duplicate)	93-4S 9/17/2002	93-4S 4/26/2003	93-4S 9/22/2003	93-4S 4/19/2004	93-4S 9/23/2004	93-4S 5/23/2005	93-4S 9/28/2005
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	--	--
Styrene	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0002	<0.0002	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.005	<0.005	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	<0.1	<0.01	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	<0.0001	<0.0001	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.0002	<0.0002	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	<0.004	<0.0005	<0.0005	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-4S 5/25/2006	93-4S 9/28/2006	93-4S 5/10/2007	93-4S 9/25/2007	93-4S 5/28/2008	93-4S 5/28/2008 93-4S-FD (Field Duplicate)	93-4S 9/29/2008	93-4S 6/5/2009 C-12	93-4S 9/11/2009 A-23
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	0.0006	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-5D 5/7/2002	93-5D 5/7/2002 93-5D-FD (Field Duplicate)	93-5D 9/16/2002	93-5D 4/27/2003	93-5D 9/24/2003	93-5D 9/24/2003 93-5D-FD (Field Duplicate)	93-5D 4/18/2004	93-5D 9/23/2004	93-5D 5/22/2005
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	--
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	--	<0.0002	<0.0002	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	<0.02	--	<0.005	<0.005	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	<0.1	--	<0.01	<0.01	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0001	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	<0.0002	--	<0.0001	<0.0001	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	--	<0.0002	<0.0002	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	--	<0.0005	<0.0005	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0008	--	0.0007	<0.0004	0.0005	--	0.0004	0.0005	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	--	<0.0001	<0.0001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	<0.004	--	<0.0005	<0.0005	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0001	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	0.0012	--	0.0012	0.0007	0.0009	--	0.0008	0.0009	0.0011
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0002	0.0004	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-5D 9/27/2005	93-5D 5/19/2006	93-5D 9/28/2006	93-5D 5/15/2007	93-5D 9/25/2007	93-5D 5/28/2008	93-5D 5/28/2008 93-5D-FD (Field Duplicate)	93-5D 9/29/2008	93-5D 6/5/2009
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0009	<0.0004	0.0005	0.0006	0.0006	0.0004	--	<0.0004	0.0006
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0015	0.0006	0.0008	0.0012	0.0012	0.0009	--	<0.0003	0.0021
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0055**	0.0002	0.0007	0.0007	0.0007	0.0005	--	0.0018	0.0004

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	93-5D 9/10/2009 A-11
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	0.0008

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-5S 5/7/2002	93-5S 5/7/2002 93-5S-FD (Field Duplicate)	93-5S 9/16/2002	93-5S 4/27/2003	93-5S 4/27/2003 93-5S-FD (Field Duplicate)	93-5S 9/24/2003	93-5S 9/24/2003 93-5S-FD (Field Duplicate)	93-5S 4/18/2004	93-5S 9/23/2004
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	<0.005	<0.005
Styrene	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0002	<0.0002
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.02	--	<0.005	<0.005
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	<0.005	<0.005
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	<0.1	<0.1	--	<0.01	<0.01
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	0.0001	0.0003
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0001
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0001	<0.0001
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	<0.0002	0.0004	--	0.0001	0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.001	--	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.001	--	<0.0005	<0.0005
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	0.0007	<0.0004	<0.0004	0.0011	--	0.0002	0.0006
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.001	--	<0.0001	<0.0001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	<0.004	<0.004	--	<0.0005	<0.0005
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0001
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Trichloroethene	mg/l	0.005	--	0.0006	--	0.0015	0.0005	0.0005	0.0021	--	0.0005	0.0013
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	**0.0021**	0.0015	0.0015	**0.0061**	--	0.0007	0.0019

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-5S 5/22/2005	93-5S 9/27/2005	93-5S 5/19/2006	93-5S 9/28/2006	93-5S 5/15/2007	93-5S 5/15/2007 93-5S-FD (Field Duplicate)	93-5S 9/25/2007	93-5S 5/28/2008	93-5S 5/28/2008 93-5S-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	--
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	0.0009	0.0009	<0.0004	0.0008	0.0005	0.0005	0.001	0.0006	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0014	0.0018	0.0005	0.0019	0.0011	0.0011	0.0023	0.0012	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	**0.0058**	**0.0086**	0.0006	**0.0123**	**0.0024**	**0.0025**	**0.0095**	**0.0025**	--

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-5S 9/29/2008	93-5S 6/2/2009 A-12	93-5S 9/10/2009 A-10
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	0.0006
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	0.0003	<0.0002	0.0003
Chloroethane	mg/l	--	--	<0.001	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0006	0.0007
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	0.0018	0.0007
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0069**	0.0018	**0.0078**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-8D 5/13/2002	93-8D 5/13/2002 93-8D-FD (Field Duplicate)	93-8D 9/16/2002	93-8D 4/27/2003	93-8D 9/24/2003	93-8D 9/24/2003 93-8D-FD (Field Duplicate)	93-8D 4/18/2004	93-8D 9/23/2004	93-8D 9/23/2004 93-8D-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	--	<0.0002	<0.0002	<0.0002
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0001
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0001
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0001
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0001
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	<0.02	--	<0.005	<0.005	<0.005
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	<0.1	--	<0.01	<0.01	<0.01
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0001
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0001	<0.0001
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	<0.0002	--	<0.0001	<0.0001	<0.0001
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	--	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0001
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	--	<0.0005	<0.0005	<0.0005
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0001
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0001
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	--	<0.0001	<0.0001	<0.0001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	<0.004	--	<0.0005	<0.0005	<0.0005
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0001	<0.0001	<0.0001
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	<0.0003	--	<0.0001	<0.0001	<0.0001
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002	<0.0002
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	--	<0.0001	<0.0001	<0.0001
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Trichloroethene	mg/l	0.005	--	0.0003	--	<0.0003	<0.0003	<0.0003	--	0.0002	0.0002	0.0002
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0002	<0.0002	<0.0002
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0005	<0.0005	--	<0.0002	0.0002	0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-8D 5/20/2005	93-8D 5/20/2005 93-8D-FD (Field Duplicate)	93-8D 9/29/2005	93-8D 5/18/2006	93-8D 9/28/2006	93-8D 5/15/2007	93-8D 9/25/2007	93-8D 5/28/2008	93-8D 5/28/2008 93-8D-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0003	<0.0003	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	0.0003	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	93-8D 9/28/2008	93-8D 6/5/2009 C-8	93-8D 9/10/2009 A-12	93-8D 9/10/2009 A-13 (Field Duplicate)
Semi-VOCs							
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--
VOCs							
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.01	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.05	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.0010	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.0010	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.0010	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	0.0009	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	0.0003	0.0003	0.0003	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-8M 5/13/2002	93-8M 5/13/2002 93-8M-FD (Field Duplicate)	93-8M 9/16/2002	93-8M 4/27/2003	93-8M 9/24/2003	93-8M 4/18/2004	93-8M 9/23/2004	93-8M 5/20/2005	93-8M 9/28/2005
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	--	--
Styrene	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0002	<0.0002	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.005	<0.005	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	<0.1	<0.01	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	<0.0001	<0.0001	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.0002	<0.0002	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	0.0002	0.0003	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	<0.004	<0.0005	<0.0005	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	0.0004	--	<0.0003	<0.0003	<0.0003	0.0002	0.0002	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	0.0009	--	<0.0005	<0.0005	<0.0005	0.0019	**0.0031**	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-8M 5/18/2006	93-8M 9/28/2006	93-8M 5/15/2007	93-8M 9/25/2007	93-8M 9/25/2007 93-8M-FD (Field Duplicate)	93-8M 5/28/2008	93-8M 5/28/2008 93-8M-FD (Field Duplicate)	93-8M 9/28/2008	93-8M 6/5/2009 C-4
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	0.0008
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	0.0016	0.0006	0.0006	0.0006	--	0.0004	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	93-8M 6/5/2009 C-5 (Field Duplicate)	93-8M 9/10/2009 A-3
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0007	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-8S 5/13/2002	93-8S 5/13/2002 93-8S-FD (Field Duplicate)	93-8S 9/16/2002	93-8S 4/27/2003	93-8S 9/24/2003	93-8S 4/18/2004	93-8S 9/23/2004	93-8S 5/20/2005	93-8S 9/28/2005
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	--	--
Styrene	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0002	<0.0002	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	<0.02	<0.005	<0.005	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	<0.1	<0.01	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	<0.0001	<0.0001	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	0.0003	0.0002	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0005	--	<0.0004	<0.0004	<0.0004	0.0004	0.0003	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	<0.004	<0.0005	<0.0005	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	<0.0003	0.0002	0.0001	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	0.001	0.0006	0.0007	0.0003	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	93-8S 5/18/2006	93-8S 9/28/2006	93-8S 5/15/2007	93-8S 9/25/2007	93-8S 5/28/2008	93-8S 5/28/2008 93-8S-FD (Field Duplicate)	93-8S 9/28/2008	93-8S 6/5/2009 C-6	93-8S 9/10/2009 A-6
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	0.0006	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	0.0004	<0.0002	0.0008	--	0.0004	0.0003	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	94-1D 5/15/2002	94-1D 5/15/2002 94-1D-FD (Field Duplicate)	94-1D 4/26/2003	94-1D 4/14/2004	94-1D 5/27/2005
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0002	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.005	<0.02
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.01	<0.1
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003
Bromoform	mg/l	--	--	--	--	--	<0.0002	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0001	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0002	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0005	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.0001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.0005	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0002	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	94-1S 5/15/2002	94-1S 5/15/2002 94-1S-FD (Field Duplicate)	94-1S 4/26/2003	94-1S 4/14/2004	94-1S 5/27/2005
Semi-VOCs								
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0002	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0001	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.005	<0.02
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.01	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0001	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0001	<0.0003
Bromoform	mg/l	--	--	--	--	--	<0.0002	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0001	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.0002	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.0005	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0001	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.0001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.0005	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0001	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0002	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0001	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0002	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-2D 5/7/2002	98-2D 4/27/2003	98-2D 4/12/2004	98-2D 5/15/2005	98-2D 5/15/2005 98-2D-FD (Field Duplicate)	98-2D 5/25/2006	98-2D 5/9/2007	98-2D 5/9/2007 98-2D-FD (Field Duplicate)	98-2D 5/24/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	<0.0005	0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0072	0.0076	0.0138	0.0213	0.0221	0.0217	0.0295	0.0312	0.048
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	0.0015	0.001	0.0009	<0.0003	0.0009	0.0006	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.0006
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	**0.116**	**0.085**	**0.12**	**0.0633**	**0.0622**	**0.0716**	**0.0341**	**0.0338**	**0.0164**
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0064**	**0.0035**	0.001	**0.0023**	**0.0024**	0.0008	0.0018	0.0018	**0.0025**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-2D 6/5/2009 B-11
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0061
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	0.0026
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	**0.1124**
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0105**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-3D 5/7/2002	98-3D 5/7/2002 98-3D-FD (Field Duplicate)	98-3D 5/3/2003	98-3D 5/3/2003 98-3D-FD (Field Duplicate)	98-3D 4/15/2004	98-3D 5/22/2005	98-3D 5/18/2006	98-3D 5/15/2007	98-3D 5/28/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	0.0002	0.0006	0.0006	0.0006	0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	--	0.0002	0.0011	0.0009	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	0.0006	--	0.0005	0.002	0.0013	0.0008	0.0007
Chloroethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0002	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0004	--	0.0005	--	0.0003	0.0012	0.0012	0.0005	0.0006
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0013	--	0.0011	--	0.0007	0.002	0.0017	0.0014	0.0015
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	**0.0027**	--	0.0008	**0.0042**	**0.0037**	0.001	0.001

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	98-3D 5/28/2008 98-3D-FD (Field Duplicate)	98-3D 6/5/2009 A-15
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	0.0005
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.05
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	0.0013
Chloroethane	mg/l	--	--	--	<0.0010
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0016
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	0.0009

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-3M 5/7/2002	98-3M 5/7/2002 98-3M-FD (Field Duplicate)	98-3M 5/3/2003	98-3M 5/3/2003 98-3M-FD (Field Duplicate)	98-3M 4/15/2004	98-3M 5/22/2005	98-3M 5/18/2006	98-3M 5/15/2007	98-3M 5/28/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	--	0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	--	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0002	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0004	--	0.0008	--	0.0003	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0019	--	0.0026	--	0.0014	0.0021	0.0015	0.0008	0.001
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	**0.0035**	--	0.0005	<0.0002	0.0004	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-3M 5/28/2008 98-3M-FD (Field Duplicate)	98-3M 6/5/2009 A-16
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.05
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.0010
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0018
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-3S 5/7/2002	98-3S 5/7/2002 98-3S-FD (Field Duplicate)	98-3S 5/3/2003	98-3S 5/3/2003 98-3S-FD (Field Duplicate)	98-3S 4/15/2004	98-3S 4/15/2004 98-3S-FD (Field Duplicate)	98-3S 5/22/2005	98-3S 5/18/2006	98-3S 5/15/2007
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	<0.005	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	0.005	--	--	--	<0.0001	<0.0001	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	<0.005	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	<0.005	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	<0.01	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	--	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	<0.0005	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	<0.0001	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	--	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0002	<0.0002	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	<0.0005	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	<0.0001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	<0.0005	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Trichloroethene	mg/l	0.005	--	0.0003	--	<0.0003	--	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	98-3S 5/28/2008	98-3S 5/28/2008 98-3S-FD (Field Duplicate)	98-3S 6/5/2009 A-17
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.01
2-Hexanone	mg/l	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.05
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003
Bromoform	mg/l	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.0010
Chloroform	mg/l	--	--	<0.0005	--	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	--	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-5D 5/7/2002	98-5D 5/7/2002 98-5D-FD (Field Duplicate)	98-5D 4/27/2003	98-5D 4/15/2004	98-5D 5/22/2005	98-5D 5/18/2006	98-5D 5/10/2007	98-5D 5/28/2008	98-5D 5/28/2008 98-5D-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	--
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	0.0064	--	0.0064	0.0082	0.0108	0.0076	0.0088	0.0095	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	**0.0072**	--	**0.0065**	0.0034	0.0027	0.0025	0.0017	0.0013	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	**0.0069**	--	**0.009**	**0.0053**	**0.0084**	**0.0067**	**0.008**	**0.0056**	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	98-5D 6/5/2009 A-18
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0074
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	0.0021
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0028**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-5M 5/7/2002	98-5M 5/7/2002 98-5M-FD (Field Duplicate)	98-5M 4/27/2003	98-5M 4/15/2004	98-5M 5/22/2005	98-5M 5/18/2006	98-5M 5/10/2007	98-5M 5/28/2008	98-5M 5/28/2008 98-5M-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	--
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	0.0007	<0.0004	<0.0004	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0008	--	0.0009	0.0005	<0.0003	0.0011	0.0005	0.0004	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	98-5M 6/5/2009 B-1
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	0.0006
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-5S 5/7/2002	98-5S 5/7/2002 98-5S-FD (Field Duplicate)	98-5S 4/27/2003	98-5S 4/15/2004	98-5S 5/22/2005	98-5S 5/18/2006	98-5S 5/10/2007	98-5S 5/28/2008	98-5S 5/28/2008 98-5S-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	--
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	0.0005	<0.0004	<0.0004	<0.0004	<0.0004	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0009	0.0013	0.0003	0.0022	<0.0003	0.0015	0.0003	0.0005	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0005	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	98-5S 6/5/2009 B-2
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	0.0006
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	98-6D 6/4/2006
VOCs				
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	0.0009
1,2-Dichlorobenzene	mg/l	0.2	0.003	0.0006
1,4-Dichlorobenzene	mg/l	0.005	0.001	0.0035
Metyl Ethyl Ketone	mg/l	--	--	<0.02
Acetone	mg/l	--	--	<0.1
Benzene	mg/l	0.005	--	0.002
Bromodichloromethane	mg/l	--	--	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0073
Chloroethane	mg/l	--	--	<0.001
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.034
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001
Methylene Chloride	mg/l	0.05	--	<0.004
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	0.0013
Trichloroethene	mg/l	0.005	--	0.0013
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0476**

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	98-7D 6/4/2006
VOCs				
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	0.0007
Metyl Ethyl Ketone	mg/l	--	--	<0.02
Acetone	mg/l	--	--	<0.1
Benzene	mg/l	0.005	--	0.002
Bromodichloromethane	mg/l	--	--	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.002
Chloroethane	mg/l	--	--	<0.001
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.057
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001
Methylene Chloride	mg/l	0.05	--	<0.004
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	0.0005
Trichloroethene	mg/l	0.005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.335**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-7M 9/28/2006
VOCs				
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	**0.0241**
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02
Acetone	mg/l	--	--	<0.1
Benzene	mg/l	0.005	--	0.0009
Bromodichloromethane	mg/l	--	--	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0003
Chloroethane	mg/l	--	--	<0.001
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	3.418
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001
Methylene Chloride	mg/l	0.05	--	<0.004
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	0.0023
trans-1,2-Dichloroethene	mg/l	--	--	0.028
Trichloroethene	mg/l	0.005	--	**0.0546**
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.904**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-8D 5/8/2002	98-8D 5/8/2002 98-8D-FD (Field Duplicate)	98-8D 5/3/2003	98-8D 5/3/2003 98-8D-FD (Field Duplicate)	98-8D 4/18/2004	98-8D (7) 6/2/2009 98-8D
Semi-VOCs									
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	<0.0001	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	<0.0001	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	--
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	--
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	--	<0.0001	--
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	--
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	--	<0.0001	--
Chloroethane	mg/l	--	--	<0.001	--	<0.001	--	0.0003	--
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	--
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	--
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	--
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	--
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	0.0007	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	--	<0.0001	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	--
Vinyl Chloride	mg/l	0.002	--	**0.0057**	--	0.0016	--	0.0008	--

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-8M 5/8/2002	98-8M 5/8/2002 98-8M-FD (Field Duplicate)	98-8M 5/3/2003	98-8M 5/3/2003 98-8M-FD (Field Duplicate)	98-8M 4/18/2004	98-8M 5/23/2005	98-8M 6/4/2006	98-8M 5/15/2007	98-8M 5/25/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	--	0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	--	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	0.0014	--	0.0004	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	0.0013	--	0.0004	0.001	0.0009	0.0009	0.0007
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	0.0003	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	0.0013	--	0.0003	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	**0.0119**	--	0.0016	**0.004**	<0.0002	0.0013	0.0004

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-8M 5/25/2008 98-8M-FD (Field Duplicate)	98-8M 6/5/2009 C-1	98-8M 6/5/2009 C-1
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01	--
2-Hexanone	mg/l	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.05	--
Benzene	mg/l	0.005	--	--	<0.0005	--
Bromodichloromethane	mg/l	--	--	--	<0.0003	--
Bromoform	mg/l	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	--
Chloroethane	mg/l	--	--	--	<0.0010	--
Chloroform	mg/l	--	--	--	<0.0005	--
Chloromethane	mg/l	--	--	--	<0.0010	--
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	--
m,p-Xylenes	mg/l	--	--	--	<0.0010	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040	--
o-Xylene	mg/l	--	--	--	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	--
Toluene	mg/l	--	0.024	--	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0008	--
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	--	<0.0002	--

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-8S 5/8/2002	98-8S 5/8/2002 98-8S-FD (Field Duplicate)	98-8S 5/3/2003	98-8S 5/3/2003 98-8S-FD (Field Duplicate)	98-8S 4/18/2004	98-8S 5/23/2005	98-8S 5/23/2005 98-8S-FD (Field Duplicate)
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	0.0001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	--	0.0001	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	--	0.0001	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0002	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	0.0002	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	0.0002	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	--	0.0002	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	0.0004	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	0.0012	--	0.0017	0.0013	0.0014

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-8S 5/18/2006	98-8S 5/18/2006 98-8S-FD (Field Duplicate)	98-8S 5/15/2007	98-8S 5/25/2008	98-8S 5/25/2008 98-8S-FD (Field Duplicate)	98-8S 6/5/2009 C-2
Semi-VOCs									
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	--	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	--	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	0.0005	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	--	0.0007
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	0.0008	0.0008	0.0009	0.001	--	0.0009

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-9D 5/8/2002	98-9D 9/17/2002	98-9D 5/3/2003	98-9D 5/3/2003 (Field Duplicate)	98-9D 9/24/2003	98-9D 4/18/2004	98-9D 9/23/2004	98-9D 5/23/2005	98-9D 9/27/2005
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	--	--
Styrene	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0002	<0.0002	<0.0006	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
1,1-Dichloroethane	mg/l	--	--	0.0006	0.0006	0.0007	0.0007	0.0006	0.0006	0.0006	<0.0004	0.0006
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0001	0.0001	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	0.0001	<0.0001	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.005	<0.005	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	<0.005	<0.005	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	<0.1	<0.1
Benzene	mg/l	0.005	--	0.0012	0.0007	0.001	0.001	0.0008	0.0008	0.0008	0.0012	0.0009
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	<0.0005	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	<0.0001	<0.0001	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0002	0.0004	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.005	0.0027	0.0037	0.0034	0.0034	0.0032	0.0033	0.0035	0.003
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.0005	<0.0005	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	<0.0002	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	0.004	0.0019	0.0031	0.0034	0.0031	0.0028	0.0028	0.0036	0.0035
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	**0.0141**	**0.028**	**0.028**	**0.029**	**0.0189**	**0.0142**	**0.0164**	**0.021**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-9D 5/18/2006	98-9D 9/28/2006	98-9D 9/28/2006 (Field Duplicate)	98-9D 5/11/2007	98-9D 9/25/2007	98-9D 5/25/2008	98-9D 9/28/2008	98-9D 6/2/2009 A-10	98-9D 9/10/2009 A-9
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	0.0004	0.0005	0.0005	0.0005	0.0006	0.0014	0.0007	0.0006	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05
Benzene	mg/l	0.005	--	0.0007	0.0008	0.0009	0.0008	0.0011	0.0009	<0.0005	0.0013	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0023	0.0029	0.003	0.0026	0.0031	0.003	0.0038	0.0027	0.0011
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0023	0.003	0.003	0.0027	0.0032	0.0028	0.0012	0.0044	0.0008
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0144**	**0.019**	**0.0202**	**0.0143**	**0.0137**	**0.0153**	**0.017**	**0.0138**	**0.0094**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-9M 5/8/2002	98-9M 5/8/2002 98-9M-FD (Field Duplicate)	98-9M 9/17/2002	98-9M 5/3/2003	98-9M 5/3/2003 98-9M-FD (Field Duplicate)	98-9M 9/24/2003	98-9M 9/24/2003 98-9M-FD (Field Duplicate)	98-9M 4/18/2004	98-9M 9/23/2004
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	<0.005	<0.005
Styrene	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	--	<0.0006	--	<0.0002	<0.0002
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	--	0.0001	<0.0001
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0001	<0.0001
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	--	<0.0004	--	<0.0001	<0.0001
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	--	<0.0004	--	<0.0001	<0.0001
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	--	<0.02	--	<0.005	<0.005
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	<0.005	<0.005
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	--	<0.1	--	<0.01	<0.01
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	0.0001	0.0002
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	--	<0.0001	<0.0001
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0001	<0.0001
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	--	<0.0002	--	<0.0001	<0.0001
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	--	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0001	<0.0001
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	--	<0.0005	<0.0005
cis-1,2-Dichloroethene	mg/l	--	--	0.0008	--	0.0008	0.0009	--	0.0008	--	0.0006	0.0007
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0001	<0.0001
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	--	<0.0001	<0.0001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	--	<0.004	--	<0.0005	<0.0005
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0001	<0.0001
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	--	<0.0001	<0.0001
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0002	<0.0002
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	--	<0.0001	<0.0001
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Trichloroethene	mg/l	0.005	--	0.0004	--	0.0004	0.0004	--	0.0005	--	0.0004	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0002	<0.0002
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	0.0016	--	**0.004**	--	0.001	0.0019

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-9M 5/23/2005	98-9M 9/27/2005	98-9M 5/18/2006	98-9M 9/28/2006	98-9M 5/11/2007	98-9M 9/25/2007	98-9M 5/25/2008	98-9M 5/25/2008 98-9M-FD (Field Duplicate)	98-9M 9/28/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0008	0.0005	0.0006	0.0006	0.0006	0.0007	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	0.0005	0.0004	0.0004	0.0004	0.0005	0.0004	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	0.0016	0.0013	0.002	0.0008	0.0014	0.0009	0.0006	--	0.0006

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	98-9M 6/5/2009 C-3	98-9M 9/10/2009 A-8
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0005	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0014	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	0.0014	0.0005

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-9S 5/8/2002	98-9S 5/8/2002 98-9S-FD (Field Duplicate)	98-9S 9/17/2002	98-9S 5/3/2003	98-9S 5/3/2003 98-9S-FD (Field Duplicate)	98-9S 9/24/2003	98-9S 9/24/2003 98-9S-FD (Field Duplicate)	98-9S 4/18/2004	98-9S 9/23/2004
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	<0.005	<0.005
Styrene	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	0.0001	0.0001
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	--	<0.0006	--	<0.0002	<0.0002
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	--	<0.0001	<0.0001
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0001	<0.0001
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	--	<0.0004	--	<0.0001	<0.0001
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	<0.0001	<0.0001
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	--	<0.0004	--	<0.0001	<0.0001
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	--	<0.02	--	<0.005	<0.005
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	<0.005	<0.005
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	--	<0.1	--	<0.01	<0.01
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0001	<0.0001
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	--	<0.0001	<0.0001
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	<0.0001	<0.0001
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	--	<0.0002	--	<0.0001	<0.0001
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	--	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0001	<0.0001
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	--	<0.0005	<0.0005
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	--	<0.0001	<0.0001
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0001	<0.0001
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	--	<0.0001	<0.0001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	--	<0.004	--	<0.0005	<0.0005
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0001	<0.0001
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	--	<0.0001	<0.0001
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0002	<0.0002
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	--	<0.0001	<0.0001
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	--	0.0001	<0.0001
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	0.0007	<0.0005	--	0.0008	--	0.0003	0.0003
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	--	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	98-9S 5/23/2005	98-9S 9/27/2005	98-9S 5/18/2006	98-9S 9/28/2006	98-9S 5/11/2007	98-9S 5/11/2007 98-9S-FD (Field Duplicate)	98-9S 9/25/2007	98-9S 5/25/2008	98-9S 5/25/2008 98-9S-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	98-9S 9/28/2008	98-9S 6/2/2009 A-11	98-9S 9/10/2009 A-7
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	0.0007	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-10D 5/6/2002	99-10D 4/24/2003	99-10D 4/8/2004	99-10D 5/18/2005	99-10D 5/24/2006	99-10D 5/8/2007	99-10D 5/24/2008	99-10D 6/3/2009
											D-1
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-10M 5/6/2002	99-10M 4/24/2003	99-10M 4/8/2004	99-10M 5/18/2005	99-10M 5/24/2006	99-10M 5/8/2007	99-10M 5/24/2008	99-10M 6/3/2009
											D-2
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-10S 5/6/2002	99-10S 4/24/2003	99-10S 4/8/2004	99-10S 4/8/2004 99-10S-FD (Field Duplicate)	99-10S 5/18/2005	99-10S 5/24/2006	99-10S 5/8/2007	99-10S 5/24/2008	99-10S 6/3/2009
												D-3
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	99-11D 5/6/2002	99-11D 5/6/2002 99-11D-FD (Field Duplicate)	99-11D 4/22/2003	99-11D 4/12/2004	99-11D 5/18/2005	99-11D 5/24/2006	99-11D 5/8/2007	99-11D 5/24/2008	99-11D 6/3/2009
												D-13
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-11M 5/6/2002	99-11M 4/22/2003	99-11M 4/12/2004	99-11M 5/18/2005	99-11M 5/24/2006	99-11M 5/8/2007	99-11M 5/24/2008	99-11M 6/3/2009
											D-14
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-11S 5/6/2002	99-11S 4/22/2003	99-11S 4/12/2004	99-11S 4/12/2004 99-11S-FD (Field Duplicate)	99-11S 5/18/2005	99-11S 5/24/2006	99-11S 5/8/2007	99-11S 5/24/2008	99-11S 6/3/2009
												D-15
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-1D 5/15/2002	99-1D 9/17/2002	99-1D 4/30/2003	99-1D 9/22/2003	99-1D 4/14/2004	99-1D 9/25/2004	99-1D 5/25/2005	99-1D 9/29/2005	99-1D 6/4/2006
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	<0.005	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0002	<0.0002	<0.0006	<0.0006	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.005	<0.005	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	<0.005	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	<0.0005	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	<0.0001	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.0005	<0.0005	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Trichloroethene	mg/l	0.005	--	0.001	0.0004	0.0007	0.0008	0.0006	0.0009	0.0013	0.0011	0.0007
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-1D 6/4/2006 99-1D-FD (Field Duplicate)	99-1D 9/30/2006	99-1D 5/9/2007	99-1D 9/26/2007	99-1D 6/4/2008	99-1D 6/4/2008 99-1D-FD (Field Duplicate)	99-1D 9/29/2008	99-1D 6/5/2009 B-12	99-1D 9/11/2009 A-20
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0008	0.0009	0.0007	0.0011	0.0006	--	<0.0003	0.0017	0.0005
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-1M 5/15/2002	99-1M 9/17/2002	99-1M 4/30/2003	99-1M 9/22/2003	99-1M 4/14/2004	99-1M 9/25/2004	99-1M 5/25/2005	99-1M 9/29/2005	99-1M 5/30/2006
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	<0.005	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0002	<0.0002	<0.0006	<0.0006	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.005	<0.005	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	<0.005	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	<0.0005	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	<0.0001	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.0005	<0.0005	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Trichloroethene	mg/l	0.005	--	0.0005	0.0006	0.0005	0.0008	0.0003	0.0008	<0.0003	0.001	0.0005
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-1M 5/30/2006 99-1M-FD (Field Duplicate)	99-1M 9/30/2006	99-1M 5/9/2007	99-1M 9/26/2007	99-1M 6/4/2008	99-1M 6/4/2008 99-1M-FD (Field Duplicate)	99-1M 9/29/2008	99-1M 6/5/2009 B-14 (Field Duplicate)	99-1M 6/5/2009 B-13
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05	<0.05
Benzene	mg/l	0.005	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0008	0.0003	0.001	0.0005	--	<0.0003	0.0012	0.0011
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)- Health	(4) (3) ODWQS- AO	99-1M 9/11/2009 A-24
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	0.0005
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	99-1S 5/15/2002	99-1S 9/17/2002	99-1S 4/30/2003	99-1S 9/22/2003	99-1S 4/14/2004	99-1S 9/25/2004	99-1S 5/25/2005	99-1S 9/29/2005	99-1S 5/30/2006
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	<0.005	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0002	<0.0002	<0.0006	<0.0006	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.005	<0.005	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	<0.005	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	<0.0005	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	<0.0001	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.0005	<0.0005	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0001	<0.0001	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0001	<0.0001	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--	--	--
Trichloroethene	mg/l	0.005	--	0.0003	0.0005	<0.0003	0.0007	0.0003	0.0007	0.0007	0.0008	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-1S 9/30/2006	99-1S 5/9/2007	99-1S 9/26/2007	99-1S 6/4/2008	99-1S 6/4/2008 99-1S-FD (Field Duplicate)	99-1S 9/29/2008	99-1S 6/5/2009 B-15	99-1S 9/11/2009 A-25
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0012	0.0003	0.0009	0.0003	--	<0.0003	0.0011	0.0006
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-2D 5/10/2002	99-2D 5/10/2002 99-2D-FD (Field Duplicate)	99-2D 5/8/2003	99-2D 4/14/2004	99-2D 6/4/2006	99-2D 5/7/2007	99-2D 9/26/2007	99-2D 6/3/2008	99-2D 6/3/2008 99-2D-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	<0.0005	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	<0.0005	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	<0.0004	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0002	<0.0005	<0.0005	--	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	<0.0004	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	--	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	--	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	<0.001	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0001	<0.0004	0.0005	--	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	<0.0005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	<0.0005	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	<0.0003	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	<0.0004	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	--	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.005	<0.02	--	--	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.01	<0.1	--	--	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	--	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	--	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	<0.0004	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	<0.0005	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	<0.0005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0001	<0.0002	<0.0002	--	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.0002	<0.001	<0.001	--	<0.001	--
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	--	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.0005	<0.001	<0.001	--	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	0.0001	<0.0004	<0.0004	--	<0.0004	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	<0.0002	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	<0.0003	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	--	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.0001	<0.001	<0.001	--	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.0005	<0.004	<0.004	--	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0001	<0.0005	<0.0005	--	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	--	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	--	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0001	<0.0004	<0.0004	--	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	<0.0002	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0001	<0.0003	<0.0003	--	<0.0003	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0002	<0.0005	<0.0005	--	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	**0.0178**	--	**0.0141**	**0.0041**	0.0004	**0.0026**	--	**0.0037**	--

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	99-2D 6/8/2009 J-16	99-2D 6/8/2009 J-17 (Field Duplicate)
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	--
Benzene	mg/l	0.005	--	--	--
Bromodichloromethane	mg/l	--	--	--	--
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--
Chloroethane	mg/l	--	--	--	--
Chloroform	mg/l	--	--	--	--
Chloromethane	mg/l	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--
m,p-Xylenes	mg/l	--	--	--	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--
o-Xylene	mg/l	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--
Toluene	mg/l	--	0.024	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-2S 5/10/2002	99-2S 5/10/2002 99-2S-FD (Field Duplicate)	99-2S 5/8/2003	99-2S 5/8/2003 99-2S-FD (Field Duplicate)	99-2S 4/14/2004	99-2S 6/4/2006	99-2S 5/7/2007	99-2S 9/26/2007	99-2S 6/3/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	<0.0005	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	<0.0005	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	<0.0004	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	<0.0005	<0.0005	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	<0.0004	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	0.0002	<0.0004	<0.0004	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	0.0002	<0.0005	<0.0005	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	<0.001	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	<0.0005	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	<0.0005	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	<0.0003	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	<0.0004	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	<0.02	--	--	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	<0.1	--	--	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	--	0.0003	<0.0005	<0.0005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	--	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	<0.0004	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	<0.0005	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	<0.0005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	--	<0.0001	<0.0002	<0.0002	--	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	--	0.0007	<0.001	<0.001	--	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	--	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	<0.001	<0.001	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0032	--	0.0021	--	0.002	0.0023	0.0034	--	0.0026
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	<0.0002	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	<0.0003	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	0.0001	<0.0005	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	0.0001	<0.001	<0.001	--	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	<0.004	<0.004	--	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	0.0001	<0.0004	<0.0004	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	<0.0002	--	--
Trichloroethene	mg/l	0.005	--	0.0009	--	0.0007	--	0.0007	0.0007	0.001	--	0.0009
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	**0.25**	--	**0.135**	**0.251**	**0.226**	--	**0.226**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-2S 6/3/2008 99-2S-FD (Field Duplicate)	99-2S 6/8/2009 J-15
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--
Metyl Ethyl Ketone	mg/l	--	--	--	--
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	--
Benzene	mg/l	0.005	--	--	--
Bromodichloromethane	mg/l	--	--	--	--
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--
Chloroethane	mg/l	--	--	--	--
Chloroform	mg/l	--	--	--	--
Chloromethane	mg/l	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	--
m,p-Xylenes	mg/l	--	--	--	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--
o-Xylene	mg/l	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	--	--
Toluene	mg/l	--	0.024	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	--	--

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-3D 5/10/2002	99-3D 5/10/2002 99-3D-FD (Field Duplicate)	99-3D 9/17/2002	99-3D 5/3/2003	99-3D 5/3/2003 99-3D-FD (Field Duplicate)	99-3D 9/24/2003	99-3D 4/16/2004	99-3D 9/23/2004	99-3D 5/23/2005
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	--
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	--	<0.0006	<0.0002	<0.0002	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	--	<0.02	<0.005	<0.005	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	--	<0.1	<0.01	<0.01	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	--	<0.0002	<0.0001	<0.0001	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.0002	<0.0002	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.0005	<0.0005	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0221	--	0.0186	0.0308	--	0.0235	0.0254	0.0237	0.0246
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.0001	<0.0001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	--	<0.004	<0.0005	<0.0005	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0064**	--	<0.0005	**0.015**	--	**0.0118**	**0.0056**	**0.0063**	**0.0073**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-3D 9/29/2005	99-3D 5/19/2006	99-3D 9/28/2006	99-3D 5/10/2007	99-3D 9/25/2007	99-3D 5/25/2008	99-3D 5/25/2008 99-3D-FD (Field Duplicate)	99-3D 9/28/2008	99-3D 6/2/2009 A-9
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0359	0.0231	0.0304	0.0232	0.0228	0.0231	--	0.0234	0.0241
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	0.0007
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0239**	**0.013**	**0.0168**	**0.0094**	0.0002	**0.0057**	--	**0.0056**	**0.0134**

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	99-3D 9/10/2009 A-4
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0252
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	0.0019
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0210**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-3M 5/10/2002	99-3M 5/10/2002 99-3M-FD (Field Duplicate)	99-3M 9/17/2002	99-3M 5/3/2003	99-3M 5/3/2003 99-3M-FD (Field Duplicate)	99-3M 9/24/2003	99-3M 4/16/2004	99-3M 9/23/2004	99-3M 5/23/2005
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	--
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	--	<0.0006	<0.0002	<0.0002	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	--	<0.02	<0.005	<0.005	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	--	<0.1	<0.01	<0.01	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	--	<0.0002	<0.0001	<0.0001	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.0002	<0.0002	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.0005	<0.0005	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.0001	<0.0001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	--	<0.004	<0.0005	<0.0005	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-3M 9/29/2005	99-3M 5/19/2006	99-3M 9/28/2006	99-3M 5/10/2007	99-3M 9/25/2007	99-3M 5/25/2008	99-3M 5/25/2008 99-3M-FD (Field Duplicate)	99-3M 9/28/2008	99-3M 6/2/2009 A-2
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	0.0005
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	99-3M 6/2/2009 A-4 (Field Duplicate)	99-3M 9/10/2009 A-5
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0005	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-3S 5/10/2002	99-3S 5/10/2002 99-3S-FD (Field Duplicate)	99-3S 5/3/2003	99-3S 5/3/2003 99-3S-FD (Field Duplicate)	99-3S 4/16/2004	99-3S (8) 5/23/2005	99-3S (8) 9/25/2007	99-3S (8) 6/2/2009 99-3S	99-3S (8) 9/10/2009 99-3S
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	--	--	--	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	<0.0001	--	--	--	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	--	--	--	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	<0.0001	--	--	--	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	--	--	--	--
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	--	--	--	--
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	--	<0.0001	--	--	--	--
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	--	--	--	--
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	--	<0.0001	--	--	--	--
Chloroethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0002	--	--	--	--
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	--	--	--	--
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	--	--	--	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	--	--	--	--
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	--	--	--	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	--	--	--	--
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	--	--	--	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	--	--	--	--
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	<0.0002	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	--	--	--	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	--	<0.0001	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	--	--	--	--
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	--	<0.0002	--	--	--	--

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-4D 5/10/2002	99-4D 5/10/2002 99-4D-FD (Field Duplicate)	99-4D 9/17/2002	99-4D 5/3/2003	99-4D 5/3/2003 99-4D-FD (Field Duplicate)	99-4D 9/24/2003	99-4D 4/16/2004	99-4D 9/23/2004	99-4D 5/20/2005
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	--
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	--	<0.0006	<0.0002	<0.0002	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	--	<0.02	<0.005	<0.005	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	--
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	--	<0.1	<0.01	<0.01	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	--	<0.0002	<0.0001	<0.0001	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.0002	<0.0002	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.0005	<0.0005	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.0001	<0.0001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	--	<0.004	<0.0005	<0.0005	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-4D 9/29/2005	99-4D 5/18/2006	99-4D 9/28/2006	99-4D 5/10/2007	99-4D 9/25/2007	99-4D 5/25/2008	99-4D 5/25/2008 99-4D-FD (Field Duplicate)	99-4D 9/28/2008	99-4D 6/2/2009 A-7
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	0.0007
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	99-4D 9/10/2009 A-1
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-4M 5/10/2002	99-4M 5/10/2002 99-4M-FD (Field Duplicate)	99-4M 9/17/2002	99-4M 5/3/2003	99-4M 5/3/2003 99-4M-FD (Field Duplicate)	99-4M 9/24/2003	99-4M 4/16/2004	99-4M 4/16/2004 99-4M-FD (Field Duplicate)	99-4M 9/23/2004
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	<0.0006	--	<0.0006	<0.0002	<0.0002	<0.0002
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0001
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0001
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0001
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0001
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	<0.02	--	<0.02	<0.005	<0.005	<0.005
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005
Acetone	mg/l	--	--	<0.1	--	<0.1	<0.1	--	<0.1	<0.01	<0.01	<0.01
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0001
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0001
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.0001
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	--	<0.0002	<0.0001	<0.0001	<0.0001
Chloroethane	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0001
Chloromethane	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.0005	<0.0005	<0.0005
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0001
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0001
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	<0.001	--	<0.001	<0.0001	<0.0001	<0.0001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	<0.004	--	<0.004	<0.0005	<0.0005	<0.0005
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0001	<0.0001	<0.0001
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0001
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0002
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0004	<0.0001	<0.0001	<0.0001
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0002
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	--	<0.0003	<0.0001	<0.0001	<0.0001
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0002
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-4M 5/20/2005	99-4M 9/29/2005	99-4M 5/18/2006	99-4M 9/28/2006	99-4M 5/10/2007	99-4M 9/25/2007	99-4M 5/25/2008	99-4M 5/25/2008 99-4M-FD (Field Duplicate)	99-4M 9/28/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	99-4M 6/2/2009 A-6	99-4M 9/10/2009 A-2
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0007	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-4S 5/10/2002	99-4S 5/10/2002 99-4S-FD (Field Duplicate)	99-4S 5/3/2003	99-4S 5/3/2003 99-4S-FD (Field Duplicate)	99-4S 4/16/2004	99-4S 9/23/2004	99-4S 5/20/2005
Semi-VOCs										
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	<0.005	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--
VOCs										
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	<0.0002	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0001	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	<0.0001	<0.0001	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	<0.0001	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	<0.0001	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	<0.0001	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	<0.0001	<0.0001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	<0.005	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	<0.005	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	<0.01	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	<0.0005	--	<0.0001	<0.0001	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	<0.0001	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	<0.0005	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	<0.0001	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	--	<0.0001	<0.0001	<0.0002
Chloroethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0002	<0.0002	<0.001
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0001	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	<0.0005	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0001	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	<0.0001	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	<0.0001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	<0.0005	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0001	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	<0.0001	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	<0.0002	<0.0002	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	<0.0001	<0.0001	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	<0.0002	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	--	<0.0001	<0.0001	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	<0.0002	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	<0.0005	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)- Health	(4) (3) ODWQS- AO	99-4S 9/29/2005	99-4S 5/18/2006	99-4S 5/10/2007	99-4S (8) 9/25/2007	99-4S 6/2/2009 A-3	99-4S (8) 9/10/2009 99-4S
Semi-VOCs									
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--
VOCs									
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0005	<0.0005	--	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	--	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	--	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	--	<0.01	--
2-Hexanone	mg/l	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	--	<0.05	--
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	--	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	--	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	--	<0.0010	--
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	--	<0.0010	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	<0.0004	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	--	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	--	<0.0010	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	--	<0.0040	--
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	--	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	--	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	--	0.0005	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	<0.0002	--	<0.0002	--

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-5D 5/10/2002	99-5D 5/10/2002 99-5D-FD (Field Duplicate)	99-5D 5/3/2003	99-5D 5/3/2003 99-5D-FD (Field Duplicate)	99-5D 4/18/2004	99-5D 5/20/2005	99-5D 5/19/2006	99-5D 5/10/2007	99-5D 5/25/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	--	<0.0006	--	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	<0.0001	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	--	<0.02	--	<0.005	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	--	<0.005	--	--	--	--
Acetone	mg/l	--	--	<0.1	--	<0.1	--	<0.01	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	--	0.0009	--	0.0008	0.0008	<0.0005	<0.0005	0.0016
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	<0.0005	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	<0.0001	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	0.0005	--	0.0005	<0.0002	0.0003	<0.0002	0.0006
Chloroethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0002	<0.001	<0.001	<0.001	0.0014
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	--	<0.001	--	<0.0005	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0258	--	0.0022	--	0.0018	0.001	0.0007	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	--	<0.001	--	<0.0001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	--	<0.004	--	<0.0005	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	0.0013	--	<0.0004	--	0.0002	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	<0.0002	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	--	**0.089**	--	**0.0583**	**0.0279**	**0.0122**	0.0017	**0.0098**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-5D 5/25/2008 99-5D-FD (Field Duplicate)	99-5D 6/2/2009 A-5
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.05
Benzene	mg/l	0.005	--	--	0.0008
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.0010
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0014
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0005
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	**0.0108**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-5M 5/10/2002	99-5M 5/10/2002 99-5M-FD (Field Duplicate)	99-5M 5/3/2003	99-5M 4/18/2004	99-5M 5/20/2005	99-5M 5/19/2006	99-5M 5/10/2007	99-5M 5/25/2008	99-5M 5/25/2008 99-5M-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	--
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	--
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	--
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	--
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	--
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	0.0118	0.0053	0.0039	0.0042	0.0014	0.0022	--
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	--
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	--
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	0.0009	0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	0.0001	<0.0003	<0.0003	<0.0003	<0.0003	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	**0.177**	**0.079**	**0.0201**	**0.0343**	**0.0033**	**0.0083**	--

Parameter	Unit	(2) (1) ODWQS(169/03)- Health	(4) (3) ODWQS- AO	99-5M 6/2/2009 A-8
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0102
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	0.0006
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0435**

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-5S 5/10/2002	99-5S 5/3/2003	99-5S 5/3/2003 99-5S-FD (Field Duplicate)	99-5S 4/18/2004	99-5S 5/20/2005	99-5S 5/19/2006	99-5S 5/10/2007	99-5S 5/10/2007 99-5S-FD (Field Duplicate)	99-5S 5/25/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	--	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	--	<0.005	<0.02	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	--	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	0.0017	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	--	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	--	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	--	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	0.0029	<0.0004	--	0.0002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	--	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	--	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	--	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	--	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	--	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	--	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	--	0.0002	<0.0002	<0.0002	0.0003	0.0003	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-5S 5/25/2008 99-5S-FD (Field Duplicate)	99-5S 6/2/2009 A-1
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.05
Benzene	mg/l	0.005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002
Chloroethane	mg/l	--	--	--	<0.0010
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	0.0006
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	99-6D 5/15/2002	99-6D 9/17/2002	99-6D 4/30/2003	99-6D 4/14/2004	99-6D 5/25/2005	99-6D 6/4/2006	99-6D 5/9/2007	99-6D 6/4/2008	99-6D 6/5/2009
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	16	<0.02	0.03	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	0.2	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-6M 5/15/2002	99-6M 5/15/2002 99-6M-FD (Field Duplicate)	99-6M 4/30/2003	99-6M 4/14/2004	99-6M 5/25/2005	99-6M 5/30/2006	99-6M 5/9/2007	99-6M 6/4/2008	99-6M 6/5/2009
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	0.0007	0.0006	0.0008	0.0004	0.0007	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0379	0.0367	0.0339	0.028	0.0231	0.0004	<0.0004	0.019	0.0089
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	0.0137	0.0131	0.0137	0.0084	0.0085	<0.0004	0.0052	0.009	0.0043
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	**0.0093**	**0.0089**	**0.0065**	0.0031	0.0019	<0.0003	0.0009	0.0017	0.0012
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	**0.0025**	**0.0028**	**0.0026**	0.001	<0.0002	<0.0002	0.0009	0.0013	0.0005

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-6S 5/15/2002	99-6S 4/30/2003	99-6S 4/14/2004	99-6S 5/25/2005	99-6S 5/30/2006	99-6S 5/9/2007	99-6S 5/9/2007 99-6S-FD (Field Duplicate)	99-6S 6/4/2008	99-6S 6/5/2009
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0012	<0.0004	0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-7D 5/6/2002	99-7D 4/24/2003	99-7D 4/8/2004	99-7D 5/18/2005	99-7D 6/6/2006	99-7D 5/8/2007	99-7D 5/24/2008	99-7D 6/3/2009
											D-4
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	0.0012
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-7M 5/6/2002	99-7M 4/24/2003	99-7M 4/8/2004	99-7M 5/18/2005	99-7M 6/6/2006	99-7M 5/8/2007	99-7M 5/24/2008	99-7M 6/3/2009
											D-5
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-7S 5/6/2002	99-7S 4/24/2003	99-7S 4/8/2004	99-7S 5/18/2005	99-7S 5/24/2006	99-7S 5/24/2006 99-7S-FD (Field Duplicate)	99-7S 5/8/2007	99-7S 5/24/2008	99-7S 6/3/2009 D-6
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-8D 5/13/2002	99-8D 4/24/2003	99-8D 4/8/2004	99-8D 4/8/2004 99-8D-FD (Field Duplicate)	99-8D 5/18/2005	99-8D 5/24/2006	99-8D 5/8/2007	99-8D 5/24/2008	99-8D 6/3/2009
Semi-VOCs												D-7
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	--	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	--	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	--	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	--	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	--	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	--	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	--	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-8S 5/13/2002	99-8S 4/24/2003	99-8S 4/8/2004	99-8S 5/18/2005	99-8S 5/18/2005 99-8S-FD (Field Duplicate)	99-8S 5/24/2006	99-8S 5/8/2007	99-8S 5/8/2007 99-8S-FD (Field Duplicate)	99-8S 5/24/2008
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	99-8S 6/3/2009 D-8	99-8S 6/3/2009 D-9 (Field Duplicate)
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-9D 5/6/2002	99-9D 4/24/2003	99-9D 4/8/2004	99-9D 5/18/2005	99-9D 5/24/2006	99-9D 5/8/2007	99-9D 5/24/2008	99-9D 6/3/2009
											D-10
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-9M 5/6/2002	99-9M 4/24/2003	99-9M 4/8/2004	99-9M 5/18/2005	99-9M 5/24/2006	99-9M 5/8/2007	99-9M 5/24/2008	99-9M 6/3/2009
											D-11
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-9S 5/6/2002	99-9S 4/24/2003	99-9S 4/24/2003 99-9S-FD (Field Duplicate)	99-9S 4/8/2004	99-9S 5/18/2005	99-9S 5/24/2006	99-9S 5/8/2007	99-9S 5/24/2008	99-9S 5/24/2008 99-9S-FD (Field Duplicate)
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.02
2-Hexanone	mg/l	--	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	99-9S 6/3/2009 D-12
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	LEACHATE 5/15/2002	LEACHATE 9/17/2002	LEACHATE 5/8/2003	LEACHATE 5/8/2003 LEACHATE-FD (Field Duplicate)	LEACHATE 9/23/2003	LEACHATE 9/23/2003 LEACHATE-FD (Field Duplicate)	LEACHATE 4/14/2004	LEACHATE 9/25/2004	LEACHATE 5/30/2005
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.02	--
Styrene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0004	<0.0005
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0004	<0.0006
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0004	<0.0004
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	--	<0.0006	--	<0.0002	<0.0008	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0008	<0.0004
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	<0.0004	--	0.0001	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0001	<0.0004	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0008	<0.001
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0004	<0.0005
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0004	<0.0007
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	<0.0003
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	<0.0001	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	0.0004	0.0005	<0.0004	--	0.0007	--	0.0003	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	--	<0.02	--	<0.005	<0.02	--
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	<0.005	<0.02	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	--	<0.1	--	<0.01	<0.04	--
Benzene	mg/l	0.005	--	<0.0005	0.0022	<0.0005	--	0.0021	--	0.0003	0.0006	0.0006
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	--	<0.0003	--	<0.0001	<0.0004	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0008	<0.0004
Bromomethane	mg/l	--	--	--	--	--	--	--	--	<0.0005	<0.002	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	<0.0001	<0.0004	<0.0005
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	--	0.0012	--	0.0007	0.0009	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	--	<0.001	--	0.0003	<0.0008	<0.001
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	<0.0001	<0.0004	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	--	<0.001	--	<0.0005	<0.002	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0008	<0.0002
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0008	<0.0003
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	--	<0.0005	--	0.0004	<0.0004	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	--	<0.001	--	0.0012	<0.0004	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0008	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	--	<0.004	--	<0.0005	<0.002	<0.004
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	0.0003	<0.0004	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	--	<0.0003	--	<0.0001	<0.0004	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	--	<0.0005	--	0.0026	0.0009	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	<0.0004	--	<0.0001	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	<0.0002	<0.0008	<0.0002
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	--	<0.0003	--	<0.0001	<0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	0.0002	<0.0008	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0005	--	<0.0005	--	0.0001	<0.0008	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	LEACHATE 5/30/2005 LEACHATE-FD (Field Duplicate)	LEACHATE 9/28/2005
Semi-VOCs					
Methyl Isobutyl Ketone	mg/l	--	--	--	--
Styrene	mg/l	--	--	--	--
VOCs					
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0006
1,1,2-Trichloroethane	mg/l	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	--	<0.02
2-Hexanone	mg/l	--	--	--	--
Acetone	mg/l	--	--	--	<0.1
Benzene	mg/l	0.005	--	--	0.0011
Bromodichloromethane	mg/l	--	--	--	<0.0003
Bromoform	mg/l	--	--	--	--
Bromomethane	mg/l	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	0.001
Chloroethane	mg/l	--	--	--	<0.001
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.001
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.001
Methyl tert-Butyl Ether	mg/l	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.004
o-Xylene	mg/l	--	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	--	<0.0003
Toluene	mg/l	--	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	--	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	LEACHATE 6/6/2006	LEACHATE 9/30/2006	LEACHATE 5/14/2007	LEACHATE 9/26/2007	LEACHATE 5/27/2008	LEACHATE 5/27/2008 LEACHATE-FD (Field Duplicate)	LEACHATE 9/29/2008	LEACHATE 6/8/2009 J-18	LEACHATE 9/11/2009 B-3
Semi-VOCs												
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/l	--	--	--	--	--	--	--	--	--	--	--
VOCs												
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	0.0006	<0.0004	0.0008	<0.0004	0.0005	--	0.001	0.0006	0.0005
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.01	<0.01
2-Hexanone	mg/l	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.05	<0.05
Benzene	mg/l	0.005	--	<0.0005	0.0005	0.0011	0.0014	0.0007	--	0.0025	<0.0005	0.0020
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	0.0002	0.0003	0.0012	0.0005	0.0007	--	0.002	0.0003	0.0008
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	0.0031	<0.0010	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.0010	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.004	<0.004	--	<0.004	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	LEACHATE 9/11/2009 B-4 (Field Duplicate)
Semi-VOCs				
Methyl Isobutyl Ketone	mg/l	--	--	--
Styrene	mg/l	--	--	--
VOCs				
1,1,1,2-Tetrachloroethane	mg/l	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dibromoethane	mg/l	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--
1,2-Dichloropropane	mg/l	--	--	--
1,3,5-Trimethylbenzene	mg/l	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	0.0005
Metyl Ethyl Ketone	mg/l	--	--	<0.01
2-Hexanone	mg/l	--	--	--
Acetone	mg/l	--	--	<0.05
Benzene	mg/l	0.005	--	0.0009
Bromodichloromethane	mg/l	--	--	<0.0003
Bromoform	mg/l	--	--	--
Bromomethane	mg/l	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--
Chlorobenzene	mg/l	0.08	0.03	0.0007
Chloroethane	mg/l	--	--	<0.0010
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004
cis-1,3-Dichloropropene	mg/l	--	--	--
Dibromochloromethane	mg/l	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003
Toluene	mg/l	--	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	MW-2D 5/7/2002	MW-2D 4/30/2003	MW-2D 4/12/2004	MW-2D 5/15/2005	MW-2D 5/30/2006	MW-2D 5/9/2007	MW-2D 5/27/2008	MW-2D 6/8/2009
											J-6
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.0021	0.0016	0.0017	0.0017	0.001	0.0014	0.0014	0.0011
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0041	0.0036	0.0048	0.0044	0.0044	0.0042	0.0043	0.0049
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	MW-2M 5/7/2002	MW-2M 4/30/2003	MW-2M 4/12/2004	MW-2M 5/15/2005	MW-2M 5/30/2006	MW-2M 5/9/2007	MW-2M 5/27/2008	MW-2M 6/8/2009
											J-7
Semi-VOCs											
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Styrene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
VOCs											
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	0.0002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.01
2-Hexanone	mg/l	--	--	--	--	<0.005	--	--	--	--	--
Acetone	mg/l	--	--	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.05
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Bromoform	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Bromomethane	mg/l	--	--	--	--	<0.0005	--	--	--	--	--
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.0010
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0010
cis-1,2-Dichloroethene	mg/l	--	--	0.001	0.0008	0.0008	0.0009	0.0009	0.0013	0.0014	0.0015
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Dibromochloromethane	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0010
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005	<0.004	<0.004	<0.004	<0.004	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	0.0016	0.0013	0.0018	0.0015	0.0014	0.0017	0.0016	0.0017
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	(2) (1) ODWQS(169/03)-Health	(4) (3) ODWQS-AO	MW-3D 5/7/2002	MW-3D 5/7/2002 MW-3D-FD (Field Duplicate)	MW-3D 4/30/2003	MW-3D 4/12/2004
Semi-VOCs							
Methyl Isobutyl Ketone	mg/l	--	--	--	--	--	<0.005
Styrene	mg/l	--	--	--	--	--	<0.0001
VOCs							
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0001
1,1,1-Trichloroethane	mg/l	--	--	--	--	--	<0.0001
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0006	<0.0002
1,1,2-Trichloroethane	mg/l	--	--	--	--	--	<0.0002
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0001
1,2-Dibromoethane	mg/l	--	--	--	--	--	<0.0002
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0001
1,2-Dichloroethane	mg/l	0.005	--	--	--	--	<0.0001
1,2-Dichloropropane	mg/l	--	--	--	--	--	<0.0001
1,3-Dichlorobenzene	mg/l	--	--	--	--	--	<0.0001
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0001
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.02	<0.005
2-Hexanone	mg/l	--	--	--	--	--	<0.005
Acetone	mg/l	--	--	<0.1	<0.1	<0.1	<0.01
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0005	<0.0001
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0001
Bromoform	mg/l	--	--	--	--	--	<0.0002
Bromomethane	mg/l	--	--	--	--	--	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	--	--	<0.0001
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0001
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.001	<0.0005
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0029	<0.0004	0.0003
cis-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002
Dibromochloromethane	mg/l	--	--	--	--	--	<0.0002
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0005	<0.0001
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.001	<0.0001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	--	<0.0002
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.004	<0.0005
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0001
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	<0.0003	<0.0001
Toluene	mg/l	--	0.024	0.0005	<0.0005	<0.0005	<0.0002
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0001
trans-1,3-Dichloropropene	mg/l	--	--	--	--	--	<0.0002
Trichloroethene	mg/l	0.005	--	0.0009	**0.0074**	0.0004	0.0013
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0002
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0005	<0.0002

Parameter	Unit	[2] [1] ODWQS(169/03)-Health	[4] [3] ODWQS-AO	MW-3M 5/7/2002	MW-3M 4/30/2003	MW-3M 4/12/2004
Semi-VOCs						
Methyl Isobutyl Ketone	mg/l	--	--	--	--	<0.005
Styrene	mg/l	--	--	--	--	<0.0001
VOCs						
1,1,1,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0001
1,1,1-Trichloroethane	mg/l	--	--	--	--	<0.0001
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0006	<0.0006	<0.0002
1,1,2-Trichloroethane	mg/l	--	--	--	--	<0.0002
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	0.0002
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0001
1,2-Dibromoethane	mg/l	--	--	--	--	<0.0002
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0001
1,2-Dichloroethane	mg/l	0.005	--	--	--	<0.0001
1,2-Dichloropropane	mg/l	--	--	--	--	<0.0001
1,3-Dichlorobenzene	mg/l	--	--	--	--	<0.0001
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0001
Metyl Ethyl Ketone	mg/l	--	--	<0.02	<0.02	<0.005
2-Hexanone	mg/l	--	--	--	--	<0.005
Acetone	mg/l	--	--	<0.1	<0.1	<0.01
Benzene	mg/l	0.005	--	<0.0005	<0.0005	<0.0001
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0001
Bromoform	mg/l	--	--	--	--	<0.0002
Bromomethane	mg/l	--	--	--	--	<0.0005
Carbon Tetrachloride	mg/l	0.005	--	--	--	<0.0001
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0001
Chloroethane	mg/l	--	--	<0.001	<0.001	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0001
Chloromethane	mg/l	--	--	<0.001	<0.001	<0.0005
cis-1,2-Dichloroethene	mg/l	--	--	0.0031	0.0024	0.0025
cis-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002
Dibromochloromethane	mg/l	--	--	--	--	<0.0002
Ethylbenzene	mg/l	--	0.0024	<0.0005	<0.0005	<0.0001
m,p-Xylenes	mg/l	--	--	<0.001	<0.001	<0.0001
Methyl tert-Butyl Ether	mg/l	--	--	--	--	<0.0002
Methylene Chloride	mg/l	0.05	--	<0.004	<0.004	<0.0005
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0001
Tetrachloroethylene	mg/l	0.03	--	<0.0003	<0.0003	0.0001
Toluene	mg/l	--	0.024	<0.0005	<0.0005	<0.0002
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	0.0001
trans-1,3-Dichloropropene	mg/l	--	--	--	--	<0.0002
Trichloroethene	mg/l	0.005	--	**0.0074**	**0.0063**	**0.0112**
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0002
Vinyl Chloride	mg/l	0.002	--	<0.0005	<0.0005	<0.0002

Footnotes:

Tables should be read in conjunction with the accompanying document.
< value = Indicates parameter not detected above laboratory method detection limit
> value = Indicates parameter detected above equipment analytical range
-- Chemical not analyzed or criteria not defined
(1) Ontario Drinking Water Quality Standards - Health Based Standards
(2) Bold = Parameter concentration greater than ODWQS(169/03)-Health
(3) Ontario Drinking Water Quality Standards - Aesthetic Objectives. Aesthetic Objectives are established for parameters that may impair the taste, odour or colour of water or which may interfere with good water quality control practices. For certain parameters, both aesthetic objectives and health-related MACs have been derived.
(4) Underline = Parameter concentration greater than ODWQS-AO
(5) Ontario Drinking Water Quality Standards - Operational Guidelines. Operational Guidelines are established for parameters that, if not controlled, may negatively affect the efficient and effective treatment, disinfection and distribution of the water.
(6) Italic = Parameter concentration greater than ODWQS-OG
(7) Monitoring location was damaged and could not be sampled.
(8) Monitoring location was dry during this sampling event. No sample was collected.

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Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	00-1D 05-May-2010 T-12	00-1D 05-May-2011 [3] G-1	00-1D 28-May-2012 00-1D	00-1D 11-Jun-2013 B - 33	00-1D 23-May-2014 00-1D	00-1D 11-Jun-2015 00-1D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	00-1M 05-May-2010 T-10	00-1M 05-May-2011 [3] G-2	00-1M 28-May-2012 00-1M	00-1M 11-Jun-2013 B - 34	00-1M 23-May-2014 00-1M	00-1M 11-Jun-2015 00-1M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	0.0005	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	00-1S 05-May-2010 T-11	00-1S 05-May-2011 [3] G-3	00-1S 28-May-2012 00-1S	00-1S 11-Jun-2013 B - 35	00-1S 23-May-2014 00-1S	00-1S 11-Jun-2015 00-1S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	0.0008	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	00-2D 05-May-2010 T-13	00-2D 05-May-2011 [3] G-4	00-2D 28-May-2012 00-2D	00-2D 11-Jun-2013 B - 38	00-2D 23-May-2014 00-2D	00-2D 02-Jun-2015 00-2d
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0017	<0.0008	<0.0004	<0.0004	<0.0004	0.0018
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0006	<0.0006	0.0005	0.0008	<0.0003	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	00-2M 05-May-2010 T-14	00-2M 05-May-2011 [3] G-5	00-2M 28-May-2012 00-2M	00-2M 11-Jun-2013 B - 39	00-2M 23-May-2014 00-2M	00-2M 02-Jun-2015 00-2m
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	0.0011
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	0.0008	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	00-2S 05-May-2010 T-15	00-2S 05-May-2011 [3] G-6	00-2S 28-May-2012 00-2S	00-2S 11-Jun-2013 B - 40	00-2S 23-May-2014 00-2S	00-2S 02-Jun-2015 00-2s
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	00-3 27-May-2010 B-5	00-3 27-Jun-2011 00-3	00-3 22-Nov-2012 S-1	00-3 07-Jun-2013 B - 16	00-3 17-Jun-2014 00-3	00-3 02-Jun-2015 00-3
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0023	<0.0004	0.0025	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	0.0003	0.0004	0.0004	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	0.0006	0.0004	0.0004	0.0004	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	90-3D 27-May-2010 B-4	90-3D 10-May-2011 A-10	90-3D 24-May-2012 90-3D	90-3D 05-Jun-2013 S-33	90-3D 18-Jun-2014 90-3D	90-3D 03-Jun-2015 90-3d
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.00916**	**0.0063**	**0.0043**	**0.0028**	**0.0048**	**0.0069**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-2D 13-May-2010 [14] B-8	91-2D 06-May-2011 [15] L-8	91-2D 28-May-2012 91-2D	91-2D 05-Jun-2013 S-29	91-2D 17-Jun-2014 91-2D	91-2D 02-Jun-2015 91-2d
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.1	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.002	<0.0005	0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.002	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0050	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0050	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.002	0.0023	<0.0004	0.0023	<0.0004	0.0020
Ethylbenzene	mg/l	0.14	0.0016	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0050	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.02	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.002	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.002	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.001	**0.0237**	**0.0157**	**0.0267**	**0.0143**	**0.0221**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-2M 13-May-2010 B-9	91-2M 06-May-2011 [9] L-7	91-2M 28-May-2012 [12] 91-2M	91-2M 05-Jun-2013 [16] S-30	91-2M 17-Jun-2014 91-2M	91-2M 03-Jun-2015 91-2m
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	0.0013	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	0.0014	<0.0004	0.0024
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0322**	0.0008	**0.0171**	**0.0102**	**0.0043**	**0.0195**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-3D 11-May-2010 A-3	91-3D 10-May-2011 A-2	91-3D 24-May-2012 91-3D	91-3D 06-Jun-2013 S-47	91-3D 30-May-2014 91-3D	91-3D 28-May-2015 91-3D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	0.0003	0.0002	0.0002	0.0003
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	0.0046
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0007	0.0025	0.0023	<0.0004	0.0036
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0015**	**0.0032**	**0.0418**	**0.0343**	**0.0378**	**0.0615**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-3M 11-May-2010 A-12	91-3M 10-May-2011 A-3	91-3M 24-May-2012 91-3M	91-3M 06-Jun-2013 [17] S-48	91-3M 30-May-2014 91-3M	91-3M 28-May-2015 91-3M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	0.0036	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0028	<0.0004	0.0011	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	0.0005	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0217**	**0.0449**	**0.0127**	**0.0213**	**0.0018**	**0.0018**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-5D 11-May-2010 A-10	91-5D 10-May-2011 A-14	91-5D 24-May-2012 91-5D	91-5D 06-Jun-2013 S-50	91-5D 29-May-2014 91-5D	91-5D 28-May-2015 91-5D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	0.0006	0.0004	0.0003	0.0003	0.0004
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0069	<0.0004	0.0005	<0.0004	0.0006
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0011	0.0025	0.0012	0.0012	0.0016	0.0012
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0050**	**0.0088**	0.0010	<0.0002	**0.0101**	0.0003

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-5S 11-May-2010 A-1	91-5S 10-May-2011 A-12	91-5S 24-May-2012 91-5S	91-5S 06-Jun-2013 S-51	91-5S 29-May-2014 91-5S	91-5S 28-May-2015 91-5S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	0.0005	0.0004	0.0003	0.0004	0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0014	0.0010	<0.0004	0.0005	<0.0004	0.0052
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0009	0.0016	0.0018	0.0012	0.0015	0.0018
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	0.0004	**0.0104**	<0.0002	0.0003	**0.0061**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-6D 11-May-2010 A-11	91-6D 10-May-2011 A-1	91-6D 24-May-2012 91-6D	91-6D 05-Jun-2013 S-39	91-6D 30-May-2014 91-6D	91-6D 28-May-2015 91-6D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0009	0.0006	**0.0019**	<0.0002	**0.0018**	**0.0018**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-6S 11-May-2010 A-15	91-6S 10-May-2011 [9] A-17	91-6S 24-May-2012 [19] 91-6M	91-6S 05-Jun-2013 S-40	91-6S 30-May-2014 91-6S	91-6S 28-May-2015 [20] 91-6S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--	<0.01
Acetone	mg/l	--	--	--	--	--	--	--	<0.03
Benzene	mg/l	0.001	--	--	--	--	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	--	--	<0.0003
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--	<0.0002
Chloroethane	mg/l	--	--	--	--	--	--	--	<0.0002
Chloroform	mg/l	--	--	--	--	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	--	--	--	--	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	--	--	--	--	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	--	--	<0.0004
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--	<0.0040
o-Xylene	mg/l	--	--	--	--	--	--	--	<0.0004
Tetrachloroethylene	mg/l	0.01	--	--	--	--	--	--	<0.0003
Toluene	mg/l	0.06	0.024	--	--	--	--	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--	<0.0004
Trichloroethene	mg/l	0.005	--	--	--	--	--	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.001	--	--	--	--	--	--	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-7D 11-May-2010 A-5	91-7D 10-May-2011 A-8	91-7D 24-May-2012 91-7D	91-7D 05-Jun-2013 S-41	91-7D 17-Jun-2014 91-7D	91-7D 28-May-2015 91-7D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-7S 11-May-2010 A-13	91-7S 10-May-2011 A-9	91-7S 24-May-2012 91-7S	91-7S 05-Jun-2013 S-43	91-7S 17-Jun-2014 91-7S	91-7S 28-May-2015 91-7S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0008	<0.0004	<0.0004	<0.0004	0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	0.0004	<0.0003	<0.0003	<0.0003	0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0004	**0.0028**	**0.0014**	0.0006	**0.0015**	0.0010

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-10D 13-May-2010 B-3	91-10D 10-May-2011 [9] A-15	91-10D 24-May-2012 [10] 91-10D	91-10D 06-Jun-2013 S-54	91-10D 29-May-2014 91-10D	91-10D 03-Jun-2015 91-10d
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0012	0.0012	<0.0004	0.0010	<0.0004	0.0018
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.0005
Trichloroethene	mg/l	0.005	--	**0.0075**	**0.0089**	0.0043	0.0042	**0.0067**	**0.0088**
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	0.0007	0.0004	0.0006	0.0005	0.0009

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	91-10M 13-May-2010 B-2	91-10M 10-May-2011 [11] A-16	91-10M 24-May-2012 [12] 91-10M	91-10M 06-Jun-2013 [13] S-55	91-10M 29-May-2014 91-10M	91-10M 03-Jun-2015 91-10m
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	0.0007	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0009	<0.0004	0.0006	<0.0004	0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	0.0009	<0.0004
Trichloroethene	mg/l	0.005	--	0.0017	0.0032	0.0013	0.0007	0.0032	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0019**	**0.0020**	**0.0012**	0.0005	**0.0016**	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-2D 10-May-2010 M-11	93-2D 31-Aug-2010 B-14	93-2D 09-May-2011 M-12	93-2D 02-Sep-2011 B-1	93-2D 24-May-2012 93-2D	93-2D 27-Aug-2012 93-2D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	0.0002	0.0003	0.0003

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-2D 04-Jun-2013 S-26	93-2D 05-Sep-2013 B-5	93-2D 17-Jun-2014 93-2D	93-2D 03-Sep-2014 [22] S - 1	93-2D 28-May-2015 93-2D	93-2D 16-Sep-2015 93-2D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-2M 10-May-2010 M-13	93-2M 31-Aug-2010 B-15	93-2M 09-May-2011 M-11	93-2M 02-Sep-2011 B-2	93-2M 24-May-2012 93-2M	93-2M 27-Aug-2012 93-2M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-2M 04-Jun-2013 S-24	93-2M 06-Sep-2013 S-6	93-2M 30-May-2014 95-2M	93-2M 03-Sep-2014 S - 3	93-2M 28-May-2015 93-2M	93-2M 16-Sep-2015 93-2M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-2S 10-May-2010 M-20	93-2S 31-Aug-2010 B-16	93-2S 09-May-2011 M-10	93-2S 02-Sep-2011 B-3	93-2S 24-May-2012 93-2S	93-2S 27-Aug-2012 93-2S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-2S 04-Jun-2013 S-23	93-2S 06-Sep-2013 S-7	93-2S 30-May-2014 93-2S	93-2S 03-Sep-2014 S - 4	93-2S 28-May-2015 93-2S	93-2S 16-Sep-2015 93-2S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-3D 10-May-2010 M-17	93-3D 10-May-2011 A-5	93-3D 24-May-2012 [18] 93-3D	93-3D 05-Jun-2013 S-35	93-3D 30-May-2014 93-3D	93-3D 28-May-2015 93-3D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-3S 10-May-2010 M-19	93-3S 10-May-2011 A-7	93-3S 24-May-2012 93-3S	93-3S 05-Jun-2013 S-36	93-3S 30-May-2014 93-3S	93-3S 28-May-2015 93-3S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-4D 11-May-2010 A-8	93-4D 31-Aug-2010 B-17	93-4D 06-May-2011 L-27	93-4D 02-Sep-2011 B-17	93-4D 24-May-2012 93-4D	93-4D 23-Aug-2012 93-4D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-4D 05-Jun-2013 S-37	93-4D 05-Sep-2013 B-6	93-4D 30-May-2014 93-4D	93-4D 03-Sep-2014 [22] S - 5	93-4D 28-May-2015 93-4D	93-4D 16-Sep-2015 93-4D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-4S 11-May-2010 A-7	93-4S 31-Aug-2010 B-18	93-4S 06-May-2011 L-28	93-4S 02-Sep-2011 B-18	93-4S 24-May-2012 93-4S	93-4S 23-Aug-2012 93-4S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-4S 05-Jun-2013 S-38	93-4S 06-Sep-2013 S-8	93-4S 30-May-2014 93-4S	93-4S 03-Sep-2014 S - 6	93-4S 28-May-2015 93-4S	93-4S 22-Sep-2015 93-4S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-5D 10-May-2010 M-7	93-5D 31-Aug-2010 B-9	93-5D 09-May-2011 M-2	93-5D 02-Sep-2011 B-15	93-5D 23-May-2012 93-5D	93-5D 23-Aug-2012 93-5D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	0.0003	<0.0002	0.0004	0.0004	0.0006
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0006	<0.0004	0.0006	0.0006	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0005	0.0012	<0.0003	0.0008	0.0008	0.0008
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0005	<0.0002	<0.0002	**0.0029**	0.0004	**0.0018**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-5D 04-Jun-2013 S-13	93-5D 05-Sep-2013 B-9	93-5D 30-May-2014 93-5D	93-5D 03-Sep-2014 [22] S - 18	93-5D 28-May-2015 93-5D	93-5D 16-Sep-2015 93-5D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0005	<0.0004	<0.0004	<0.0004	0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0005	0.0005	0.0005	0.0007	0.0006	0.0009
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0011**	0.0009	0.0003	0.0004	0.0002	**0.0025**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-5S 10-May-2010 M-15	93-5S 31-Aug-2010 B-10	93-5S 09-May-2011 M-3	93-5S 02-Sep-2011 B-16	93-5S 23-May-2012 93-5S	93-5S 23-Aug-2012 93-5S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	0.0006	<0.0005	0.0009	<0.0005	0.0006
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	0.0004	<0.0002	0.0011	0.0007	0.0022
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0008	<0.0004	0.0008	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0003	0.0018	<0.0003	0.0012	0.0012	0.0010
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0003	<0.0002	0.0008	**0.0062**	**0.0037**	**0.0030**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-5S 04-Jun-2013 S-14	93-5S 05-Sep-2013 B-8	93-5S 30-May-2014 93-5S	93-5S 03-Sep-2014 [22] S - 19	93-5S 28-May-2015 93-5S	93-5S 16-Sep-2015 93-5S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0003	0.0005	0.0006	0.0005	0.0012	0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0007	<0.0004	0.0007	0.0010	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0007	0.0012	0.0012	0.0014	0.0018	0.0012
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0010	**0.0054**	0.0008	**0.0022**	**0.0116**	**0.0052**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-8D 10-May-2010 M-14	93-8D 31-Aug-2010 B-11	93-8D 09-May-2011 L-15	93-8D 02-Sep-2011 B-4	93-8D 24-May-2012 93-8D	93-8D 23-Aug-2012 93-8D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	**0.0013**	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	0.0003	0.0003	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-8D 06-Jun-2013 S-44	93-8D 05-Sep-2013 B-7	93-8D 17-Jun-2014 93-8D	93-8D 03-Sep-2014 [22] S - 7	93-8D 28-May-2015 93-8D	93-8D 16-Sep-2015 93-8D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	0.0003	0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-8M 10-May-2010 M-16	93-8M 31-Aug-2010 B-12	93-8M 09-May-2011 L-16	93-8M 02-Sep-2011 B-5	93-8M 24-May-2012 93-8M	93-8M 23-Aug-2012 93-8M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-8M 06-Jun-2013 S-45	93-8M 06-Sep-2013 S-9	93-8M 17-Jun-2014 93-8M	93-8M 03-Sep-2014 S - 8	93-8M 28-May-2015 93-8M	93-8M 16-Sep-2015 93-8M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-8S 10-May-2010 M-12	93-8S 31-Aug-2010 B-13	93-8S 09-May-2011 M-8	93-8S 02-Sep-2011 B-6	93-8S 24-May-2012 93-8S	93-8S 23-Aug-2012 93-8S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	93-8S 06-Jun-2013 S-46	93-8S 06-Sep-2013 S-10	93-8S 17-Jun-2014 93-8S	93-8S 03-Sep-2014 S - 9	93-8S 28-May-2015 93-8S	93-8S 16-Sep-2015 93-8S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	0.0004	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-2D 13-May-2010 A-22	98-2D 10-May-2011 A-19	98-2D 24-May-2012 98-2D	98-2D 06-Jun-2013 S-53	98-2D 29-May-2014 98-2D	98-2D 03-Jun-2015 98-2d
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	0.0007	0.0010	0.0010	**0.0015**
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	0.0002	0.0003	0.0004	0.0010
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	0.0009	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0073	0.0078	0.0055	<0.0004	0.0024
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	**0.0129**	**0.0415**	**0.0482**	**0.0594**	**0.175**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-3D 10-May-2010 M-1	98-3D 06-May-2011 L-22	98-3D 23-May-2012 98-3D	98-3D 04-Jun-2013 S-17	98-3D 29-May-2014 98-3D	98-3D 27-May-2015 98-3D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	0.0005	0.0009	0.0009	0.0006	0.0012
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0007	0.0005	0.0014	0.0014	0.0005	0.0017
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0008	<0.0003	0.0007	0.0009	0.0007	0.0015
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0009	<0.0002	0.0006	0.0006	<0.0002	**0.0013**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-3M 10-May-2010 M-4	98-3M 06-May-2011 L-21	98-3M 23-May-2012 98-3M	98-3M 04-Jun-2013 S-18	98-3M 29-May-2014 98-3M	98-3M 27-May-2015 98-3M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0010	<0.0003	0.0018	0.0013	0.0010	0.0014
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-3S 10-May-2010 M-8	98-3S 06-May-2011 L-20	98-3S 23-May-2012 98-3S	98-3S 04-Jun-2013 S-19	98-3S 29-May-2014 98-3S	98-3S 27-May-2015 98-3S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-5D 13-May-2010 B-1	98-5D 10-May-2011 A-6	98-5D 23-May-2012 98-5D	98-5D 04-Jun-2013 S-20	98-5D 29-May-2014 98-5D	98-5D 28-May-2015 [25] 98-5D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0083	<0.0004	0.0083	<0.0004	0.0104
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0025	0.0026	0.0012	0.0008	0.0008	0.0018
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0219**	**0.0021**	**0.0038**	**0.0040**	**0.0032**	**0.0132**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-5M 13-May-2010 A-6	98-5M 10-May-2011 A-11	98-5M 23-May-2012 98-5M	98-5M 04-Jun-2013 S-21	98-5M 29-May-2014 98-5M	98-5M 28-May-2015 98-5M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0012	<0.0004	<0.0004	<0.0004	<0.0004	0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0016	0.0005	0.0007	0.0006	0.0004	0.0010
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-5S 13-May-2010 A-2	98-5S 10-May-2011 A-13	98-5S 23-May-2012 98-5S	98-5S 04-Jun-2013 S-22	98-5S 29-May-2014 98-5S	98-5S 28-May-2015 98-5S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0008	0.0007	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-6D 06-May-2011 L-33	98-6D 11-Jun-2013 B - 25
VOCs					
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	0.0018	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05
Benzene	mg/l	0.001	--	**0.0017**	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0060	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	0.0008
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0030**	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-7M 06-May-2011 L-26	98-7M 07-Jun-2013 [26] B - 1
VOCs					
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	0.0088	**0.0274**
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05
Benzene	mg/l	0.001	--	0.0005	0.0009
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	0.0004
Chloroethane	mg/l	--	--	<0.0010	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.635	3.237
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	0.0074	0.014
Trichloroethene	mg/l	0.005	--	0.0028	**0.0081**
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.675**	**0.586**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-8M 10-May-2010 M-3	98-8M 09-May-2011 [23] M-5	98-8M 23-May-2012 98-8M	98-8M 04-Jun-2013 S-15	98-8M 30-May-2014 98-8M	98-8M 27-May-2015 98-8M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	--	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	--	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-8S 10-May-2010 M-2	98-8S 09-May-2011 M-4	98-8S 23-May-2012 98-8S	98-8S 04-Jun-2013 S-16	98-8S 30-May-2014 98-8S	98-8S 27-May-2015 98-8S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0004	<0.0002	0.0007	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-9D 10-May-2010 M-5	98-9D 31-Aug-2010 B-6	98-9D 09-May-2011 M-7	98-9D 02-Sep-2011 B-12	98-9D 23-May-2012 98-9D	98-9D 23-Aug-2012 98-9D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	0.0008	<0.0004	0.0004	0.0004	0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	0.0010	0.0006	0.0008	0.0006	0.0009
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	0.0004	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0012	<0.0004	0.0017	0.0022	<0.0004	0.0022
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0013	0.0032	0.0024	0.0020	0.0024	0.0023
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0060**	<0.0002	**0.0118**	**0.0137**	**0.0127**	**0.0118**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-9D 03-Jun-2013 S-10	98-9D 05-Sep-2013 B-1	98-9D 30-May-2014 98-9D	98-9D 03-Sep-2014 [22] S - 10	98-9D 27-May-2015 98-9D	98-9D 16-Sep-2015 98-9D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	0.0005	<0.0004	0.0005	0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	0.0008	0.0007	**0.0011**	0.0007	0.0010	0.0008
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0020	0.0016	<0.0004	0.0017	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0022	0.0019	0.0032	0.0021	0.0032	0.0020
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0070**	**0.0081**	**0.0116**	**0.0081**	**0.0187**	**0.0092**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-9M 10-May-2010 M-9	98-9M 31-Aug-2010 B-7	98-9M 09-May-2011 M-9	98-9M 02-Sep-2011 B-13	98-9M 23-May-2012 98-9M	98-9M 23-Aug-2012 98-9M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	0.0005	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0005	<0.0004	0.0005	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	0.0004	<0.0003	0.0003	0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0003	<0.0002	<0.0002	**0.0012**	0.0007	0.0004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-9M 03-Jun-2013 S-11	98-9M 05-Sep-2013 B-2	98-9M 30-May-2014 98-9M	98-9M 03-Sep-2014 [22] S - 11	98-9M 27-May-2015 98-9M	98-9M 16-Sep-2015 98-9M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0002	0.0002	<0.0002	<0.0002	<0.0002	0.0003

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-9S 10-May-2010 M-10	98-9S 31-Aug-2010 B-8	98-9S 09-May-2011 M-1	98-9S 02-Sep-2011 B-14	98-9S 23-May-2012 98-9S	98-9S 23-Aug-2012 98-9S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	98-9S 03-Jun-2013 S-12	98-9S 05-Sep-2013 B-3	98-9S 30-May-2014 98-9S	98-9S 03-Sep-2014 [22] S - 12	98-9S 27-May-2015 98-9S	98-9S 16-Sep-2015 98-9S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-1D 14-May-2010 C-8	99-1D 01-Sep-2010 B-25	99-1D 11-May-2011 J-4	99-1D 06-Sep-2011 B-32	99-1D 28-May-2012 99-1D	99-1D 27-Aug-2012 99-1D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0006	0.0006	0.0004	0.0004	0.0004	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-1D 11-Jun-2013 B - 27	99-1D 06-Sep-2013 S-11	99-1D 29-May-2014 99-1D	99-1D 02-Sep-2014 B-1	99-1D 02-Jun-2015 99-1d	99-1D 16-Sep-2015 99-1D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0004	<0.0003	0.0004	0.0006	0.0005	0.0008
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-1M 14-May-2010 C-10	99-1M 01-Sep-2010 B-26	99-1M 11-May-2011 J-2	99-1M 06-Sep-2011 B-33	99-1M 28-May-2012 99-1M	99-1M 27-Aug-2012 99-1M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0004	0.0009	<0.0003	0.0004	0.0004	0.0005
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-1M 11-Jun-2013 B - 28	99-1M 06-Sep-2013 S-12	99-1M 29-May-2014 99-1M	99-1M 02-Sep-2014 B-2	99-1M 02-Jun-2015 99-1m	99-1M 16-Sep-2015 99-1M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0003	0.0004	<0.0003	0.0004	0.0005	0.0007
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-1S 14-May-2010 C-9	99-1S 01-Sep-2010 B-27	99-1S 11-May-2011 J-1	99-1S 06-Sep-2011 B-34	99-1S 28-May-2012 99-1S	99-1S 27-Aug-2012 99-1S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0004	0.0006	<0.0003	0.0006	<0.0003	0.0005
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-1S 11-Jun-2013 B - 29	99-1S 06-Sep-2013 S-13	99-1S 29-May-2014 99-1S	99-1S 02-Sep-2014 B-3	99-1S 02-Jun-2015 99-1s	99-1S 16-Sep-2015 99-1S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0003	0.0004	<0.0003	0.0004	<0.0003	0.0005
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-2D 14-May-2010 C-14	99-2D 11-May-2011 J-6	99-2D 28-May-2012 [31] 99-2D	99-2D 11-Jun-2013 B - 24	99-2D 17-Jun-2014 99-2D	99-2D 11-Jun-2015 99-2D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.035**	**0.0062**	**0.0271**	0.0002	**0.0225**	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-2S 14-May-2010 C-15	99-2S 11-May-2011 J-7	99-2S 28-May-2012 99-2S	99-2S 11-Jun-2013 B - 23	99-2S 17-Jun-2014 99-2S	99-2S 11-Jun-2015 99-2S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	0.0006	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0032	0.0026	<0.0004	0.0019	<0.0004	0.0019
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0009	0.0007	0.0007	0.0005	0.0006	0.0006
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**1.5**	**0.357**	**0.353**	**0.251**	**0.312**	**0.412**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-3D 05-May-2010 T-5	99-3D 31-Aug-2010 B-1	99-3D 06-May-2011 L-24	99-3D 02-Sep-2011 B-7	99-3D 23-May-2012 99-3D	99-3D 23-Aug-2012 99-3D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	0.0151	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	0.0006	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	**0.0097**	**0.0087**	**0.0089**	**0.0110**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-3D 03-Jun-2013 S-2	99-3D 06-Sep-2013 S-4	99-3D 17-Jun-2014 99-3D	99-3D 03-Sep-2014 S - 16	99-3D 27-May-2015 99-3D	99-3D 16-Sep-2015 99-3D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0232	0.0176	<0.0004	0.0130	0.0232	0.0160
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0081**	**0.0074**	**0.0068**	0.0004	**0.0125**	**0.0047**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-3M 05-May-2010 T-2	99-3M 31-Aug-2010 B-2	99-3M 06-May-2011 L-23	99-3M 02-Sep-2011 B-8	99-3M 23-May-2012 99-3M	99-3M 23-Aug-2012 99-3M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-3M 03-Jun-2013 S-1	99-3M 06-Sep-2013 S-5	99-3M 17-Jun-2014 99-3M	99-3M 03-Sep-2014 S - 17	99-3M 27-May-2015 99-3M	99-3M 16-Sep-2015 99-3M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-3S 31-Aug-2010 [4] 99-3S	99-3S 06-May-2011 L-14	99-3S 02-Sep-2011 B-9	99-3S 23-May-2012 [4] 99-3S	99-3S 23-Aug-2012 [4] 99-3S	99-3S 03-Jun-2013 [4] 99-3S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	<0.0004	<0.0004	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005	<0.0005	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004	<0.0004	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004	<0.0004	--	--	--
Methyl Ethyl Ketone	mg/l	--	--	--	<0.01	<0.01	--	--	--
Acetone	mg/l	--	--	--	<0.05	<0.05	--	--	--
Benzene	mg/l	0.001	--	--	<0.0005	<0.0005	--	--	--
Bromodichloromethane	mg/l	--	--	--	<0.0003	<0.0003	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	<0.0002	<0.0002	--	--	--
Chloroethane	mg/l	--	--	--	<0.0010	<0.0002	--	--	--
Chloroform	mg/l	--	--	--	<0.0005	<0.0005	--	--	--
Chloromethane	mg/l	--	--	--	<0.0010	<0.0002	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	--	--	--
Ethylbenzene	mg/l	0.14	0.0016	--	<0.0005	<0.0005	--	--	--
m,p-Xylenes	mg/l	--	--	--	<0.0010	<0.0010	--	--	--
Methylene Chloride	mg/l	0.05	--	--	<0.0040	<0.0040	--	--	--
o-Xylene	mg/l	--	--	--	<0.0005	<0.0005	--	--	--
Tetrachloroethylene	mg/l	0.01	--	--	<0.0003	<0.0003	--	--	--
Toluene	mg/l	0.06	0.024	--	<0.0005	<0.0005	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004	<0.0004	--	--	--
Trichloroethene	mg/l	0.005	--	--	<0.0003	<0.0003	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	<0.0005	<0.0005	--	--	--
Vinyl Chloride	mg/l	0.001	--	--	<0.0002	<0.0002	--	--	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-3S 06-Sep-2013 [4] 99-3S	99-3S 17-Jun-2014 [4] 99-3S	99-3S 03-Sep-2014 [4] 99-3S	99-3S 27-May-2015 [32] 99-3S	99-3S 14-Sep-2015 [4] 99-3S
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--
Methyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--
Benzene	mg/l	0.001	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--
Ethylbenzene	mg/l	0.14	0.0016	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.01	--	--	--	--	--	--
Toluene	mg/l	0.06	0.024	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.001	--	--	--	--	--	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-4D 05-May-2010 T-6	99-4D 31-Aug-2010 B-3	99-4D 06-May-2011 L-11	99-4D 23-May-2012 99-4D	99-4D 23-Aug-2012 99-4D	99-4D 03-Jun-2013 S-3
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-4D 06-Sep-2013 S-1	99-4D 30-May-2014 99-4D	99-4D 03-Sep-2014 S - 13	99-4D 27-May-2015 [34] 99-4D	99-4D 16-Sep-2015 99-4D
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	0.0010	0.0008
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-4M 05-May-2010 T-9	99-4M 31-Aug-2010 B-4	99-4M 06-May-2011 L-12	99-4M 02-Sep-2011 B-10	99-4M 23-May-2012 99-4M	99-4M 23-Aug-2012 99-4M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-4M 03-Jun-2013 S-4	99-4M 06-Sep-2013 S-2	99-4M 30-May-2014 99-4M	99-4M 03-Sep-2014 S - 15	99-4M 27-May-2015 [35] 99-4M	99-4M 16-Sep-2015 99-4M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	0.0009	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-4S 05-May-2010 T-3	99-4S 31-Aug-2010 B-5	99-4S 06-May-2011 L-13	99-4S 02-Sep-2011 B-11	99-4S 23-May-2012 99-4S	99-4S 23-Aug-2012 [4] 99-4S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	--
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	--
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	--
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	--
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	--
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-4S 03-Jun-2013 S-5	99-4S 06-Sep-2013 [4] 99-4S	99-4S 30-May-2014 99-4S	99-4S 03-Sep-2014 [4] 99-4S	99-4S 27-May-2015 [32] 99-4S	99-4S 16-Sep-2015 [4] 99-4S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	--	<0.0005	--	--	--
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	--	--	--
Methyl Ethyl Ketone	mg/l	--	--	<0.01	--	<0.01	--	--	--
Acetone	mg/l	--	--	<0.05	--	<0.05	--	--	--
Benzene	mg/l	0.001	--	<0.0005	--	<0.0005	--	--	--
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	--	--	--
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	--	--	--
Chloroethane	mg/l	--	--	<0.0002	--	<0.0002	--	--	--
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	--	--	--
Chloromethane	mg/l	--	--	<0.0002	--	<0.0002	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	--	--
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	--	<0.0005	--	--	--
m,p-Xylenes	mg/l	--	--	<0.0005	--	<0.0005	--	--	--
Methylene Chloride	mg/l	0.05	--	<0.0040	--	<0.0040	--	--	--
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	--	--	--
Tetrachloroethylene	mg/l	0.01	--	<0.0003	--	<0.0003	--	--	--
Toluene	mg/l	0.06	0.024	<0.0005	--	<0.0005	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	--	--	--
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	--	--	--
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	--	--	--
Vinyl Chloride	mg/l	0.001	--	<0.0002	--	<0.0002	--	--	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-5D 05-May-2010 T-4	99-5D 06-May-2011 L-29	99-5D 23-May-2012 99-5D	99-5D 03-Jun-2013 S-6	99-5D 30-May-2014 99-5D	99-5D 27-May-2015 99-5D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	0.0008	<0.0005	0.0005	0.0010	**0.0012**	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0005	0.0005	0.0006	0.0006	0.0007	0.0004
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0012	0.0006	<0.0004	<0.0004	0.0017
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0728**	**0.0062**	**0.0029**	**0.0029**	**0.0013**	**0.0121**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-5M 05-May-2010 T-1	99-5M 06-May-2011 L-32	99-5M 23-May-2012 99-5M	99-5M 03-Jun-2013 S-7	99-5M 30-May-2014 99-5M	99-5M 27-May-2015 99-5M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0133	<0.0004	0.0055	0.0081	0.0086
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	**0.0431**	**0.0284**	**0.0058**	**0.0265**	**0.0335**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-5S 05-May-2010 T-7	99-5S 06-May-2011 L-31	99-5S 23-May-2012 99-5S	99-5S 03-Jun-2013 S-9	99-5S 30-May-2014 99-5S	99-5S 27-May-2015 99-5S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-6D 14-May-2010 C-5	99-6D 05-May-2011 [3] G-9	99-6D 28-May-2012 99-6D	99-6D 11-Jun-2013 B - 30	99-6D 29-May-2014 99-6D	99-6D 03-Jun-2015 99-6d
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	0.0008	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-6M 14-May-2010 C-6	99-6M 05-May-2011 [3] G-10	99-6M 28-May-2012 99-6M	99-6M 11-Jun-2013 B - 31	99-6M 29-May-2014 99-6M	99-6M 03-Jun-2015 99-6m
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	0.0006	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	0.0023	<0.0008	0.0029	<0.0004	0.0107	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	0.0004	0.0008	0.0008	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	0.0008	<0.0002	**0.0021**	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-6S 14-May-2010 C-13	99-6S 05-May-2011 [3] G-11	99-6S 28-May-2012 99-6S	99-6S 11-Jun-2013 B - 32	99-6S 29-May-2014 99-6S	99-6S 03-Jun-2015 99-6s
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	0.0008	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-7D 11-May-2010 A-27	99-7D 05-May-2011 [3] G-19	99-7D 18-May-2012 A-3	99-7D 07-Jun-2013 B - 12	99-7D 21-May-2014 99-7D	99-7D 02-Jun-2015 99-7d
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-7M 11-May-2010 A-28	99-7M 05-May-2011 [3] G-20	99-7M 18-May-2012 A-7	99-7M 07-Jun-2013 B - 13	99-7M 21-May-2014 99-7M	99-7M 02-Jun-2015 99-7m
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-7S 11-May-2010 A-32	99-7S 05-May-2011 [3] G-21	99-7S 18-May-2012 A-6	99-7S 07-Jun-2013 B - 14	99-7S 21-May-2014 99-7S	99-7S 02-Jun-2015 99-7s
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-8D 11-May-2010 A-26	99-8D 10-May-2011 [27] 99-8D	99-8D 18-May-2012 A-10	99-8D 07-Jun-2013 B - 2	99-8D 21-May-2014 99-8D	99-8D 02-Jun-2015 99-8d
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	--	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	--	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	--	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	--	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	--	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-8M 10-May-2011 A-27	99-8M 18-May-2012 A-9	99-8M 07-Jun-2013 B - 4	99-8M 21-May-2014 99-8M	99-8M 02-Jun-2015 99-8m
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-8S 11-May-2010 A-25	99-8S 10-May-2011 A-25	99-8S 18-May-2012 A-8	99-8S 07-Jun-2013 B - 3	99-8S 21-May-2014 99-8S	99-8S 02-Jun-2015 99-8s
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-9D 13-May-2010 A-23	99-9D 05-May-2011 G-16	99-9D 18-May-2012 A-16	99-9D 07-Jun-2013 B - 5	99-9D 21-May-2014 99-9D	99-9D 02-Jun-2015 99-9d
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-9M 13-May-2010 A-20	99-9M 05-May-2011 [3] G-17	99-9M 18-May-2012 A-5	99-9M 07-Jun-2013 B - 6	99-9M 21-May-2014 99-9M	99-9M 02-Jun-2015 99-9m
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	0.0006	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-9S 13-May-2010 A-19	99-9S 05-May-2011 [3] G-18	99-9S 18-May-2012 A-11	99-9S 07-Jun-2013 B - 7	99-9S 21-May-2014 99-9S	99-9S 02-Jun-2015 99-9s
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-10D 11-May-2010 A-30	99-10D 05-May-2011 [3] G-13	99-10D 18-May-2012 A-1	99-10D 07-Jun-2013 B - 9	99-10D 21-May-2014 99-10D	99-10D 02-Jun-2015 99-10d
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-10M 11-May-2010 A-31	99-10M 05-May-2011 [3] G-15	99-10M 18-May-2012 A-2	99-10M 07-Jun-2013 B - 10	99-10M 21-May-2014 99-10M	99-10M 02-Jun-2015 99-10m
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-10S 11-May-2010 A-29	99-10S 05-May-2011 [3] G-14	99-10S 18-May-2012 A-4	99-10S 07-Jun-2013 B - 11	99-10S 21-May-2014 99-10S	99-10S 02-Jun-2015 99-10s
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-11D 13-May-2010 A-17	99-11D 05-May-2011 [3] G-23	99-11D 25-May-2012 99-11D	99-11D 07-Jun-2013 B - 17	99-11D 21-May-2014 99-11D	99-11D 02-Jun-2015 99-11d
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-11M 13-May-2010 B-4	99-11M 05-May-2011 [3] G-24	99-11M 25-May-2012 99-11M	99-11M 07-Jun-2013 B - 18	99-11M 21-May-2014 99-11M	99-11M 02-Jun-2015 99-11m
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	99-11S 13-May-2010 [30] A-16	99-11S 05-May-2011 [3] G-25	99-11S 25-May-2012 99-11S	99-11S 07-Jun-2013 B - 19	99-11S 21-May-2014 99-11S	99-11S 02-Jun-2015 99-11s
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	LEACHATE 14-May-2010 C-18	LEACHATE 01-Sep-2010 [36] B-29	LEACHATE 11-May-2011 [37] J-8	LEACHATE 06-Sep-2011 [38] B-36	LEACHATE 25-May-2012 [39] Leachate	LEACHATE 27-Aug-2012 [40] Leachate
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	0.0005	0.0007	0.0014	0.0009	0.0004	0.0006
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	**0.0012**	0.0008	<0.0005	**0.0016**	<0.0005	0.0010
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0012	0.0011	<0.0002	0.0019	<0.0002	0.0011
Chloroethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0005	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	LEACHATE 11-Jun-2013 [41] B - 21	LEACHATE 06-Sep-2013 [42] LEACHATE	LEACHATE 19-Nov-2013 [43] W - 13	LEACHATE 17-Jun-2014 Leachate	LEACHATE 02-Sep-2014 [22] B-10
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	0.0005	--	0.0005	0.0008	0.0009
Methyl Ethyl Ketone	mg/l	--	--	<0.01	--	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	--	<0.05	<0.05	<0.05
Benzene	mg/l	0.001	--	<0.0005	--	<0.0005	0.0010	0.0010
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	--	0.0004	0.0015	0.0017
Chloroethane	mg/l	--	--	<0.0002	--	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	--	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0005	--	<0.0005	0.0006	0.0006
Methylene Chloride	mg/l	0.05	--	<0.0040	--	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	--	<0.0002	0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	LEACHATE 03-Jun-2015 L-1	LEACHATE 22-Sep-2015 L-1
VOCs					
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	0.0007
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	0.0008
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0007	0.0014
Chloroethane	mg/l	--	--	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	MW-2D 14-May-2010 C-12	MW-2D 05-May-2011 [3] G-7	MW-2D 28-May-2012 MW-2D	MW-2D 11-Jun-2013 B - 36	MW-2D 23-May-2014 MW-2D	MW-2D 11-Jun-2015 MW-2D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0015	0.0009	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	**0.0051**	0.0037	0.0035	<0.0003	0.0041	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS-AO [2]	MW-2M 14-May-2010 C-7	MW-2M 05-May-2011 [3] G-8	MW-2M 28-May-2012 MW-2M	MW-2M 11-Jun-2013 B - 37	MW-2M 23-May-2014 MW-2M	MW-2M 11-Jun-2015 MW-2M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.05	<0.1	<0.05	<0.05	<0.05	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Chloroethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0010	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	0.0024	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0006	0.0011	0.0008	0.0013	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002

Footnotes:	
	Tables should be read in conjunction with the accompanying document.
<	Indicates parameter not detected above laboratory method detection limit.
>	Indicates parameter detected above equipment analytical range.
--	Chemical not analyzed or criteria not defined.
Value	Parameter is greater than ODWQS(169/03)-Health
Value	Parameter is greater than ODWQS-AO
(1)	Ontario Drinking Water Quality Standards - Health Based Standards (June 2003, revised June 2006).
(2)	Ontario Drinking Water Quality Standards - Aesthetic Objectives. Aesthetic Objectives are established for parameters that may impair the taste, odour or colour of water or which may interfere with good water quality control practices. For certain parameters, both aesthetic objectives and health-related MACs have been derived (June 2003, revised June 2006).
(3)	Due to matrix interference 2x dilution factor required for VOCs (sediment).
(4)	Monitoring location was dry during this sampling event. No sample was collected.
(5)	Arsenic and Selenium MRL elevated due to matrix interference.
(6)	Cyanide was analysed at Exova Pointe-Claire. Arsenic MRL elevated due to matrix interference.
(7)	TOC and COD sample was not shaken prior to analysis due to sediment. Arsenic MRL elevated due to matrix interference.
(8)	Arsenic MRL elevated due to matrix interference (dilution was done). Phenols MRL elevated due to matrix interference (dilution was done).
(9)	Cyanide was analysed at Exova Pointe-Claire.
(10)	Samples were subcontracted for cyanide analysis for the entire report.
(11)	Arsenic MRL elevated due to matrix interference. Cyanide was analysed at Exova Pointe-Claire.
(12)	Arsenic MRL elevated due to matrix interference.
(13)	Arsenic MRL elevated due to matrix interference (dilution was done).
(14)	VOC MRL elevated due to matrix interference.
(15)	Metals MRL elevated due to matrix interference.
(16)	Zirconium and Arsenic MRL elevated due to matrix interference (dilution was done).
(17)	TKN results are less than results for N-NH3; results have been confirmed.
(18)	TOC and COD sample was not shaken prior to analysis due to sediment.
(19)	Sample was subcontracted for cyanide analysis.
(20)	SPG analysis minus DRP, BOD was added July 20/15 as per client.
(21)	Cyanide-NA because no cyanide sample bottle was received.
(22)	Phenols MRL elevated due to matrix interference (5X dilution was done).
(23)	Metals MRL elevated due to matrix interference.
(24)	Phenols MRL elevated due to matrix interference (2X dilution was done).
(25)	All TKN analysed at Pointe Claire facility.
(26)	Dilution result doesnt match the original run result for t-1,2 Dichloroethylene. There is no VOC duplicate vial for confirmation.
(27)	Monitoring location was damaged and could not be sampled.
(28)	NS
(30)	All cyanide results were analysed at Exova Pointe Claire.
(31)	COD sample was not shaken prior to analysis due to sediment.
(32)	Not enough water to measure field parameters.
(33)	Monitoring location was dry during this sampling event. No sample was collected.
(34)	TKN analysed at Pointe Claire facility.
(35)	TKN analysed at Pointe Claire facility. TOC analysed at Edmonton facility.
(36)	Arsenic MRL elevated due to matrix interference. Cyanide was analysed at Exova Pointe Claire.
(37)	Cyanide was analysed at Paracel Laboratories Ltd. Phenols MRL was increased due to matrix interference.
(38)	Arsenic MRL elevated due to matrix interference. Sample was subcontracted for Cyanide (free) analysis.
(39)	Sample was subcontracted for cyanide analysis. Arsenic MRL elevated due to matrix interference.
(40)	Arsenic and Vanadium MRL elevated due to matrix interference. Sediment was not included in Metals analysis.
(41)	Arseinc MRL elevated due to matrix interference (dilution was done).
(42)	Sampling location is not operational.
(43)	Holding time for turbidity analysis was exceeded. Due to lab error (incorrect bottle type) the CrVI results should be interpreted with caution. Arsenic MRL elevated due to matrix interference (dilution was done). Sample was subcontracted for Chromium (VI) analysis.

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Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	00-1D 24-May-2016 S-19	00-1D 07-Jun-2017 00-1 D	00-1D 05-Jun-2018 00-1D	00-1D 05-Jun-2019 00-1D	00-1D 21-May-2020 00-1D	00-1D 23-Jun-2021 00-1D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	0.0008	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	0.0010	<0.0003	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	00-1M 24-May-2016 S-20	00-1M 07-Jun-2017 00-1M	00-1M 30-May-2018 00-1M	00-1M 05-Jun-2019 00-1M	00-1M 21-May-2020 00-1M	00-1M 23-Jun-2021 00-1M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	0.0008	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	0.0011	<0.0003	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	00-1S 24-May-2016 S-21	00-1S 07-Jun-2017 00-1 S	00-1S 05-Jun-2018 00-1S	00-1S 05-Jun-2019 00-1S	00-1S 21-May-2020 00-1S	00-1S 23-Jun-2021 00-1S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	0.0009	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	0.0010	<0.0003	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	00-2D 24-May-2016 S-22	00-2D 14-Jun-2017 00-2D	00-2D 28-May-2018 00-2D	00-2D 05-Jun-2019 00-2D	00-2D 21-May-2020 00-2D	00-2D 23-June-2021 00-2D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.0009
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	0.0097	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	00-2M 24-May-2016 S-23	00-2M 14-Jun-2017 00-2M	00-2M 28-May-2018 00-2M	00-2M 05-Jun-2019 00-2M	00-2M 21-May-2020 00-2M	00-2M 23-Jun-2021 00-2M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	0.1
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	0.0079	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	00-2S 24-May-2016 S-24	00-2S 14-Jun-2017 00-2S	00-2S 28-May-2018 00-2S	00-2S 05-Jun-2019 00-2S	00-2S 21-May-2020 00-2S	00-2S 23-Jun-2021 00-2S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	0.0122	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	00-3 24-May-2016 S-18	00-3 06-Jun-2017 00-3	00-3 28-May-2018 03-3D	00-3 03-Jun-2019 00-3	00-3 20-May-2020 00-3	00-3 21-Jun-2021 00-3
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0023	<0.0004	<0.0004	0.0024	<0.0004	0.0027
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0003	<0.0003	<0.0003	0.0005	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0004	0.0004	<0.0002	0.0005	0.0004	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	90-3D 14-Jun-2016 S-97	90-3D 14-Jun-2017 90-3D	90-3D 14-Jun-2018 90-3D	90-3D 18-Jun-2019 90-3D	90-3D 28-May-2020 90-3D	90-3D 23-June-2021 90-3D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0023**	**0.0043**	**0.0021**	**0.0056**	**0.0051**	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-2D 24-May-2016 S-29	91-2D 06-Jun-2017 91-2D	91-2D 29-May-2018 91-2D	91-2D 05-Jun-2019 91-2D	91-2D 22-May-2020 91-2D	91-2D 23-June-2021 91-2D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	0.0019	0.0026	0.0014	<0.0002	0.0042
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	0.0013	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0024	<0.0004	0.0041	<0.0004	0.0038	0.0038
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0241**	**0.0167**	**0.0292**	**0.0448**	**0.0287**	**0.0164**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-2M 24-May-2016 S-28	91-2M 06-Jun-2017 91-2M	91-2M 29-May-2018 91-2M	91-2M 05-Jun-2019 91-2M	91-2M 22-May-2020 91-2M	91-2M 23-Jun-2021 91-2M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	0.0002	0.0012	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0022	<0.0004	0.0012	<0.0004	0.0028	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0164**	0.0006	**0.0082**	<0.0002	**0.0169**	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-3D 26-May-2016 S-56	91-3D 09-Jun-2017 91-3D	91-3D 05-Jun-2018 91-3	91-3D 10-Jun-2019 91-3D	91-3D 20-Jun-2019 91-3D	91-3D 22-May-2020 91-3D	91-3D 23-May-2020 91-3D
Per- and polyfluoroalkyl substances										
Perfluorooctanesulfonic Acid (PFOS)	mg/l	--	--	--	--	--	--	0.0000049	0.0000050	--
Perfluorooctanoic Acid (PFOA)	mg/l	--	--	--	--	--	--	0.00002	0.000026	--
PePerfluorobutanesulfonic Acid (PFBS)	mg/l	--	--	--	--	--	--	<0.0000020	<0.0000020	--
Perfluorobutanoic Acid (PFBA)	mg/l	--	--	--	--	--	--	0.0000065	0.000011	--
Perfluorodecanesulfonic Acid (PFDS)	mg/l	--	--	--	--	--	--	<0.0000020	<0.0000020	--
Perfluorodecanoic Acid (PFDA)	mg/l	--	--	--	--	--	--	<0.0000020	<0.0000020	--
Perfluorododecanoic Acid (PFDoA)	mg/l	--	--	--	--	--	<0.03	<0.0000020	<0.0000020	--
Perfluoroheptanesulfonic Acid (PFHpS)	mg/l	--	--	--	--	--	--	<0.0000020	<0.0000020	--
Perfluoroheptanoic Acid (PFHpA)	mg/l	--	--	--	--	--	--	0.0000044	0.0000075	--
Perfluorohexanesulfonic Acid (PFHxS)	mg/l	--	--	--	--	--	--	<0.0000020	0.0000029	--
Perfluorohexanoic Acid (PFHxA)	mg/l	--	--	--	--	--	--	0.000014	0.000023	--
Perfluorononanoic Acid (PFNA)	mg/l	--	--	--	--	--	--	<0.0000020	<0.0000020	--
Perfluorooctane Sulfonamide (PFOSA)	mg/l	--	--	--	--	--	--	<0.0000040	<0.0000040	--
Perfluoropentanoic Acid (PFPeA)	mg/l	--	--	--	--	--	--	0.0000048	0.0000082	--
Perfluorotetradecanoic Acid (PFTEDA)	mg/l	--	--	--	--	--	--	<0.0000020	<0.0000020	--
Perfluorotridecanoic Acid (PFTRDA)	mg/l	--	--	--	--	--	--	<0.0000020	<0.0000020	--
Perfluoroundecanoic Acid (PFUnA)	mg/l	--	--	--	--	--	--	<0.0000020	<0.0000020	--
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	--	--	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	--	--	<0.0004
1,4-Dioxane	mg/l	--	--	--	--	--	--	<0.02	<0.02	--
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	--	--	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	--	--	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	--	--	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0002	<0.0002	<0.0005	<0.0005	--	--	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	--	--	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	0.0007	<0.0002	--	--	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0027	<0.0004	0.0015	0.0006	--	--	0.0012
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	--	--	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	--	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	--	--	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	--	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	--	--	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	--	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	--	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	--	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0285**	0.0003	**0.0076**	**0.0015**	--	--	0.0006

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-3D 23-Jun-2021 91-3D
Per- and polyfluoroalkyl substances				
Perfluorooctanesulfonic Acid (PFOS)	mg/l	--	--	0.000015
Perfluorooctanoic Acid (PFOA)	mg/l	--	--	0.000007
PePerfluorobutanesulfonic Acid (PFBS)	mg/l	--	--	0.00000082
Perfluorobutanoic Acid (PFBA)	mg/l	--	--	0.0000034
Perfluorodecanesulfonic Acid (PFDS)	mg/l	--	--	ND
Perfluorodecanoic Acid (PFDA)	mg/l	--	--	ND
Perfluorododecanoic Acid (PFDoA)	mg/l	--	--	ND
Perfluoroheptanesulfonic Acid (PFHpS)	mg/l	--	--	0.00000048
Perfluoroheptanoic Acid (PFHpA)	mg/l	--	--	0.00000091
Perfluorohexanesulfonic Acid (PFHxS)	mg/l	--	--	0.0000028
Perfluorohexanoic Acid (PFHxA)	mg/l	--	--	0.0000011
Perfluorononanoic Acid (PFNA)	mg/l	--	--	ND
Perfluorooctane Sulfonamide (PFOSA)	mg/l	--	--	0
Perfluoropentanoic Acid (PFPeA)	mg/l	--	--	0.00000099
Perfluorotetradecanoic Acid (PFTEDA)	mg/l	--	--	ND
Perfluorotridecanoic Acid (PFTRDA)	mg/l	--	--	ND
Perfluoroundecanoic Acid (PFUnA)	mg/l	--	--	ND
VOCs				
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
1,4-Dioxane	mg/l	--	--	--
Methyl Ethyl Ketone	mg/l	--	--	<0.01
Acetone	mg/l	--	--	<0.03
Benzene	mg/l	0.001	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005
Chloroethane	mg/l	--	--	0.005
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0012
Ethylbenzene	mg/l	0.14	0.0016	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0217

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-3M 26-May-2016 S-57	91-3M 09-Jun-2017 91-3M	91-3M 05-Jun-2018 91-3M	91-3M 10-Jun-2019 91-3M	91-3M 23-May-2020 91-3M	91-3M 23-Jun-2021 91-3M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	0.0014	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0018	<0.0004	0.0042	0.0037	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0155**	**0.0331**	**0.0481**	**0.0441**	**0.0386**	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-5D 25-May-2016 S-32	91-5D 09-Jun-2017 91-5D	91-5D 01-Jun-2018 91-5D	91-5D 10-Jun-2019 91-5D	91-5D 27-May-2020 91-5D	91-5D 23-Jun-2021 91-5D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0030	<0.0004	0.0039	0.0045	<0.0004	0.0062
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0009	0.0007	0.0007	0.0011	0.0011	0.0006
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0023**	**0.0078**	**0.0073**	**0.0068**	**0.0078**	**0.002**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-5S 25-May-2016 S-31	91-5S 09-Jun-2017 91-5S	91-5S 01-Jun-2018 91-5S	91-5S 10-Jun-2019 91-5S	91-5S 27-May-2020 91-5S	91-5S 23-Jun-2021 91-5S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0005	<0.0004	0.0010	<0.0004	<0.0004	0.0019
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0010	0.0007	0.0008	0.0009	0.0011	0.0007
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0003	**0.0042**	0.0008	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-6D 26-May-2016 S-54	91-6D 08-Jun-2017 96-6D	91-6D 30-May-2018 91-6D	91-6D 06-Jun-2019 91-6D	91-6D 22-May-2020 91-6D	91-6D 23-Jun-2021 91-6D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0002	0.0002	<0.0002	0.0009	0.0005	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-6S 26-May-2016 [3] S-55	91-6S 08-Jun-2017 91-6S	91-6S 30-May-2018 91-6S	91-6S 06-Jun-2019 91-6S	91-6S 22-May-2020 91-6S	91-6S 23-Jun-2021 91-6S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	<0.0005	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	<0.0004	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	<0.0005	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	<0.0004	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	<0.0004	--	--	--
Methyl Ethyl Ketone	mg/l	--	--	--	--	<0.01	--	--	--
Acetone	mg/l	--	--	--	--	<0.03	<0.03	--	--
Benzene	mg/l	0.001	--	--	--	<0.0005	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	<0.0003	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	<0.0005	--	--	--
Chloroethane	mg/l	--	--	--	--	<0.0002	--	--	--
Chloroform	mg/l	--	--	--	--	<0.0005	--	--	--
Chloromethane	mg/l	--	--	--	--	<0.0002	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	--	--	--
Ethylbenzene	mg/l	0.14	0.0016	--	--	<0.0005	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	<0.0004	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	<0.0040	--	--	--
o-Xylene	mg/l	--	--	--	--	<0.0004	--	--	--
Tetrachloroethylene	mg/l	0.01	--	--	--	<0.0003	--	--	--
Toluene	mg/l	0.06	0.024	--	--	<0.0005	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	<0.0004	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	<0.0003	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	<0.0005	--	--	--
Vinyl Chloride	mg/l	0.001	--	--	--	<0.0002	--	--	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-7D 26-May-2016 S-53	91-7D 08-Jun-2017 91-7D	91-7D 30-May-2018 91-7D	91-7D 10-Jun-2019 91-7D	91-7D 22-May-2020 91-7D	91-7D 23-Jun-2021 91-7D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-7S 26-May-2016 S-52	91-7S 08-Jun-2017 91-7S	91-7S 30-May-2018 91-7S	91-7S 10-Jun-2019 91-7S	91-7S 22-May-2020 91-7S	91-7S 23-Jun-2021 91-7S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0006	0.0004	<0.0002	**0.0018**	0.0003	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-10D 25-May-2016 S-45	91-10D 14-Jun-2017 91-10D	91-10D 01-Jun-2018 91-10D	91-10D 07-Jun-2019 91-10D	91-10D 23-May-2020 91-10D	91-10D 23-Jun-2021 91-10D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0013	0.0017	0.0016	0.0015	0.0010	0.0023
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	0.0132	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0004	<0.0004	<0.0004	<0.0004	0.0006
Trichloroethene	mg/l	0.005	--	**0.0059**	0.0042	**0.0058**	**0.0063**	0.0047	**0.0067**
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0006	0.0005	0.0005	0.0005	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	91-10M 25-May-2016 S-46	91-10M 14-Jun-2017 91-10M	91-10M 01-Jun-2018 91-10M	91-10M 07-Jun-2019 91-10M	91-10M 23-May-2020 91-10M	91-10M 23-Jun-2021 91-10M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0023	<0.0004	0.0017	<0.0004	0.0008
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	0.0078	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0006	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	0.0013	0.0005	0.0014	0.0009	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	**0.0011**	0.0006	0.0006	0.0004	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-2D 01-Jun-2016 S-68	93-2D 07-Sep-2016 93-2D	93-2D 08-Jun-2017 93-2D	93-2D 28-Aug-2017 93-2D	93-2D 30-May-2018 93-2D	93-2D 12-Sep-2018 93-2D	93-2D 07-Jun-2019 93-2D
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-2D 19-Sep-2019 93-2D	93-2D 27-May-2020 93-2D	93-2D 15-Sep-2020 93-2D	93-2D 23-Jun-2021 93-2D	93-2D 15-Sep-2021 93-2D
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	0.0004	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-2M 01-Jun-2016 S-69	93-2M 07-Sep-2016 93-2M	93-2M 08-Jun-2017 93-2M	93-2M 28-Aug-2017 93-2M	93-2M 30-May-2018 93-2M	93-2M 12-Sep-2018 93-2M	93-2M 07-Jun-2019 93-2M
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-2M 19-Sep-2019 93-2M	93-2M 27-May-2020 93-2M	93-2M 15-Sep-2020 93-2M	93-2M 23-Jun-2021 93-2M	93-2M 15-Sep-2021 93-2M
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-2S 01-Jun-2016 S-70	93-2S 07-Sep-2016 93-2S	93-2S 08-Jun-2017 93-2S	93-2S 28-Aug-2017 93-2S	93-2S 30-May-2018 93-2S	93-2S 12-Sep-2018 93-2S	93-2S 10-Jun-2019 93-2S
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-2S 19-Sep-2019 93-2S	93-2S 27-May-2020 93-2S	93-2S 15-Sep-2020 93-2S	93-2S 23-Jun-2021 93-2S	93-2S 15-Sep-2021 93-2S
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-3D 01-Jun-2016 S-71	93-3D 08-Jun-2017 93-3D	93-3D 30-May-2018 93-3D	93-3D 07-Jun-2019 93-3D	93-3D 22-May-2020 93-3D	93-3D 23-Jun-2021 93-3D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-3S 01-Jun-2016 S-72	93-3S 08-Jun-2017 93-3S	93-3S 30-May-2018 93-3S	93-3S 07-Jun-2019 93-3S	93-3S 22-May-2020 93-3S	93-3S 23-Jun-2021 93-3S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-4D 01-Jun-2016 S-73	93-4D 08-Sep-2016 93-4D	93-4D 08-Jun-2017 93-4D	93-4D 28-Aug-2017 93-4D	93-4D 30-May-2018 93-4D	93-4D 07-Sep-2018 93-4D	93-4D 06-Jun-2019 93-4D
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-4D 19-Sep-2019 93-4D	93-4D 22-May-2020 93-4D	93-4D 15-Sep-2020 93-4D
VOCs						
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-4S 01-Jun-2016 S-74	93-4S 08-Sep-2016 93-4S	93-4S 08-Jun-2017 93-4S	93-4S 28-Aug-2017 93-4S	93-4S 30-May-2018 93-4S	93-4S 07-Sep-2018 93-4S	93-4S 06-Jun-2019 93-4S
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-4S 19-Sep-2019 93-4S	93-4S 22-May-2020 93-4S	93-4S 15-Sep-2020 93-4S	93-4S 23-Jun-2021 93-4S	93-4S 23-Jun-2021 93-4S	93-4S 15-Sep-2021 93-4S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-5D 25-May-2016 S-39	93-5D 08-Sep-2016 93-5D	93-5D 08-Jun-2017 93-5D	93-5D 29-Aug-2017 93-5D	93-5D 29-May-2018 93-5D	93-5D 12-Sep-2018 93-5D	93-5D 07-Jun-2019 93-5D
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0005	0.0005	<0.0004	0.0005	<0.0004	0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0005	0.0005	0.0004	<0.0003	0.0006	0.0006	0.0006
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0004	**0.0012**	0.0004	<0.0002	0.0002	<0.0002	0.0005

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-5D 19-Sep-2019 93-5D	93-5D 27-May-2020 93-5D	93-5D 15-Sep-2020 93-5D	93-5D 23-Jun-2021 93-5D	93-5D 15-Sep-2021 93-5D
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	0.0008	<0.0003	0.0008	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	0.0005	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-5S 25-May-2016 S-40	93-5S 08-Sep-2016 93-5S	93-5S 08-Jun-2017 93-5S	93-5S 29-Aug-2017 93-5S	93-5S 29-May-2018 93-5S	93-5S 12-Sep-2018 93-5S	93-5S 07-Jun-2019 93-5S
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0004	0.0008	<0.0002	0.0005	<0.0005	0.0006	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	0.0005	<0.0004	<0.0004	<0.0004	0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0009	0.0011	0.0005	0.0009	0.0006	0.0009	0.0006
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0024**	0.0009	0.0004	0.0008	0.0006	<0.0002	0.0004

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-5S 19-Sep-2019 93-5S	93-5S 27-May-2020 93-5S	93-5S 15-Sep-2020 93-5S	93-5S 23-Jun-2021 93-5S	93-5S 15-Sept-2021 93-5S
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	0.0007
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	0.0008	0.0008
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0007	0.0008	<0.0003	0.0012	0.001
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0010	0.0005	**0.0025**	**0.002**	0.0005

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-8D 26-May-2016 S-49	93-8D 08-Sep-2016 93-8D	93-8D 08-Jun-2017 93-8D	93-8D 28-Aug-2017 93-8D	93-8D 30-May-2018 93-8D	93-8D 30-May-2018 93-8D	93-8D 12-Sep-2018 93-8D
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	--	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-8D 10-Jun-2019 93-8D	93-8D 19-Sep-2019 93-8D	93-8D 27-May-2020 93-8D	93-8D 15-Sep-2020 93-8D	93-8D 23-Jun-2021 93-8D	93-8D 15-Sep-2021 93-8D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-8M 26-May-2016 S-50	93-8M 08-Sep-2016 93-8M	93-8M 08-Jun-2017 93-8M	93-8M 28-Aug-2017 93-8M	93-8M 30-May-2018 93-8M	93-8M 30-May-2018 93-8M	93-8M 12-Sep-2018 93-8M
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	--	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	--	0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	0.0006	--	0.0003	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-8M 10-Jun-2019 93-8M	93-8M 19-Sep-2019 93-8M	93-8M 27-May-2020 93-8M	93-8M 15-Sep-2020 93-8M	93-8M 23-Jun-2021 93-8M	93-8M 15-Sep-2021 93-8M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-8S 26-May-2016 S-51	93-8S 08-Sep-2016 93-8S	93-8S 08-Jun-2017 93-8S	93-8S 28-Aug-2017 93-8S	93-8S 30-May-2018 93-8S	93-8S 30-May-2018 93-8S	93-8S 12-Sep-2018 93-8S
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	--	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	93-8S 10-Jun-2019 93-8S	93-8S 19-Sep-2019 93-8S	93-8S 27-May-2020 93-8S	93-8S 15-Sep-2020 93-8S	93-8S 23-Jun-2021 93-8S	93-8S 15-Sep-2021 93-8S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-2D 25-May-2016 S-42	98-2D 06-Jun-2017 98-2D	98-2D 01-Jun-2018 98-2D	98-2D 07-Jun-2019 98-2D	98-2D 18-Jun-2019 98-2D	98-2D 21-May-2020 98-2D
Per- and polyfluoroalkyl substances									
Perfluorooctanesulfonic Acid (PFOS)	mg/l	--	--	--	--	--	--	0.0000070	--
Perfluorooctanoic Acid (PFOA)	mg/l	--	--	--	--	--	--	0.0000044	--
PePerfluorobutanesulfonic Acid (PFBS)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorobutanoic Acid (PFBA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorodecanesulfonic Acid (PFDS)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorodecanoic Acid (PFDA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorododecanoic Acid (PFDoA)	mg/l	--	--	--	--	--	<0.03	<0.0000020	--
Perfluoroheptanesulfonic Acid (PFHpS)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluoroheptanoic Acid (PFHpA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorohexanesulfonic Acid (PFHxS)	mg/l	--	--	--	--	--	--	0.0000025	--
Perfluorohexanoic Acid (PFHxA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorononanoic Acid (PFNA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorooctane Sulfonamide (PFOSA)	mg/l	--	--	--	--	--	--	<0.0000040	--
Perfluoropentanoic Acid (PFPeA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorotetradecanoic Acid (PFTEDA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorotridecanoic Acid (PFTRDA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluoroundecanoic Acid (PFUnA)	mg/l	--	--	--	--	--	--	<0.0000020	--
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,4-Dioxane	mg/l	--	--	--	--	--	--	<0.02	--
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	--	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	--	<0.03
Benzene	mg/l	0.001	--	**0.0011**	**0.0011**	0.0009	0.0007	--	0.0007
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0008	0.0009	0.0007	0.0006	--	0.0006
Chloroethane	mg/l	--	--	<0.0002	0.0003	<0.0002	<0.0002	--	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	0.0017	0.0017	--	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0019	0.0030	0.0031	0.0036	--	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	--	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.122**	**0.0571**	**0.0588**	**0.0860**	--	**0.0538**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-2D 22-May-2020 98-2D	98-2D 23-Jun-2021 98-2D
Per- and polyfluoroalkyl substances					
Perfluorooctanesulfonic Acid (PFOS)	mg/l	--	--	0.0000063	0.000014
Perfluorooctanoic Acid (PFOA)	mg/l	--	--	0.0000043	0.000074
PePerfluorobutanesulfonic Acid (PFBS)	mg/l	--	--	<0.0000020	0.0000013
Perfluorobutanoic Acid (PFBA)	mg/l	--	--	0.0000027	0.000024
Perfluorodecanesulfonic Acid (PFDS)	mg/l	--	--	<0.0000020	ND
Perfluorodecanoic Acid (PFDA)	mg/l	--	--	<0.0000020	ND
Perfluorododecanoic Acid (PFDoA)	mg/l	--	--	<0.0000020	ND
Perfluoroheptanesulfonic Acid (PFHpS)	mg/l	--	--	<0.0000020	ND
Perfluoroheptanoic Acid (PFHpA)	mg/l	--	--	<0.0000020	0.000021
Perfluorohexanesulfonic Acid (PFHxS)	mg/l	--	--	0.0000028	0.0000048
Perfluorohexanoic Acid (PFHxA)	mg/l	--	--	<0.0000020	0.000054
Perfluorononanoic Acid (PFNA)	mg/l	--	--	<0.0000020	ND
Perfluorooctane Sulfonamide (PFOSA)	mg/l	--	--	<0.0000040	
Perfluoropentanoic Acid (PFPeA)	mg/l	--	--	<0.0000020	0.000015
Perfluorotetradecanoic Acid (PFTEDA)	mg/l	--	--	<0.0000020	ND
Perfluorotridecanoic Acid (PFTRDA)	mg/l	--	--	<0.0000020	ND
Perfluoroundecanoic Acid (PFUnA)	mg/l	--	--	<0.0000020	ND
VOCs					
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	<0.0004
1,4-Dioxane	mg/l	--	--	<0.02	
Methyl Ethyl Ketone	mg/l	--	--	--	<0.01
Acetone	mg/l	--	--	--	<0.03
Benzene	mg/l	0.001	--	--	**0.0019**
Bromodichloromethane	mg/l	--	--	--	<0.0003
Chlorobenzene	mg/l	0.08	0.03	--	0.001
Chloroethane	mg/l	--	--	--	<0.0002
Chloroform	mg/l	--	--	--	<0.0005
Chloromethane	mg/l	--	--	--	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	--	0.0029
Ethylbenzene	mg/l	0.14	0.0016	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	<0.0004
Methylene Chloride	mg/l	0.05	--	--	<0.0040
o-Xylene	mg/l	--	--	--	<0.0004
Tetrachloroethylene	mg/l	0.01	--	--	<0.0003
Toluene	mg/l	0.06	0.024	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	<0.0004
Trichloroethene	mg/l	0.005	--	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	<0.0005
Vinyl Chloride	mg/l	0.001	--	--	**0.128**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-2M 25-May-2016 S-43	98-2M 06-Jun-2017 98-2M	98-2M 01-Jun-2018 98-2M	98-2M 07-Jun-2019 98-2M	98-2M 21-May-2020 98-2M	98-2M 23-Jun-2021 98-2M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0096	<0.0004	0.0154	0.0101	0.0154	0.0318
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	**0.0312**	**0.0167**	**0.0347**	**0.0212**	**0.0298**	**0.0448**
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0055**	**0.0072**	0.0004	0.0004	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-2S 25-May-2016 S-44	98-2S 06-Jun-2017 98-2S	98-2S 01-Jun-2018 98-2S	98-2S 07-Jun-2019 98-2S	98-2S 21-May-2020 98-2S	98-2S 23-Jun-2021 98-2S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0056	<0.0004	0.0032	0.0009	0.0034	0.0061
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	0.0007	0.0007	0.0005	<0.0003	0.0005	0.0006
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	**0.0655**	**0.0480**	**0.0388**	**0.0091**	**0.0299**	**0.0333**
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-3D 25-May-2016 S-36	98-3D 09-Jun-2017 98-3D	98-3D 01-Jun-2018 98-3D	98-3D 10-Jun-2019 98-3D	98-3D 23-May-2020 98-5D	98-3D 23-Jun-2021 98-5D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0006	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0007	0.0004	0.0005	0.0004	0.0005	0.0008
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-3M 25-May-2016 S-37	98-3M 09-Jun-2017 98-3M	98-3M 01-Jun-2018 98-3M	98-3M 10-Jun-2019 98-3M	98-3M 23-May-2020 98-5M	98-3M 23-Jun-2021 98-5M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0010	0.0006	0.0006	0.0005	0.0006	0.0009
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-3S 25-May-2016 S-38	98-3S 09-Jun-2017 98-3S	98-3S 01-Jun-2018 98-3S	98-3S 10-Jun-2019 98-3S	98-3S 23-May-2020 98-5S	98-3S 23-Jun-2021 98-5S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-5D 25-May-2016 S-33	98-5D 08-Jun-2017 98-5D	98-5D 01-Jun-2018 98-5D	98-5D 07-Jun-2019 98-5D	98-5D 23-May-2020 98-3D	98-5D 23-Jun-2021 98-3D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0086	<0.0004	0.0092	0.0087	0.0097	0.011
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0005	<0.0003	0.0003	0.0004	0.0007	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0045**	**0.0071**	**0.0032**	**0.0033**	**0.0027**	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-5M 25-May-2016 S-35	98-5M 08-Jun-2017 98-5M	98-5M 01-Jun-2018 98-5M	98-5M 07-Jun-2019 98-5M	98-5M 23-May-2020 98-3M	98-5M 23-Jun-2021 98-3M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0004	<0.0003	0.0005	<0.0003	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-5S 25-May-2016 S-34	98-5S 08-Jun-2017 98-5S	98-5S 01-Jun-2018 98-5S	98-5S 07-Jun-2019 98-5S	98-5S 23-May-2020 98-3S	98-5S 23-Jun-2021 98-3S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0012
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-6D 05-Jun-2018 98-6D	98-6D 13-Jun-2019 98-6D
VOCs					
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	0.0017	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03
Benzene	mg/l	0.001	--	**0.0026**	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0083	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	0.0044
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-7M 01-Jun-2018 98-7M	98-7M 06-Jun-2019 98-7M
VOCs					
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	0.0107	0.0137
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03
Benzene	mg/l	0.001	--	0.0006	0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005
Chloromethane	mg/l	--	--	0.0100	0.0117
cis-1,2-Dichloroethene	mg/l	--	--	3.5	3.72
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	0.0106	0.0137
Trichloroethene	mg/l	0.005	--	0.0006	0.0012
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**1.24**	**1.37**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-8M 14-Jun-2016 S-89	98-8M 09-Jun-2017 98-8M	98-8M 29-May-2018 99-8M	98-8M 06-Jun-2019 98-8M	98-8M 18-Jun-2019 98-8M	98-8M 09-Jun-2020 98-8	98-8M 22-Jun-2021 98-8
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	0.0033	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	--	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	--	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	--	**0.0442**	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-8S 14-Jun-2016 S-91	98-8S 09-Jun-2017 98-8S	98-8S 29-May-2018 98-8S	98-8S 06-Jun-2019 98-8S	98-8S 27-May-2020 98-8S	98-8S 22-Jun-2021 98-8S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-9D 14-Jun-2016 S-92	98-9D 07-Sep-2016 98-9D	98-9D 09-Jun-2017 99-9D	98-9D 28-Aug-2017 98-9D	98-9D 29-May-2018 98-9D	98-9D 07-Sep-2018 98-9D	98-9D 07-Jun-2019 98-9D
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	0.0004	<0.0004	0.0005	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	0.0007	0.0008	0.0008	0.0007	0.0008	0.0007	0.0006
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0016	0.0016	<0.0004	<0.0004	0.0017	0.0015	0.0014
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0018	0.0019	0.0015	0.0013	0.0020	0.0018	0.0022
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0052**	**0.0062**	**0.0044**	**0.0069**	**0.0050**	**0.0058**	**0.0047**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-9D 17-Sep-2019 98-9D	98-9D 26-May-2020 98-9D	98-9D 15-Sep-2020 98-9D	98-9D 23-Jun-2021 98-9D	98-9D 14-Sep-2021 98-9D
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	0.0007	0.0009	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0014	<0.0004	0.0015	0.0004	0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0011	0.0027	0.0021	0.0003	0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0039**	**0.0072**	**0.0062**	<0.0002	**0.0053**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-9M 14-Jun-2016 S-93	98-9M 07-Sep-2016 98-9M	98-9M 09-Jun-2017 98-9M	98-9M 28-Aug-2017 98-9M	98-9M 29-May-2018 98-9M	98-9M 07-Sep-2018 98-9M	98-9M 07-Jun-2019 98-9M
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-9M 17-Sep-2019 98-9M	98-9M 26-May-2020 98-9M	98-9M 15-Sep-2020 98-9M	98-9M 23-Jun-2021 98-9M	98-9M 14-Sep-2021 98-9M
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	0.0005	0.0005
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	0.0003	0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-9S 14-Jun-2016 S-94	98-9S 07-Sep-2016 98-9S	98-9S 09-Jun-2017 98-9S	98-9S 28-Aug-2017 98-9S	98-9S 29-May-2018 98-9S	98-9S 07-Sep-2018 98-9S	98-9S 07-Jun-2019 98-9S
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	98-9S 17-Sep-2019 98-9S	98-9S 26-May-2020 98-9S	98-9S 15-Sep-2020 98-9S	98-9S 23-Jun-2021 98-9S
VOCs							
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-1D 26-May-2016 S-59	99-1D 07-Sep-2016 99-1D	99-1D 07-Jun-2017 99-1D	99-1D 29-Aug-2017 99-1D	99-1D 06-Jun-2018 99-1D	99-1D 12-Sep-2018 99-1D	99-1D 13-Jun-2019 99-1D
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0034
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0004	0.0005	0.0003	<0.0003	0.0003	0.0004	0.0005
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-1D 17-Sep-2019 99-1D	99-1D 11-Jun-2020 99-1D	99-1D 17-Sep-2020 99-1D	99-1D 14-Sep-2021 99-1D
VOCs							
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	0.0004	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-1M 26-May-2016 S-60	99-1M 07-Sep-2016 99-1M	99-1M 07-Jun-2017 99-1M	99-1M 29-Aug-2017 99-1M	99-1M 06-Jun-2018 99-1M	99-1M 12-Sep-2018 99-1M	99-1M 13-Jun-2019 99-1M
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0039
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	0.0003	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-1M 17-Sep-2019 99-1M	99-1M 09-Jun-2020 99-1M	99-1M 17-Sep-2020 99-1M	99-1M 14-Sep-2021 99-1M
VOCs							
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	0.0005	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-1S 26-May-2016 S-61	99-1S 07-Sep-2016 99-1S	99-1S 07-Jun-2017 99-1S	99-1S 29-Aug-2017 99-1S	99-1S 06-Jun-2018 99-1S	99-1S 12-Sep-2018 99-1S	99-1S 13-Jun-2019 99-1S
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0039
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	0.0003	<0.0003	0.0003	<0.0003	0.0005	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-1S 17-Sep-2019 99-1S	99-1S 09-Jun-2020 99-1S	99-1S 17-Sep-2020 99-1S	99-1S 14-Sep-2021 99-1S
VOCs							
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	0.0007	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	0.0003	0.0009	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-2D 14-Jun-2016 S-83	99-2D 15-Jun-2017 99-2S	99-2D 05-Jun-2018 99-2S	99-2D 13-Jun-2019 [4] 99-2D	99-2D 28-May-2020 99-2D	99-2D 23-Jun-2021 99-2D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	0.0011	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	0.0035	0.0026
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	0.0151	<0.004	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	0.0037	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	0.0009	0.0006
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0175**	**0.0331**	**0.0727**	**0.0219**	**0.374**	**0.355**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-2S 14-Jun-2016 S-85	99-2S 15-Jun-2017 99-2D	99-2S 05-Jun-2018 99-2D	99-2S 13-Jun-2019 99-2S	99-2S 18-Jun-2019 99-2S	99-2S 28-May-2020 99-2S
Per- and polyfluoroalkyl substances									
Perfluorooctanesulfonic Acid (PFOS)	mg/l	--	--	--	--	--	--	0.0000050	--
Perfluorooctanoic Acid (PFOA)	mg/l	--	--	--	--	--	--	0.000015	--
PePerfluorobutanesulfonic Acid (PFBS)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorobutanoic Acid (PFBA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorodecanesulfonic Acid (PFDS)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorodecanoic Acid (PFDA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorododecanoic Acid (PFDoA)	mg/l	--	--	--	--	--	<0.03	<0.0000020	--
Perfluoroheptanesulfonic Acid (PFHpS)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluoroheptanoic Acid (PFHpA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorohexanesulfonic Acid (PFHxS)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorohexanoic Acid (PFHxA)	mg/l	--	--	--	--	--	--	0.0000026	--
Perfluorononanoic Acid (PFNA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorooctane Sulfonamide (PFOSA)	mg/l	--	--	--	--	--	--	<0.0000040	--
Perfluoropentanoic Acid (PFPeA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorotetradecanoic Acid (PFTEDA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluorotridecanoic Acid (PFTRDA)	mg/l	--	--	--	--	--	--	<0.0000020	--
Perfluoroundecanoic Acid (PFUnA)	mg/l	--	--	--	--	--	--	<0.0000020	--
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
1,4-Dioxane	mg/l	--	--	--	--	--	--	<0.02	--
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	--	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	--	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	--	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0026	0.0029	0.0025	0.0021	--	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	0.0141	<0.0040	<0.0040	--	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	0.0051	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	--	<0.0004
Trichloroethene	mg/l	0.005	--	0.0005	0.0004	0.0007	0.0006	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.458**	**0.34**	**0.5**	**0.244**	--	**0.0130**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-2S 23-Jun-2021 99-2S
Per- and polyfluoroalkyl substances				
Perfluorooctanesulfonic Acid (PFOS)	mg/l	--	--	0.000012
Perfluorooctanoic Acid (PFOA)	mg/l	--	--	0.0000066
PePerfluorobutanesulfonic Acid (PFBS)	mg/l	--	--	0.00000099
Perfluorobutanoic Acid (PFBA)	mg/l	--	--	0.0000025
Perfluorodecanesulfonic Acid (PFDS)	mg/l	--	--	ND
Perfluorodecanoic Acid (PFDA)	mg/l	--	--	ND
Perfluorododecanoic Acid (PFDoA)	mg/l	--	--	ND
Perfluoroheptanesulfonic Acid (PFHpS)	mg/l	--	--	ND
Perfluoroheptanoic Acid (PFHpA)	mg/l	--	--	0.0000012
Perfluorohexanesulfonic Acid (PFHxS)	mg/l	--	--	0.0000029
Perfluorohexanoic Acid (PFHxA)	mg/l	--	--	0.0000012
Perfluorononanoic Acid (PFNA)	mg/l	--	--	ND
Perfluorooctane Sulfonamide (PFOSA)	mg/l	--	--	
Perfluoropentanoic Acid (PFPeA)	mg/l	--	--	0.000001
Perfluorotetradecanoic Acid (PFTEDA)	mg/l	--	--	ND
Perfluorotridecanoic Acid (PFTRDA)	mg/l	--	--	ND
Perfluoroundecanoic Acid (PFUnA)	mg/l	--	--	ND
VOCs				
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004
1,4-Dioxane	mg/l	--	--	--
Methyl Ethyl Ketone	mg/l	--	--	<0.01
Acetone	mg/l	--	--	<0.03
Benzene	mg/l	0.001	--	0.001
Bromodichloromethane	mg/l	--	--	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0006
Chloroethane	mg/l	--	--	<0.0002
Chloroform	mg/l	--	--	<0.0005
Chloromethane	mg/l	--	--	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040
o-Xylene	mg/l	--	--	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0074**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-3D 14-Jun-2016 S-82	99-3D 07-Sep-2016 99-3D	99-3D 09-Jun-2017 99-3D	99-3D 29-Aug-2017 99-3D	99-3D 29-May-2018 99-3A	99-3D 07-Sep-2018 99-3D	99-3D 06-Jun-2019 99-3D
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0132	0.0146	<0.0004	<0.0004	0.0135	0.0119	0.0097
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0034**	**0.0042**	**0.0031**	**0.0039**	**0.0040**	**0.0041**	**0.0030**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-3D 17-Sep-2019 99-3D	99-3D 26-May-2020 99-3D	99-3D 15-Sep-2020 99-3D	99-3D 23-Jun-2021 99-3D	99-3D 14-Sep-2021 99-3D
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0036	0.0200	0.0078	0.0059	0.0060
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	**0.0107**	**0.0021**	<0.0002	**0.0092**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-3M 14-Jun-2016 S-84	99-3M 07-Sep-2016 99-3M	99-3M 09-Jun-2017 99-3M	99-3M 29-Aug-2017 99-3M	99-3M 29-May-2018 99-3M	99-3M 07-Sep-2018 99-3M	99-3M 06-Jun-2019 99-3M
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-3M 17-Sep-2019 99-3M	99-3M 26-May-2020 99-3M	99-3M 15-Sep-2020 99-3M	99-3M 23-Jun-2021 99-3M	99-3M 14-Sep-2021 99-3M
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-3S 14-Jun-2016 [5] 99-3S	99-3S 07-Sep-2016 [5] 99-3S	99-3S 09-Jun-2017 [5] 99-3S	99-3S 29-Aug-2017 [5] 99-3S	99-3S 08-Jun-2018 [5] 99-3S	99-3S 12-Sep-2018 [5] 99-3S	99-3S 06-Jun-2019 [5] 99-3S	99-3S 17-Sep-2019 [5] 99-3S

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-3S 26-May-2020 [5] 99-3S	99-3S 15-Sep-2020 [5] 99-3S

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-4D 14-Jun-2016 S-80	99-4D 07-Sep-2016 99-4D	99-4D 09-Jun-2017 99-4D	99-4D 29-Aug-2017 99-4D	99-4D 29-May-2018 99-4A	99-4D 07-Sep-2018 99-4D	99-4D 06-Jun-2019 99-4D
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	0.0006	0.0005	0.0007	<0.0003	0.0006	<0.0003	0.0005
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-4D 17-Sep-2019 99-4D	99-4D 27-May-2020 99-4D	99-4D 15-Sep-2020 99-4D	99-4D 23-Jun-2021 99-4D	99-4D 14-Sep-2021 99-4D
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	0.0006	0.0009	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-4M 14-Jun-2016 S-81	99-4M 07-Sep-2016 99-4M	99-4M 09-Jun-2017 99-4M	99-4M 29-Aug-2017 99-4M	99-4M 29-May-2018 99-4M	99-4M 07-Sep-2018 99-4M	99-4M 06-Jun-2019 99-4M
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-4M 17-Sep-2019 99-4M	99-4M 27-May-2020 99-4M	99-4M 15-Sep-2020 99-4M	99-4M 23-Jun-2021 99-4M	99-4M 14-Sep-2021 99-4M
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-4S 14-Jun-2016 [5] 99-4S	99-4S 07-Sep-2016 [5] 99-4S	99-4S 09-Jun-2017 [5] 99-4S	99-4S 29-Aug-2017 99-4S	99-4S 08-Jun-2018 [5] 99-4S	99-4S 12-Sep-2018 [5] 99-4S	99-4S 06-Jun-2019 99-4S
VOCs										
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	<0.0005	--	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	--	--	--	<0.0004	--	--	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	<0.0005	--	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	<0.0004	--	--	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	<0.0004	--	--	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	--	--	--	<0.01	--	--	<0.01
Acetone	mg/l	--	--	--	--	--	<0.03	--	--	<0.03
Benzene	mg/l	0.001	--	--	--	--	<0.0005	--	--	<0.0005
Bromodichloromethane	mg/l	--	--	--	--	--	<0.0003	--	--	<0.0003
Chlorobenzene	mg/l	0.08	0.03	--	--	--	<0.0002	--	--	<0.0005
Chloroethane	mg/l	--	--	--	--	--	<0.0002	--	--	<0.0002
Chloroform	mg/l	--	--	--	--	--	<0.0005	--	--	<0.0005
Chloromethane	mg/l	--	--	--	--	--	<0.0002	--	--	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	<0.0004	--	--	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	--	--	--	<0.0005	--	--	<0.0005
m,p-Xylenes	mg/l	--	--	--	--	--	<0.0004	--	--	<0.0004
Methylene Chloride	mg/l	0.05	--	--	--	--	<0.0040	--	--	<0.0040
o-Xylene	mg/l	--	--	--	--	--	<0.0004	--	--	<0.0004
Tetrachloroethylene	mg/l	0.01	--	--	--	--	<0.0003	--	--	<0.0003
Toluene	mg/l	0.06	0.024	--	--	--	<0.0005	--	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	<0.0004	--	--	<0.0004
Trichloroethene	mg/l	0.005	--	--	--	--	<0.0003	--	--	<0.0003
Trichlorofluoromethane	mg/l	--	--	--	--	--	<0.0005	--	--	<0.0005
Vinyl Chloride	mg/l	0.001	--	--	--	--	<0.0002	--	--	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-4S 17-Sep-2019 [5] 99-4S	99-4S 26-May-2020 [5] 99-4S	99-4S 15-Sep-2020 [5] 99-4S	99-4S 22-Jun-2021 [5] 99-4S	99-4S 15-Sep-2021 [5] 99-4S
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/l	--	--	--	--	--	--	--
1,1-Dichloroethylene	mg/l	0.014	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/l	0.2	0.003	--	--	--	--	--
1,4-Dichlorobenzene	mg/l	0.005	0.001	--	--	--	--	--
Methyl Ethyl Ketone	mg/l	--	--	--	--	--	--	--
Acetone	mg/l	--	--	--	--	--	--	--
Benzene	mg/l	0.001	--	--	--	--	--	--
Bromodichloromethane	mg/l	--	--	--	--	--	--	--
Chlorobenzene	mg/l	0.08	0.03	--	--	--	--	--
Chloroethane	mg/l	--	--	--	--	--	--	--
Chloroform	mg/l	--	--	--	--	--	--	--
Chloromethane	mg/l	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--
Ethylbenzene	mg/l	0.14	0.0016	--	--	--	--	--
m,p-Xylenes	mg/l	--	--	--	--	--	--	--
Methylene Chloride	mg/l	0.05	--	--	--	--	--	--
o-Xylene	mg/l	--	--	--	--	--	--	--
Tetrachloroethylene	mg/l	0.01	--	--	--	--	--	--
Toluene	mg/l	0.06	0.024	--	--	--	--	--
trans-1,2-Dichloroethene	mg/l	--	--	--	--	--	--	--
Trichloroethene	mg/l	0.005	--	--	--	--	--	--
Trichlorofluoromethane	mg/l	--	--	--	--	--	--	--
Vinyl Chloride	mg/l	0.001	--	--	--	--	--	--

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-5D 14-Jun-2016 S-86	99-5D 09-Jun-2017 99-5D	99-5D 29-May-2018 99-5D	99-5D 06-Jun-2019 99-5D	99-5D 26-May-2020 99-5D	99-5D 23-Jun-2021 99-5D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	0.0006	0.0006	0.0006	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0004	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	0.0005	0.0003	0.0002	<0.0002	**0.0021**	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-5M 14-Jun-2016 S-87	99-5M 09-Jun-2017 99-5M	99-5M 29-May-2018 99-5M	99-5M 06-Jun-2019 99-5M	99-5M 26-May-2020 99-5M	99-5M 23-Jun-2021 99-5M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0067	<0.0004	0.0064	0.0053	0.0073	0.0055
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0178**	**0.0135**	**0.0112**	**0.0069**	**0.0157**	**0.0038**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-5S 14-Jun-2016 S-88	99-5S 09-Jun-2017 99-5S	99-5S 29-May-2018 99-5S	99-5S 06-Jun-2019 99-5S	99-5S 26-May-2020 99-5S	99-5S 23-Jun-2021 99-5S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-6D 26-May-2016 S-63	99-6D 07-Jun-2017 99-6D	99-6D 06-Jun-2018 99-6D	99-6D 13-Jun-2019 99-6D	99-6D 11-Jun-2020 99-6D	99-6D 23-Jun-2021 99-6D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	0.0044	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-6M 26-May-2016 S-64	99-6M 07-Jun-2017 99-6M	99-6M 06-Jun-2018 99-6M	99-6M 13-Jun-2019 99-6M	99-6M 09-Jun-2020 99-6M	99-6M 23-Jun-2021 99-6M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	0.0101	0.0118	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0146	<0.0004	0.0225	0.0248	0.0016	0.0227
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	0.0048	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	0.0061	0.0049	0.0102	0.0118	0.0007	0.0007
Trichloroethene	mg/l	0.005	--	0.0004	0.0005	0.0007	0.0009	<0.0003	0.0024
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	**0.0014**	0.0007	**0.0023**	**0.0027**	<0.0002	**0.0037**

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-6S 26-May-2016 S-65	99-6S 07-Jun-2017 99-6S	99-6S 06-Jun-2018 99-6S	99-6S 13-Jun-2019 99-6S	99-6S 09-Jun-2020 99-6S	99-6S 23-Jun-2021 99-6S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	0.0047	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-7D 19-May-2016 S-5	99-7D 30-May-2017 99-7D	99-7D 28-May-2018 99-7D	99-7D 03-Jun-2019 99-7D	99-7D 20-May-2020 99-7D	99-7D 23-Jun-2021 99-7D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-7M 19-May-2016 S-6	99-7M 30-May-2017 99-7M	99-7M 28-May-2018 99-7M	99-7M 03-Jun-2019 99-7M	99-7M 20-May-2020 99-7M	99-7M 23-Jun-2021 99-7M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-7S 19-May-2016 S-7	99-7S 30-May-2017 99-7S	99-7S 28-May-2018 99-7S	99-7S 03-Jun-2019 99-7S	99-7S 20-May-2020 99-7S	99-7S 23-Jun-2021 99-7S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	0.0004	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-8D 19-May-2016 S-13	99-8D 30-May-2017 99-8D	99-8D 28-May-2018 99-8D	99-8D 03-Jun-2019 99-8D	99-8D 20-May-2020 99-8D	99-8D 23-Jun-2021 99-8D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-8M 19-May-2016 S-12	99-8M 30-May-2017 99-8M	99-8M 28-May-2018 99-8M	99-8M 03-Jun-2019 99-8M	99-8M 20-May-2020 99-8M	99-8M 23-Jun-2021 99-8M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	0.0183	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-8S 19-May-2016 S-11	99-8S 30-May-2017 99-8S	99-8S 28-May-2018 99-8S	99-8S 03-Jun-2019 99-8S	99-8S 20-May-2020 99-8S	99-8S 23-Jun-2021 99-8S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-9D 19-May-2016 S-8	99-9D 30-May-2017 99-9D	99-9D 28-May-2018 99-9D	99-9D 03-Jun-2019 99-9D	99-9D 20-May-2020 99-9D	99-9D 23-Jun-2021 99-9D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-9M 19-May-2016 S-9	99-9M 30-May-2017 99-9M	99-9M 28-May-2018 99-9M	99-9M 03-Jun-2019 99-9M	99-9M 20-May-2020 99-9M	99-9M 23-Jun-2021 99-9M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	0.0149	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-9S 19-May-2016 S-10	99-9S 30-May-2017 99-9S	99-9S 28-May-2018 99-9S	99-9S 03-Jun-2019 99-9S	99-9S 20-May-2020 99-9S	99-9S 23-Jun-2021 99-9S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-10D 19-May-2016 S-1	99-10D 30-May-2017 99-10D	99-10D 28-May-2018 99-10D	99-10D 03-Jun-2019 99-10D	99-10D 20-May-2020 99-10D	99-10D 23-Jun-2021 99-10D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-10M 19-May-2016 S-2	99-10M 30-May-2017 99-10M	99-10M 28-May-2018 99-10M	99-10M 03-Jun-2019 99-10M	99-10M 20-May-2020 99-10M	99-10M 23-Jun-2021 99-10M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-10S 19-May-2016 S-3	99-10S 30-May-2017 99-10S	99-10S 28-May-2018 99-10S	99-10S 03-Jun-2019 99-10S	99-10S 20-May-2020 99-10S	99-10S 23-Jun-2021 99-10S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-11D 24-May-2016 S-14	99-11D 06-Jun-2017 99-11D	99-11D 28-May-2018 99-11D	99-11D 03-Jun-2019 99-11D	99-11D 20-May-2020 99-11D	99-11D 23-Jun-2021 99-11D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-11M 24-May-2016 S-15	99-11M 06-Jun-2017 99-11M	99-11M 28-May-2018 99-11M	99-11M 03-Jun-2019 99-11M	99-11M 20-May-2020 99-11M	99-11M 23-Jun-2021 99-11M
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	0.100
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	99-11S 24-May-2016 S-16	99-11S 06-Jun-2017 99-11S	99-11S 28-May-2018 99-11S	99-11S 03-Jun-2019 99-11S	99-11S 20-May-2020 99-11S	99-11S 23-Jun-2021 99-11S
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	0.0025	0.0025
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	0.0004	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	LEACHATE 25-May-2016 S-47	LEACHATE 13-Sep-2016 L-1	LEACHATE 06-Jun-2017 L-1	LEACHATE 06-Sep-2017 LEACHATE	LEACHATE 01-Jun-2018 L-1	LEACHATE 12-Sep-2018 L-1
Per- and polyfluoroalkyl substances									
Perfluorooctanesulfonic Acid (PFOS)	mg/l	--	--	--	--	--	--	--	--
Perfluorooctanoic Acid (PFOA)	mg/l	--	--	--	--	--	--	--	--
PePerfluorobutanesulfonic Acid (PFBS)	mg/l	--	--	--	--	--	--	--	--
Perfluorobutanoic Acid (PFBA)	mg/l	--	--	--	--	--	--	--	--
Perfluorodecanesulfonic Acid (PFDS)	mg/l	--	--	--	--	--	--	--	--
Perfluorodecanoic Acid (PFDA)	mg/l	--	--	--	--	--	--	--	--
Perfluorododecanoic Acid (PFDoA)	mg/l	--	--	--	--	--	<0.03	--	--
Perfluoroheptanesulfonic Acid (PFHpS)	mg/l	--	--	--	--	--	--	--	--
Perfluoroheptanoic Acid (PFHpA)	mg/l	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic Acid (PFHxS)	mg/l	--	--	--	--	--	--	--	--
Perfluorohexanoic Acid (PFHxA)	mg/l	--	--	--	--	--	--	--	--
Perfluorononanoic Acid (PFNA)	mg/l	--	--	--	--	--	--	--	--
Perfluorooctane Sulfonamide (PFOSA)	mg/l	--	--	--	--	--	--	--	--
Perfluoropentanoic Acid (PFPeA)	mg/l	--	--	--	--	--	--	--	--
Perfluorotetradecanoic Acid (PFTEDA)	mg/l	--	--	--	--	--	--	--	--
Perfluorotridecanoic Acid (PFTRDA)	mg/l	--	--	--	--	--	--	--	--
Perfluoroundecanoic Acid (PFUnA)	mg/l	--	--	--	--	--	--	--	--
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	0.0006	<0.0004	<0.0004	<0.0004	0.0006
1,4-Dioxane	mg/l	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	0.0005	**0.0014**	<0.0005	<0.0005	<0.0005	**0.0012**
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	0.0006	0.0011	<0.0002	0.0008	0.0007	0.0012
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	LEACHATE 18-Jun-2019 LEACHATE	LEACHATE 18-Jun-2019 LEACHATE	LEACHATE 19-Sep-2019 L-1	LEACHATE 22-May-2020 L-1	LEACHATE 22-May-2020 [6] L-1	LEACHATE 17-Sep-2020 [7] LEACHATE
Per- and polyfluoroalkyl substances									
Perfluorooctanesulfonic Acid (PFOS)	mg/l	--	--	--	0.000041	--	--	0.000033	--
Perfluorooctanoic Acid (PFOA)	mg/l	--	--	--	0.0001	--	--	0.00012	--
PePerfluorobutanesulfonic Acid (PFBS)	mg/l	--	--	--	0.0000032	--	--	0.0000030	--
Perfluorobutanoic Acid (PFBA)	mg/l	--	--	--	0.000014	--	--	0.000015	--
Perfluorodecanesulfonic Acid (PFDS)	mg/l	--	--	--	<0.0000020	--	--	<0.0000020	--
Perfluorodecanoic Acid (PFDA)	mg/l	--	--	--	<0.0000020	--	--	<0.0000020	--
Perfluorododecanoic Acid (PFDoA)	mg/l	--	--	--	<0.0000020	--	--	<0.0000020	--
Perfluoroheptanesulfonic Acid (PFHpS)	mg/l	--	--	--	<0.0000020	--	--	<0.0000020	--
Perfluoroheptanoic Acid (PFHpA)	mg/l	--	--	--	0.00002	--	--	0.00002	--
Perfluorohexanesulfonic Acid (PFHxS)	mg/l	--	--	--	0.000018	--	--	0.000017	--
Perfluorohexanoic Acid (PFHxA)	mg/l	--	--	--	0.00005	--	--	0.000049	--
Perfluorononanoic Acid (PFNA)	mg/l	--	--	--	<0.0000020	--	--	<0.0000020	--
Perfluorooctane Sulfonamide (PFOSA)	mg/l	--	--	--	<0.0000040	--	--	<0.0000040	--
Perfluoropentanoic Acid (PFPeA)	mg/l	--	--	--	0.000022	--	--	0.000023	--
Perfluorotetradecanoic Acid (PFTEDA)	mg/l	--	--	--	<0.0000020	--	--	<0.0000020	--
Perfluorotridecanoic Acid (PFTRDA)	mg/l	--	--	--	<0.0000020	--	--	<0.0000020	--
Perfluoroundecanoic Acid (PFUnA)	mg/l	--	--	--	<0.0000020	--	--	<0.0000020	--
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0005
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	--	<0.0004	<0.0004	--	<0.0005
1,4-Dichlorobenzene	mg/l	0.005	0.001	0.0006	--	<0.0004	0.0004	--	<0.0005
1,4-Dioxane	mg/l	--	--	--	<0.02	--	--	<0.02	<0.0005
Methyl Ethyl Ketone	mg/l	--	--	<0.01	--	<0.01	<0.01	--	<0.0005
Acetone	mg/l	--	--	<0.03	--	<0.03	<0.03	--	<0.0005
Benzene	mg/l	0.001	--	<0.0005	--	0.0009	<0.0005	--	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	--	<0.0003	<0.0003	--	<0.0005
Chlorobenzene	mg/l	0.08	0.03	0.0006	--	0.0010	0.0005	--	<0.0005
Chloroethane	mg/l	--	--	<0.0002	--	<0.0002	<0.0002	--	<0.0005
Chloroform	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005
Chloromethane	mg/l	--	--	<0.0002	--	<0.0002	<0.0002	--	<0.0005
cis-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0005
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	--	<0.0005	<0.0005	--	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0005
Methylene Chloride	mg/l	0.05	--	<0.0040	--	<0.0040	<0.0040	--	<0.0005
o-Xylene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0005
Tetrachloroethylene	mg/l	0.01	--	<0.0003	--	<0.0003	<0.0003	--	<0.0005
Toluene	mg/l	0.06	0.024	<0.0005	--	<0.0005	<0.0005	--	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	--	<0.0004	<0.0004	--	<0.0005
Trichloroethene	mg/l	0.005	--	<0.0003	--	<0.0003	<0.0003	--	<0.0005
Trichlorofluoromethane	mg/l	--	--	<0.0005	--	<0.0005	<0.0005	--	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	--	<0.0002	<0.0002	--	<0.0005

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	MW-2D 01-Jun-2016 S-78	MW-2D 14-Jun-2017 MW-2D	MW-2D 05-Jun-2018 MW-2D	MW-2D 05-Jun-2019 MW-2D	MW-2D 21-May-2020 MW-2D	MW-2D 23-Jun-2021 MW-2D
VOCs									
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0006	<0.0004	0.0007	<0.0004	0.0024	<0.0004
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	0.0079	<0.0040	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0008	<0.0003	0.0010	<0.0003	0.0004	0.0011
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002

Parameter	Unit	ODWQS (169/03)-Health [1]	ODWQS -AO [2]	MW-2M 01-Jun-2016 S-79	MW-2M 14-Jun-2017 MW-2M	MW-2M 05-Jun-2018 MW-2S	MW-2M 05-Jun-2019 MW-2M	MW-2M 21-May-2020 MW-2M
VOCs								
1,1,2,2-Tetrachloroethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloroethane	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,1-Dichloroethylene	mg/l	0.014	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/l	0.2	0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1,4-Dichlorobenzene	mg/l	0.005	0.001	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methyl Ethyl Ketone	mg/l	--	--	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/l	--	--	<0.03	<0.03	<0.03	<0.03	<0.03
Benzene	mg/l	0.001	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bromodichloromethane	mg/l	--	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chlorobenzene	mg/l	0.08	0.03	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005
Chloroethane	mg/l	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chloroform	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chloromethane	mg/l	--	--	<0.0002	<0.0002	0.0002	<0.0002	<0.0002
cis-1,2-Dichloroethene	mg/l	--	--	0.0006	<0.0004	0.0008	<0.0004	0.0027
Ethylbenzene	mg/l	0.14	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
m,p-Xylenes	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methylene Chloride	mg/l	0.05	--	<0.0040	0.0072	<0.0040	<0.0040	<0.0040
o-Xylene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Tetrachloroethylene	mg/l	0.01	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Toluene	mg/l	0.06	0.024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
trans-1,2-Dichloroethene	mg/l	--	--	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Trichloroethene	mg/l	0.005	--	0.0008	<0.0003	0.0010	<0.0003	0.0004
Trichlorofluoromethane	mg/l	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	mg/l	0.001	--	<0.0002	<0.0002	<0.0002	<0.0002	0.0005

Footnotes:

	Tables should be read in conjunction with the accompanying document.
<	Indicates parameter not detected above laboratory method detection limit.
>	Indicates parameter detected above equipment analytical range.
--	Chemical not analyzed or criteria not defined.
Value	Parameter is greater than ODWQS(169/03)-Health
Value	Parameter is greater than ODWQS-AO
(1)	Ontario Drinking Water Quality Standards - Health Based Standards (June 2003, revised January 2020).
(2)	Ontario Drinking Water Quality Standards - Aesthetic Objectives. Aesthetic Objectives are established for parameters that may impair the taste, odour or colour of water or which may interfere with good water quality control practices. For certain parameters, both aesthetic objectives and health-related MACs have been derived (June 2003, revised July 2017).
(3)	Cyanide-NA because no cyanide sample bottle was received.
(4)	Sediment was not included in metals analysis.
(5)	Monitoring location was dry during this sampling event. No sample was collected.
(6)	Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x).
(7)	N-NO2 MRL elevated due to matrix interference (dilution was done).

APPENDIX 10
Inorganic and VOC Surface Water Chemical Data 1983 – 1992
1993 – 2001
2002 – 2012
2013 – 2021

1983 – 1992

Parameter	Unit	[2] [1] PWQO	BD-01-M2 12/1/1983	BD-01-M2 1/4/1984	BD-01-M2 2/7/1984	BD-01-M2 4/5/1984	BD-01-M2 5/22/1984	BD-01-M2 6/25/1985	BD-01-M2 7/30/1985	BD-01-M2 9/25/1985
General Chemistry										
Alkalinity as CaCO3	mg/l	--[3]	1600	2190	--	1169	263	304	162	1158
Ammonia Nitrogen	ug/l	--	89000	150000	--	95000	205000	3500	65000	17800
Biologic Oxygen Demand, Five Day	ug/l	--	>600000	5800000	--	2750000	4600000	>60000	>300000	>60000
Bromide	ug/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	4500000	8640000	--	8220000	9920000	119000	2220000	1308000
Chloride	ug/l	--	475000	654000	--	330000	732000	18000	388000	175000
Color	color unit	--	--	--	--	--	--	80	201	--
Conductivity (Field)	us/cm	--	5300	6600	--	3900	7400	700	3800	2400
Hardness, Calcium Carbonate	ug/l	--	--	2450000	--	1440000	2850000	--	--	1050000
Nitrate	ug/l	--	<2000	<2000	--	<10000	<10000	<1000	<2000	<500
Nitrite	ug/l	--	200	600	--	<1000	<1000	<100	<200	<50
pH (Field)	-	8.5	6.2	6.6	--	6.6	6.6	7.5	7.1	7.2
Phosphorus	ug/l	--[4]	400	<200	--	<1000	1000	<10	<200	<60
Total Suspended Solids	ug/l	--	930000	585000	--	281000	339000	51000	65000	510000
Turbidity	ntu	--[5]	--	250	--	--	--	28	3	125
Metals										
Aluminum, Dissolved	ug/l	--[6]	1100	1300	560	3000	1300	130	16	130
Arsenic	ug/l	100	4	3	1	1	6	--	--	--
Barium	ug/l	--	--	--	--	--	--	50	500	93
Cadmium	ug/l	0.2[7]	**13**	**14**	**100**	0.2	**20**	<2	<2	<2
Calcium	ug/l	--	592000	680000	--	370000	705000	84000	364000	297000
Chromium	ug/l	--[8]	43	42	60	7	77	<10	68	42
Cobalt	ug/l	0.9	**77**	**45**	**220**	**15**	**150**	<10	**22**	<10
Copper	ug/l	5	**47**	**65**	**52**	**10**	**97**	**37**	**29**	**13**
Iron	ug/l	300	--	--	--	--	--	**5700**	**8100**	**3800**
Lead	ug/l	--[9]	240	200	140	3	110	<30	<30	<30
Magnesium	ug/l	--	165000	183000	--	125000	265000	34000	144000	75000
Manganese	ug/l	--	--	--	--	370	15000	<10	7600	8300
Mercury	ug/l	0.2	**280**	**140**	**30**	**180**	**430**	**20**	**40**	**50**
Molybdenum	ug/l	40	--	--	--	--	--	--	<10	<10
Nickel	ug/l	25	**130**	**79**	**40**	--	**140**	<30	24	<10
Potassium	ug/l	--	129000	200000	--	92000	245000	4600	70000	51000
Silver	ug/l	0.1	--	--	--	--	--	--	--	--
Sodium	ug/l	--	394000	672000	--	330000	715000	19000	--	122000
Strontium	ug/l	--	--	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	--	--
Vanadium	ug/l	6	--	--	--	--	--	<10	<10	<10
Zinc	ug/l	30	**1000**	**1600**	**2500**	**86**	**4400**	30	**82**	26

Parameter	Unit	(2) (1) PWQO	BD-01-M2 10/28/1985	BD-01-M2 11/25/1985	BD-01-M2 12/10/1985	BD-01-M2 4/21/1986	BD-01-M2 5/29/1986	BD-01-M2 6/30/1986	BD-01-M2 7/28/1986	BD-01-M2 8/28/1986
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	--	289	310	258	318	354	785	340
Ammonia Nitrogen	ug/l	--	--	200	1100	6240	2000	2200	22500	300
Biologic Oxygen Demand, Five Day	ug/l	--	>12000	9800	>24000	8000	>6000	>24000	37500	9600
Bromide	ug/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	84000	40000	84000	97000	78000	96000	150600	30000
Chloride	ug/l	--	--	12000	13000	16400	103800	17800	113400	12900
Color	color unit	--	64	56	56	58	40	101	--	20
Conductivity (Field)	us/cm	--	--	580	600	542	618	680	1890	672
Hardness, Calcium Carbonate	ug/l	--	--	330000	339000	--	282000	--	--	369000
Nitrate	ug/l	--	800	780	780	<20	920	380	450	5200
Nitrite	ug/l	--	80	300	20	<2	80	20	50	80
pH (Field)	-	8.5	--	7.9	7.8	7.5	8	7.9	7.6	8.1
Phosphorus	ug/l	--(4)	<20	4	<10	<2	18	<20	<50	<20
Total Suspended Solids	ug/l	--	--	11000	--	--	27000	9000	252000	20000
Turbidity	ntu	--(5)	31	4.4	--	9.5	44	2.1	68	3.5
Metals										
Aluminum, Dissolved	ug/l	--(6)	130	49	58	130	<40	33	180	230
Arsenic	ug/l	100	--	--	--	--	--	<2	--	--
Barium	ug/l	--	49	32	34	45	630	62	430	56
Cadmium	ug/l	0.2(7)	<2	<0.3	<2	<0.3	<3	--	<2	<3
Calcium	ug/l	--	--	85000	85000	68000	65000	88000	194000	88000
Chromium	ug/l	--(8)	<10	<1	<10	<1	<5	10	32	6
Cobalt	ug/l	0.9	<10	<1	<10	<1	**4**	<5	**12**	<10
Copper	ug/l	5	<10	1	<10	--	--	**6**	**11**	<3
Iron	ug/l	300	**3600**	**1800**	**3000**	**3000**	**9500**	**16000**	**36000**	**1000**
Lead	ug/l	--(9)	<30	<3	<30	<3	<30	<15	<15	<30
Magnesium	ug/l	--	--	29000	31000	25000	29000	32000	80000	36000
Manganese	ug/l	--	530	440	550	570	530	740	3200	630
Mercury	ug/l	0.2	**10**	**10**	<10	**10**	<10	**10**	**60**	**10**
Molybdenum	ug/l	40	<10	<1	<10	<11	<3	5	<5	<3
Nickel	ug/l	25	<10	<2	<10	2	<15	**50**	11	<15
Potassium	ug/l	--	--	1000	--	1800	1100	4000	31000	2600
Silver	ug/l	0.1	--	--	--	--	--	**5**	--	--
Sodium	ug/l	--	--	36000	--	6900	11000	16000	126000	11800
Strontium	ug/l	--	--	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	--	--
Vanadium	ug/l	6	<10	<1	<10	<1	<4	6	**8**	<4
Zinc	ug/l	30	<10	6	<10	4	<10	<10	**48**	**34**

Parameter	Unit	(2) (1) PWQO	BD-01-M2 9/29/1986	BD-01-M2 11/27/1986	BD-01-M2 4/22/1987	BD-01-M2 5/28/1987	BD-01-M2 6/26/1987	BD-01-M2 7/31/1987	BD-01-M2 8/27/1987	BD-01-M2 9/24/1987
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	407	282	862	825	724	1024	784	473
Ammonia Nitrogen	ug/l	--	5900	2000	41300	30000	37000	58000	57500	19500
Biologic Oxygen Demand, Five Day	ug/l	--	11000	3600	3000	12000	>6000	>29000	11000	>24000
Bromide	ug/l	--	--	--	--	--	--	--	<500	--
Chemical Oxygen Demand	ug/l	--	39000	23000	164000	200000	83000	170000	197000	143000
Chloride	ug/l	--	51400	25900	282100	178500	264900	525000	526000	403000
Color	color unit	--	>70.00	68	--	--	8	--	--	--
Conductivity (Field)	us/cm	--	855	513	2270	2630	2060	3130	3170	2550
Hardness, Calcium Carbonate	ug/l	--	372000	244000	288000	487000	519000	474000	712000	669000
Nitrate	ug/l	--	140	400	500	<500	100	<200	--	800
Nitrite	ug/l	--	60	<2	<50	200	1100	2600	<50	1200
pH (Field)	-	8.5	8.1	7.7	6.9	7.9	7.7	7.7	8	7.4
Phosphorus	ug/l	--(4)	--	20	<5	50	20	40	50	<100
Total Suspended Solids	ug/l	--	13000	15000	--	137000	62000	--	170000	--
Turbidity	ntu	--(5)	12	8	80	30	2.8	24	35	22
Metals										
Aluminum, Dissolved	ug/l	--(6)	--	180	73	--	<15	95	<150	44
Arsenic	ug/l	100	--	--	--	--	--	--	--	--
Barium	ug/l	--	--	29	180	--	130	210	280	--
Cadmium	ug/l	0.2(7)	--	<2	<2	--	<2	<2	<15	<2
Calcium	ug/l	--	90000	61300	114600	66000	112600	143000	134000	182000
Chromium	ug/l	--(8)	--	28	20	--	<5	<5	9400	15
Cobalt	ug/l	0.9	--	<5	**7**	--	<5	<8	<50	**7**
Copper	ug/l	5	--	<5	<5	--	<5	5	<50	<5
Iron	ug/l	300	--	**2600**	**6200**	--	<15	290	48	**3700**
Lead	ug/l	--(9)	--	<15	<51	--	<15	<15	<150	20
Magnesium	ug/l	--	36000	22000	600	78400	57800	28400	91600	52300
Manganese	ug/l	--	--	150	910	--	31	530	730	910
Mercury	ug/l	0.2	--	**10**	**10**	--	**10**	**200**	**50**	**40**
Molybdenum	ug/l	40	--	<5	<5	--	<5	<5	<50	<5
Nickel	ug/l	25	--	5	9	--	<5	9	<50	15
Potassium	ug/l	--	11400	4000	56000	57800	32100	63100	63800	48600
Silver	ug/l	0.1	--	--	--	--	--	--	--	--
Sodium	ug/l	--	32000	18200	239000	319700	252000	335000	328000	276000
Strontium	ug/l	--	--	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	--	--
Vanadium	ug/l	6	--	<5	<5	--	**7**	<5	<50	**10**
Zinc	ug/l	30	--	19	**57**	--	<10	<10	<100	16

Parameter	Unit	(2) (1) PWQO	BD-01-M2 5/18/1988	BD-01-M2 6/28/1988	BD-01-M2 7/27/1988	BD-01-M2 8/31/1988	BD-01-M2 9/30/1988	BD-01-M2 10/27/1988	BD-01-M2 4/24/1989	BD-01-M2 5/15/1989
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	329	1028	570	680	461	133	259	323
Ammonia Nitrogen	ug/l	--	6000	45000	11500	23300	11800	300	4400	5400
Biologic Oxygen Demand, Five Day	ug/l	--	<1000	>12000	28000	10000	7600	1000	7000	5000
Bromide	ug/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	54000	130000	150000	129000	93000	41000	33000	40000
Chloride	ug/l	--	58200	425000	292000	421000	--	26900	39900	37000
Color	color unit	--	>70.00	75	--	--	98	64	24	>70.00
Conductivity (Field)	us/cm	--	760	2950	1850	2400	1850	431	608	676
Hardness, Calcium Carbonate	ug/l	--	302000	--	612000	637000	508000	203000	262000	--
Nitrate	ug/l	--	360	380	350	<500	350	600	<40	480
Nitrite	ug/l	--	40	20	650	100	150	<20	<40	46
pH (Field)	-	8.5	7.6	7.7	7.7	7.6	7.5	7.1	7.6	7.4
Phosphorus	ug/l	--(4)	<10	2	20	<50	<50	<20	<40	3
Total Suspended Solids	ug/l	--	6000	28000	54000	41000	27000	3000	8000	6000
Turbidity	ntu	--(5)	15	18	23	11	8.7	1	5.4	11
Metals										
Aluminum, Dissolved	ug/l	--(6)	<10	39	72	110	160	40	<10	130
Arsenic	ug/l	100	--	--	--	--	--	--	--	--
Barium	ug/l	--	41	230	140	160	73	<20	40	54
Cadmium	ug/l	0.2(7)	<5	<5	**5**	<5	<5	<5	<5	**1.9**
Calcium	ug/l	--	73500	--	168300	140000	121000	52300	63400	--
Chromium	ug/l	--(8)	<2	26	<5	27	20	<5	<5	13
Cobalt	ug/l	0.9	<5	**8**	<5	<5	<5	<5	**8**	**5**
Copper	ug/l	5	**1200**	**15**	**8**	4	2	3	**27**	**9**
Iron	ug/l	300	120	**380**	**3500**	**590**	**2000**	<50	**1100**	**1500**
Lead	ug/l	--(9)	<2	<10	10	<10	<10	<10	20	80
Magnesium	ug/l	--	29000	--	46600	70000	50000	17500	25200	--
Manganese	ug/l	--	<10	420	<480	300	250	500	86	88
Mercury	ug/l	0.2	<5	**20**	--	**30**	--	<10	**20**	**20**
Molybdenum	ug/l	40	<5	6	<5	<5	<5	<5	9	8
Nickel	ug/l	25	**200**	11	<5	8	<5	<5	10	22
Potassium	ug/l	--	11000	55400	62800	68000	38000	3300	5000	5500
Silver	ug/l	0.1	--	--	--	--	--	--	--	--
Sodium	ug/l	--	43300	290000	187400	263000	192000	13200	29600	29200
Strontium	ug/l	--	--	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	--	--
Vanadium	ug/l	6	--	<5	<5	<5	<5	<5	**11**	**15**
Zinc	ug/l	30	<5	<5	7	17	22	7	9	25

Parameter	Unit	(2) (1) PWQO	BD-01-M2 6/28/1989	BD-01-M2 7/25/1989	BD-01-M2 8/15/1989	BD-01-M2 9/25/1989	BD-01-M2 4/27/1990	BD-01-M2 5/29/1990	BD-01-M2 6/29/1990	BD-01-M2 7/31/1990
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	437	592	891	584	351.1	355.5	416.7	--
Ammonia Nitrogen	ug/l	--	3000	16600	46300	10400	7500	5000	7600	16000
Biologic Oxygen Demand, Five Day	ug/l	--	4000	>60000	42000	>12000	9000	--	4000	>12000
Bromide	ug/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	60000	67000	234000	120000	--	--	33000	78000
Chloride	ug/l	--	58600	157200	376200	210400	43100	39100	52800	129600
Color	color unit	--	--	--	>70.00	115	--	--	--	--
Conductivity (Field)	us/cm	--	905	1420	2610	1590	731	690	80.7	1284
Hardness, Calcium Carbonate	ug/l	--	365000	445000	519000	516000	336000	--	331500	--
Nitrate	ug/l	--	<200	580	1650	920	180	440	220	130
Nitrite	ug/l	--	4800	20	48	80	146	60	80	70
pH (Field)	-	8.5	7.5	7.8	7.2	7.7	7.6	7.6	8.1	--
Phosphorus	ug/l	--(4)	<20	<20	4	<40	<50	<20	<20	--
Total Suspended Solids	ug/l	--	18000	149000	70000	11000	13000	9200	21000	--
Turbidity	ntu	--(5)	30	32	8.8	4.4	6.8	17	28	--
Metals										
Aluminum, Dissolved	ug/l	--(6)	70	100	130	820	50	350	100	1100
Arsenic	ug/l	100	--	--	--	--	--	--	--	--
Barium	ug/l	--	82	210	270	61	50	50	68	120
Cadmium	ug/l	0.2(7)	**1.5**	**2**	**5.9**	<0.2	**2.8**	<0.2	**2.2**	**5.2**
Calcium	ug/l	--	88000	97300	88800	126000	82800	73200	80200	--
Chromium	ug/l	--(8)	4	7.3	6	6.9	2	1	<1	24
Cobalt	ug/l	0.9	**6**	**5**	**11**	**2**	**1.2**	<0.5	**5.1**	**8.9**
Copper	ug/l	5	3.2	5	**7.9**	3	2.4	**32**	**5.8**	**77**
Iron	ug/l	300	**5300**	**2200**	130	**1500**	**2000**	**2700**	**2800**	**3500**
Lead	ug/l	--(9)	25	50	48	<5	35	5	22	<5
Magnesium	ug/l	--	35300	49100	72100	49200	28300	29000	31800	--
Manganese	ug/l	--	610	14	840	250	130	130	160	890
Mercury	ug/l	0.2	<10	**20**	**30**	<10	<20	<20	<20	--
Molybdenum	ug/l	40	8	5	14	<5	5.1	1.5	8.3	3.1
Nickel	ug/l	25	9	20	12	9	18	3	11	<1
Potassium	ug/l	--	10200	25600	52600	24600	10100	6700	10600	25700
Silver	ug/l	0.1	--	--	--	--	--	--	--	--
Sodium	ug/l	--	60400	113700	286000	135000	40200	33200	42500	97500
Strontium	ug/l	--	--	--	--	--	180	200	260	310
Titanium	ug/l	--	--	--	--	--	2.4	<0.5	1.6	12
Vanadium	ug/l	6	**7**	5	6	<5	**10**	<0.5	5.7	**7.6**
Zinc	ug/l	30	6	5	21	**77**	14	19	9	**100**

Parameter	Unit	(2) (1) PWQO	BD-01-M2 8/28/1990	BD-01-M2 9/29/1990	BD-01-M2 10/30/1990	BD-01-M2 11/29/1990	BD-01-M2 4/30/1991	BD-01-M2 9/24/1991
General Chemistry								
Alkalinity as CaCO3	mg/l	--(3)	--	300.5	293.4	323.8	--	--
Ammonia Nitrogen	ug/l	--	64000	4800	2800	3300	--	--
Biologic Oxygen Demand, Five Day	ug/l	--	29000	10000	<4000	<4000	--	--
Bromide	ug/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	119000	60000	24000	24000	--	--
Chloride	ug/l	--	--	130500	41300	39300	26600	355000
Color	color unit	--	--	>70	--	37	--	--
Conductivity (Field)	us/cm	--	2650	1166	686	716	--	--
Hardness, Calcium Carbonate	ug/l	--	--	--	279000	--	--	--
Nitrate	ug/l	--	<200	1200	2640	1620	--	--
Nitrite	ug/l	--	40	100	60	80	--	--
pH (Field)	-	8.5	7.3	7.7	7.6	7.5	--	--
Phosphorus	ug/l	--(4)	<20	<20	--	<1	--	--
Total Suspended Solids	ug/l	--	369000	31000	6000	13000	--	--
Turbidity	ntu	--(5)	--	16	2.6	3.4	--	--
Metals								
Aluminum, Dissolved	ug/l	--(6)	--	71	38	8	--	--
Arsenic	ug/l	100	--	--	--	--	--	--
Barium	ug/l	--	--	70	34	30	--	--
Cadmium	ug/l	0.2(7)	--	**2.2**	**2.1**	<0.2	--	--
Calcium	ug/l	--	--	95100	69100	75300	--	--
Chromium	ug/l	--(8)	--	<1	1	0.7	--	--
Cobalt	ug/l	0.9	--	**7.2**	**4.2**	<1	--	--
Copper	ug/l	5	--	2.5	2	1.3	3.4	2
Iron	ug/l	300	--	**2300**	**630**	**440**	**1900**	**420**
Lead	ug/l	--(9)	--	37	14	<1	--	--
Magnesium	ug/l	--	--	369000	26000	28800	--	--
Manganese	ug/l	--	--	250	44	25	--	--
Mercury	ug/l	0.2	**40**	<20	<20	<20	--	--
Molybdenum	ug/l	40	--	13	5.2	<1	--	--
Nickel	ug/l	25	--	8	10	3	--	--
Potassium	ug/l	--	50500	22700	9400	7050	--	--
Silver	ug/l	0.1	--	--	--	--	--	--
Sodium	ug/l	--	226000	87400	30400	14500	--	--
Strontium	ug/l	--	--	250	210	180	--	--
Titanium	ug/l	--	--	3.6	3.1	10	--	--
Vanadium	ug/l	6	--	**7.4**	1.5	<1	--	--
Zinc	ug/l	30	--	18	5.1	12	--	--

Parameter	Unit	(2) (1) PWQO	BD-02-M2 12/1/1983	BD-02-M2 1/4/1984	BD-02-M2 4/5/1984	BD-02-M2 5/22/1984	BD-02-M2 6/25/1985	BD-02-M2 7/30/1985	BD-02-M2 8/27/1985	BD-02-M2 9/25/1985
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	286	530	173	457	292	186	780	789
Ammonia Nitrogen	ug/l	--	6300	20000	2400	19000	11000	47000	40000	52500
Biologic Oxygen Demand, Five Day	ug/l	--	>60000	430000	31000	150000	8400	13000	39000	4200
Chemical Oxygen Demand	ug/l	--	152000	560000	45000	610000	29000	76000	56000	138000
Chloride	ug/l	--	54000	128000	35000	118000	88000	340000	375000	789000
Color	color unit	--	163	--	80	--	50	135	58	66
Conductivity (Field)	us/cm	--	780	1420	460	1120	980	2400	2350	2600
Hardness, Calcium Carbonate	ug/l	--	--	510000	175000	409000	--	--	550000	580000
Nitrate	ug/l	--	560	<200	200	<1000	<1000	<200	500	<500
Nitrite	ug/l	--	40	40	<20	<1000	200	<200	1120	50
pH (Field)	-	8.5	7.1	7.1	7.5	7.1	7.6	7.6	7.6	7.6
Phosphorus	ug/l	--(4)	--	20	20	<1000	<100	<200	<20	<50
Total Suspended Solids	ug/l	--	27000	90000	39000	45000	16000	22000	12000	38000
Turbidity	ntu	--(5)	35	100	8	--	25	5.2	1.6	25
Metals										
Aluminum, Dissolved	ug/l	--(6)	96	130	370	120	63	<300	46	34
Arsenic	ug/l	100	1	1	1	1	--	--	--	--
Barium	ug/l	--	--	--	--	--	100	160	180	200
Cadmium	ug/l	0.2(7)	0.2	**3**	0.2	**0.3**	<2	<2	<2	<2
Calcium	ug/l	--	84000	164000	44000	102000	79000	55000	103000	109000
Chromium	ug/l	--(8)	2	11	2	6	<10	15	15	13
Cobalt	ug/l	0.9	**2**	**13**	**2**	**3**	<10	<10	<10	<10
Copper	ug/l	5	--	**12**	5	4	<10	<10	<10	<10
Iron	ug/l	300	7	--	--	--	**3900**	**1000**	130	**1200**
Lead	ug/l	--(9)	6	--	3	3	<30	<30	<30	<30
Magnesium	ug/l	--	25000	24000	16000	37000	36000	69000	71000	75000
Manganese	ug/l	--	--	--	270	1100	560	550	200	490
Mercury	ug/l	0.2	**10**	**20**	**20**	**10**	**20**	**40**	**10**	**10**
Molybdenum	ug/l	40	--	--	--	--	<10	10	<10	<10
Nickel	ug/l	25	6	20	4	5	<10	<10	11	<10
Potassium	ug/l	--	8800	23000	4900	16000	13000	50000	--	46000
Sodium	ug/l	--	38000	88000	24000	68000	59000	--	--	247000
Strontium	ug/l	--	--	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	10	--
Vanadium	ug/l	6	--	--	--	--	<10	<10	<10	<10
Zinc	ug/l	30	25	**110**	29	14	<10	<10	14	<10

Parameter	Unit	[2] [1] PWQO	BD-02-M2 10/28/1985	BD-02-M2 11/25/1985	BD-02-M2 12/10/1985	BD-02-M2 4/21/1986	BD-02-M2 5/29/1986	BD-02-M2 6/30/1986	BD-02-M2 7/28/1986	BD-02-M2 8/28/1986
General Chemistry										
Alkalinity as CaCO3	mg/l	--[3]	--	324	393	348	411	461	622	309
Ammonia Nitrogen	ug/l	--	16700	6000	7700	7800	10500	15000	27000	4800
Biologic Oxygen Demand, Five Day	ug/l	--	4500	1600	7800	2400	2200	3600	5600	2800
Chemical Oxygen Demand	ug/l	--	60000	30000	44000	45000	37000	50000	106000	48000
Chloride	ug/l	--	--	60000	73000	29200	100400	132800	296100	83600
Color	color unit	--	112	76	126	117	--	94	77	58
Conductivity (Field)	us/cm	--	--	770	950	883	998	1153	1970	919
Hardness, Calcium Carbonate	ug/l	--	--	330000	380000	--	--	--	--	334000
Nitrate	ug/l	--	30	100	200	<20	<200	<20	200	400
Nitrite	ug/l	--	10	300	<20	8	20	20	400	3600
pH (Field)	-	8.5	--	8	7.3	7.5	8	7.9	8.1	7.6
Phosphorus	ug/l	--[4]	4	<20	<20	<2	42	<20	<20	<20
Total Suspended Solids	ug/l	--	--	14000	--	--	11000	38000	9000	11000
Turbidity	ntu	--[5]	37	18	--	21	12	18	7	9.4
Metals										
Aluminum, Dissolved	ug/l	--[6]	150	18	160	94	60	<15	62	220
Arsenic	ug/l	100	--	--	--	--	--	<2	--	--
Barium	ug/l	--	100	63	97	84	140	120	170	120
Cadmium	ug/l	0.2[7]	<2	<0.3	<2	<0.3	<3	--	<2	<3
Calcium	ug/l	--	--	85000	93000	79000	--	91000	101000	78000
Chromium	ug/l	--[8]	11	<1	<10	<1	<5	10	11	<5
Cobalt	ug/l	0.9	<10	<1	<10	<1	<3	<5	**5**	<10
Copper	ug/l	5	<10	1	<10	--	--	<5	**6**	<3
Iron	ug/l	300	**3200**	**2600**	**8300**	**4000**	**2400**	**3000**	**1020**	**3500**
Lead	ug/l	--[9]	<30	<3	<30	<3	<30	<15	<15	<30
Magnesium	ug/l	--	--	29000	36000	30000	--	39000	60000	34000
Manganese	ug/l	--	600	1	550	240	730	390	280	340
Mercury	ug/l	0.2	**10**	**10**	<10	<10	<10	<10	**10**	**10**
Molybdenum	ug/l	40	<10	<1	<10	<10	<3	<5	<5	<3
Nickel	ug/l	25	<10	2	<10	2	<15	<5	<5	<15
Potassium	ug/l	--	--	8000	--	9800	14000	20000	42000	12600
Sodium	ug/l	--	--	39000	--	36000	48000	83000	200000	54800
Strontium	ug/l	--	--	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	--	--
Vanadium	ug/l	6	<10	<1	<10	<1	<4	<5	**7**	<4
Zinc	ug/l	30	<10	9	<10	2	3	<10	12	11

Parameter	Unit	(2) (1) PWQO	BD-02-M2 9/29/1986	BD-02-M2 11/27/1986	BD-02-M2 4/22/1987	BD-02-M2 5/28/1987	BD-02-M2 6/26/1987	BD-02-M2 7/31/1987	BD-02-M2 8/27/1987	BD-02-M2 9/24/1987
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	334	366	458	483	628	817	790	526
Ammonia Nitrogen	ug/l	--	6600	3400	13500	15800	28000	42000	50000	18000
Biologic Oxygen Demand, Five Day	ug/l	--	14000	2400	7000	8000	>12000	>24000	12000	24000
Chemical Oxygen Demand	ug/l	--	39000	18000	58000	94000	83000	113000	252000	109000
Chloride	ug/l	--	68200	39400	103500	178500	238300	817000	513000	311000
Color	color unit	--	--	61	58	<70	5	--	--	62
Conductivity (Field)	us/cm	--	839	598	1102	1510	1850	2690	2920	2250
Hardness, Calcium Carbonate	ug/l	--	350000	246000	282000	340000	444000	601000	463000	708000
Nitrate	ug/l	--	720	20	400	<500	<200	200	<500	700
Nitrite	ug/l	--	80	<2	<20	100	3000	4400	2600	2300
pH (Field)	-	8.5	7.6	7.6	7.5	7.7	7.6	7.9	8.1	7.5
Phosphorus	ug/l	--(4)	<20	20	<20	50	40	20	<50	<100
Total Suspended Solids	ug/l	--	14000	6000	--	17000	4000	--	34000	--
Turbidity	ntu	--(5)	13	7.6	4.7	13	1.9	37	2.5	5.3
Metals										
Aluminum, Dissolved	ug/l	--(6)	--	83	53	--	<15	110	<150	47
Arsenic	ug/l	100	--	--	--	--	5	--	--	--
Barium	ug/l	--	--	39	110	--	110	220	180	--
Cadmium	ug/l	0.2(7)	--	<2	<2	--	<2	<2	<15	<2
Calcium	ug/l	--	86000	66800	78800	54800	93600	99200	70700	163000
Chromium	ug/l	--(8)	--	10	9	--	8	12	14000	14
Cobalt	ug/l	0.9	--	<5	<5	--	<5	**8**	<50	**6**
Copper	ug/l	5	--	<5	<5	--	<5	<5	<50	<5
Iron	ug/l	300	--	**1700**	**3800**	--	**330**	110	**310**	**960**
Lead	ug/l	--(9)	--	<1500	<15	--	<15	<15	<150	15
Magnesium	ug/l	--	33000	23500	20900	49500	51200	85800	69500	72800
Manganese	ug/l	--	--	160	680	--	230	67	84	470
Mercury	ug/l	0.2	--	<10	**10**	--	**10**	**10**	**10**	**10**
Molybdenum	ug/l	40	--	<5	<5	--	<5	10	<50	<5
Nickel	ug/l	25	--	<5	<5	--	5	10	<50	10
Potassium	ug/l	--	11100	5700	17400	35400	30000	58700	64400	40500
Sodium	ug/l	--	46000	27100	91100	138000	179000	294000	339000	219000
Strontium	ug/l	--	--	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	--	--
Vanadium	ug/l	6	--	<5	<5	--	**10**	5	<50	<5
Zinc	ug/l	30	--	11	<10	--	<10	<10	<100	12

Parameter	Unit	(2) (1) PWQO	BD-02-M2 4/7/1988	BD-02-M2 5/18/1988	BD-02-M2 6/28/1988	BD-02-M2 7/27/1988	BD-02-M2 8/31/1988	BD-02-M2 9/30/1988	BD-02-M2 10/27/1988	BD-02-M2 4/24/1989
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	--	306	807	542	533	346	313	280
Ammonia Nitrogen	ug/l	--	--	9400	38000	11500	20500	9500	6700	5200
Biologic Oxygen Demand, Five Day	ug/l	--	--	1000	>12000	>7000	>6000	14000	>6000	5000
Chemical Oxygen Demand	ug/l	--	--	65000	14500	120000	97000	93000	48000	30000
Chloride	ug/l	--	--	81700	375000	262000	276000	--	72700	48900
Color	color unit	--	--	>70.00	>5.00	60	62	71	55	26
Conductivity (Field)	us/cm	--	--	880	2500	1730	1134	1400	867	663
Hardness, Calcium Carbonate	ug/l	--	--	326000	--	600000	504000	436000	339000	271000
Nitrate	ug/l	--	--	<400	260	1500	200	750	1340	<400
Nitrite	ug/l	--	--	<40	140	6500	300	250	260	<40
pH (Field)	-	8.5	--	7.7	8	7.9	7.8	7.5	7.4	7.9
Phosphorus	ug/l	--(4)	--	<40	40	800	<50	<50	20	<40
Total Suspended Solids	ug/l	--	--	9000	14000	14000	11000	23000	3000	9000
Turbidity	ntu	--(5)	--	28	4.2	4.3	2.4	4.9	4	8.8
Metals										
Aluminum, Dissolved	ug/l	--(6)	85	<10	--	--	130	260	37	100
Arsenic	ug/l	100	--	--	--	--	--	--	--	--
Barium	ug/l	--	53	88	--	--	180	100	55	64
Cadmium	ug/l	0.2(7)	<2	<5	--	--	<5	<5	<5	<5
Calcium	ug/l	--	--	78600	--	166600	118000	115000	86700	67200
Chromium	ug/l	--(8)	5	<2	--	--	23	3	<5	<5
Cobalt	ug/l	0.9	<5	**7**	--	--	<5	**14**	<5	**6**
Copper	ug/l	5	<5	**3500**	--	--	**6**	3	**6**	**31**
Iron	ug/l	300	**1700**	240	--	--	**940**	**1000**	**450**	**2200**
Lead	ug/l	--(9)	<15	<2	--	--	<10	<10	10	15
Magnesium	ug/l	--	--	31600	--	44700	51000	36000	29700	25200
Manganese	ug/l	--	19	<10	--	--	190	120	73	140
Mercury	ug/l	0.2	**10**	**5**	--	--	**30**	**30**	<10	<10
Molybdenum	ug/l	40	<5	<5	--	--	5	<5	<5	13
Nickel	ug/l	25	<5	**260**	--	--	6	<5	<5	10
Potassium	ug/l	--	--	12000	47300	65100	60000	29000	12700	5100
Sodium	ug/l	--	--	57400	263000	175500	194000	138000	41600	33100
Strontium	ug/l	--	--	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	--	--
Vanadium	ug/l	6	<5	--	--	--	<5	<5	<5	**7**
Zinc	ug/l	30	13	<5	--	--	15	<5	18	13

Parameter	Unit	(2) (1) PWQO	BD-02-M2 5/15/1989	BD-02-M2 6/28/1989	BD-02-M2 7/25/1989	BD-02-M2 8/15/1989	BD-02-M2 9/25/1989	BD-02-M2 4/27/1990	BD-02-M2 5/29/1990	BD-02-M2 6/29/1990
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	294	452	537	842	498	312.4	378.5	394.9
Ammonia Nitrogen	ug/l	--	4800	11500	14300	41300	14000	6000	7700	8000
Biologic Oxygen Demand, Five Day	ug/l	--	3000	5000	5000	120000	>12000	11000	--	2000
Chemical Oxygen Demand	ug/l	--	40000	6200	83000	173000	100000	--	--	35000
Chloride	ug/l	--	41200	88900	156600	355900	190400	45600	56000	61800
Color	color unit	--	>70.00	>70.00	>70.00	>70.00	92	--	--	--
Conductivity (Field)	us/cm	--	642	1039	1257	2520	1500	637	788	815
Hardness, Calcium Carbonate	ug/l	--	--	373000	406000	630000	481000	320000	--	329000
Nitrate	ug/l	--	250	<200	1140	630	960	880	160	50
Nitrite	ug/l	--	32	800	380	450	240	550	40	50
pH (Field)	-	8.5	7.4	7.7	7.9	7.5	7.8	7.6	7.7	7.3
Phosphorus	ug/l	--(4)	4	<20	4	12	<40	<50	<20	10
Total Suspended Solids	ug/l	--	10000	10000	9000	13000	7000	74000	20400	8000
Turbidity	ntu	--(5)	16.8	11	6.3	5.5	5	33	25	22
Metals										
Aluminum, Dissolved	ug/l	--(6)	180	66	160	97	150	46	290	97
Arsenic	ug/l	100	--	--	--	--	--	--	--	--
Barium	ug/l	--	91	160	110	220	120	68	110	110
Cadmium	ug/l	0.2(7)	<0.2	**2.7**	**2**	**5.8**	**0.4**	**1.9**	<0.2	**1.9**
Calcium	ug/l	--	--	87400	85200	128000	118000	84700	78700	79500
Chromium	ug/l	--(8)	11	4	7	5	6.1	3	<1	<1
Cobalt	ug/l	0.9	**4**	**5**	**5**	**12**	**3**	**3.4**	<0.5	**4.4**
Copper	ug/l	5	1	1.9	5	**11**	3.4	1.1	**16**	**6.9**
Iron	ug/l	300	**2400**	**1800**	**550**	280	**720**	**1500**	**4100**	**1300**
Lead	ug/l	--(9)	110	47	50	57	<5	32	11	31
Magnesium	ug/l	--	--	37600	47100	75400	45300	26400	29700	31700
Manganese	ug/l	--	120	340	170	370	150	160	380	210
Mercury	ug/l	0.2	**200**	<10	<10	**40**	<10	<20	<20	<20
Molybdenum	ug/l	40	<5	6	5	14	2	9.4	1.3	10
Nickel	ug/l	25	15	15	20	17	5	13	4	12
Potassium	ug/l	--	3700	12700	24000	51800	27200	10600	8100	10700
Sodium	ug/l	--	28200	73200	107000	257000	123000	36200	40000	43000
Strontium	ug/l	--	--	--	--	--	--	190	240	280
Titanium	ug/l	--	--	--	--	--	--	2.4	<0.5	1.6
Vanadium	ug/l	6	**13**	**11**	5	**8**	<5	**9.4**	<0.5	4.6
Zinc	ug/l	30	**210**	5	5	**1100**	8	2.4	20	8.1

Parameter	Unit	(2) (1) PWQO	BD-02-M2 7/31/1990	BD-02-M2 8/28/1990	BD-02-M2 9/29/1990	BD-02-M2 10/30/1990	BD-02-M2 11/29/1990
General Chemistry							
Alkalinity as CaCO3	mg/l	--(3)	--	817	458.8	385.2	401.8
Ammonia Nitrogen	ug/l	--	22000	39000	20000	8250	9400
Biologic Oxygen Demand, Five Day	ug/l	--	<1000	3000	8000	<4000	5000
Chemical Oxygen Demand	ug/l	--	71000	--	74000	33000	33000
Chloride	ug/l	--	148400	--	180800	81200	78100
Color	color unit	--	--	73	>70	52	--
Conductivity (Field)	us/cm	--	1350	2110	1570	965	995
Hardness, Calcium Carbonate	ug/l	--	--	--	--	339000	--
Nitrate	ug/l	--	<200	<100	910	880	1440
Nitrite	ug/l	--	2600	10	90	70	160
pH (Field)	-	8.5	--	7.9	7.9	7.7	7.7
Phosphorus	ug/l	--(4)	--	<10	<10	--	<1
Total Suspended Solids	ug/l	--	--	70000	34000	18000	35000
Turbidity	ntu	--(5)	--	4.2	17	7.5	9.3
Metals							
Aluminum, Dissolved	ug/l	--(6)	1200	--	76	210	22
Arsenic	ug/l	100	--	--	--	--	--
Barium	ug/l	--	110	--	160	84	69
Cadmium	ug/l	0.2(7)	**6.5**	--	**4.1**	**2.3**	0.2
Calcium	ug/l	--	--	--	96700	83700	88400
Chromium	ug/l	--(8)	<1	--	1	<1	1
Cobalt	ug/l	0.9	**36**	--	**10**	**8.4**	**2**
Copper	ug/l	5	**330**	--	2.1	2.6	3
Iron	ug/l	300	**1300**	--	**1100**	**1300**	**1000**
Lead	ug/l	--(9)	100	--	52	23	<1
Magnesium	ug/l	--	--	--	45900	31600	34600
Manganese	ug/l	--	950	--	250	150	150
Mercury	ug/l	0.2	<20	<20	<20	<20	<20
Molybdenum	ug/l	40	<0.5	--	6.2	10	<1
Nickel	ug/l	25	<1	--	14	9	**87**
Potassium	ug/l	--	24900	39500	29900	14400	13150
Sodium	ug/l	--	104000	191000	122000	51300	45100
Strontium	ug/l	--	310	--	400	290	220
Titanium	ug/l	--	35	--	6.1	14	12
Vanadium	ug/l	6	<0.5	--	**9.6**	3.5	<1
Zinc	ug/l	30	**700**	--	8.9	11	24

Parameter	Unit	(2) (1) PWQO	BD-03-M2 4/18/1990	BD-03-M2 4/27/1990	BD-03-M2 5/29/1990	BD-03-M2 6/29/1990	BD-03-M2 7/31/1990	BD-03-M2 8/28/1990	BD-03-M2 9/29/1990	BD-03-M2 10/30/1990
General Chemistry										
Alkalinity as CaCO3	mg/l	-- (3)	228	242.6	358.5	381.9	--	432.5	425.8	350.7
Ammonia, unionized	ug/l	20	520000000	--	--	--	--	--	--	--
Ammonia Nitrogen	ug/l	--	4600	410	6600	7250	10500	600	120	6500
Biologic Oxygen Demand, Five Day	ug/l	--	<1000	4000	--	4000	>6000	12000	8000	8000
Bromide	ug/l	--	<500	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	21000	--	--	30000	60000	--	81000	43000
Chloride	ug/l	--	39000	73600	51900	58600	101000	--	175400	72400
Color	color unit	--	20	--	--	--	--	75	>70	--
Conductivity (Field)	us/cm	--	600	707	744	792	1024	1153	1500	877
Cyanide	ug/l	5 (10)	<10	--	--	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	-- (11)	9.8	--	--	--	--	--	--	--
Fluoride	ug/l	--	60	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	234000	302000	--	311200	--	--	--	328000
Nitrate	ug/l	--	430	570	160	110	960	66000	1430	1750
Nitrite	ug/l	--	<100	2680	40	90	440	540	--	50
Nitrogen, Total Kjeldahl	ug/l	--	10100	--	--	--	--	--	--	--
pH (Field)	-	8.5	7.2	7.8	7.8	7.8	--	8.1	8	7.8
Phosphate	ug/l	--	<100	--	--	--	--	--	--	--
Phosphorus	ug/l	-- (4)	<100	50	<20	10	--	<10	<10	--
Sulfate	ug/l	--	20000	--	--	--	--	--	17500	--
Temperature (Field)	deg c	-- (12)	7	--	--	--	--	--	--	--
Total Suspended Solids	ug/l	--	--	12000	23200	9000	--	145000	24000	37000
Turbidity	ntu	-- (5)	8.7	2.9	18	19	--	4.6	4.1	28
Metals										
Aluminum, Dissolved	ug/l	-- (6)	<30	110	370	94	1400	--	100	1100
Arsenic	ug/l	100	<20	--	--	--	--	--	--	--
Barium	ug/l	--	60	62	110	100	180	--	150	83
Beryllium	ug/l	-- (13)	40	--	--	--	--	--	--	--
Boron	ug/l	200 (7)	<10	--	--	--	--	--	--	--
Cadmium	ug/l	0.2 (7)	--	**1.7**	<0.2	**2.3**	**8.8**	--	**3.5**	**1.7**
Calcium	ug/l	--	54000	83600	76000	74600	--	--	102000	82000
Chromium	ug/l	-- (8)	<10	1	<1	<1	11	--	<1	2
Cobalt	ug/l	0.9	**20**	**1.4**	0.9	**4.4**	**18**	--	**7.9**	**7.5**
Copper	ug/l	5	<2	1.1	**29**	**5.3**	**48**	--	**12**	**7.1**
Iron	ug/l	300	**460**	**670**	**2700**	**1200**	180	--	**1000**	**2400**
Lead	ug/l	-- (9)	<2	33	18	21	<5	--	45	18
Magnesium	ug/l	--	24000	22800	28800	30400	--	--	42900	30000
Manganese	ug/l	--	90	65	300	150	14	--	170	150
Mercury	ug/l	0.2	--	<20	<20	<20	<20	<20	<20	<20
Molybdenum	ug/l	40	<10	10	4.4	8.8	>0.5	--	6.2	5.2
Nickel	ug/l	25	<20	7	16	14	22	--	8	13
Potassium	ug/l	--	6000	7800	--	9700	17700	23700	29200	11700
Silicon	ug/l	--	2400	--	--	--	--	--	--	--
Silver	ug/l	0.1	<1	--	--	--	--	--	--	--
Sodium	ug/l	--	25000	49300	37200	36200	74200	99300	115000	--
Strontium	ug/l	--	200	180	250	280	420	--	380	290
Sulfur	ug/l	--	7600	--	--	--	--	--	--	--
Thallium	ug/l	0.3 (14)	<10	--	--	--	--	--	--	--
Titanium	ug/l	--	20	5.8	1.4	1.4	7.8	--	2.4	53
Vanadium	ug/l	6	**30**	**6.9**	<0.5	5.1	>0.5	--	**8.9**	3.7
Zinc	ug/l	30	10	4.5	20	11	**65**	--	16	17

Parameter	Unit	(2) (1) PWQO	BD-03-M2 11/29/1990	BD-03-M2 3/27/1991	BD-03-M2 4/30/1991	BD-03-M2 5/27/1991	BD-03-M2 6/27/1991	BD-03-M2 8/15/1991	BD-03-M2 9/24/1991	BD-03-M2 10/28/1991
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	387.1	--	--	--	--	--	--	--
Ammonia, unionized	ug/l	20	--	--	--	--	--	--	--	--
Ammonia Nitrogen	ug/l	--	8300	--	--	--	--	--	--	--
Biologic Oxygen Demand, Five Day	ug/l	--	<4000	2000	1700	35000	1200	--	3600	2000
Bromide	ug/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	25000	--	--	--	--	--	--	--
Chloride	ug/l	--	76300	30000	33400	69100	245600	115600	199300	201600
Color	color unit	--	39	--	--	--	--	--	--	--
Conductivity (Field)	us/cm	--	924	--	--	--	--	--	--	--
Cyanide	ug/l	5(10)	--	--	--	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	--(11)	--	--	--	--	--	--	--	--
Fluoride	ug/l	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	--	--	--	--	--	--	--	--
Nitrate	ug/l	--	1270	--	--	--	--	--	--	--
Nitrite	ug/l	--	130	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	--	--	--	--	--	--	--	--
pH (Field)	-	8.5	7.9	--	--	--	--	--	--	--
Phosphate	ug/l	--	--	--	--	--	--	--	--	--
Phosphorus	ug/l	--(4)	<1	--	--	--	--	--	--	--
Sulfate	ug/l	--	--	--	--	--	--	--	--	--
Temperature (Field)	deg c	--(12)	--	--	--	--	--	--	--	--
Total Suspended Solids	ug/l	--	37000	--	--	--	--	--	--	--
Turbidity	ntu	--(5)	8.2	--	--	--	--	--	--	--
Metals										
Aluminum, Dissolved	ug/l	--(6)	33	--	--	--	--	--	--	--
Arsenic	ug/l	100	--	--	--	--	--	--	--	--
Barium	ug/l	--	68	--	--	--	--	--	--	--
Beryllium	ug/l	--(13)	--	--	--	--	--	--	--	--
Boron	ug/l	200(7)	--	--	--	--	--	--	--	--
Cadmium	ug/l	0.2(7)	<0.1	--	--	--	--	--	--	--
Calcium	ug/l	--	87700	--	--	--	--	--	--	--
Chromium	ug/l	--(8)	1.1	--	--	--	--	--	--	--
Cobalt	ug/l	0.9	<1	--	--	--	--	--	--	--
Copper	ug/l	5	1.3	4.5	4.7	<0.5	<0.5	3	**35**	**7.2**
Iron	ug/l	300	**790**	**600**	**2300**	**1300**	40	160	**430**	130
Lead	ug/l	--(9)	<1	--	--	--	--	--	--	--
Magnesium	ug/l	--	33900	--	--	--	--	--	--	--
Manganese	ug/l	--	120	--	--	--	--	--	--	--
Mercury	ug/l	0.2	<20	--	--	--	--	--	--	--
Molybdenum	ug/l	40	<1	--	--	--	--	--	--	--
Nickel	ug/l	25	<1	--	--	--	--	--	--	--
Potassium	ug/l	--	12100	--	--	--	--	--	--	--
Silicon	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	--	--	--	--	--	--	--	--
Sodium	ug/l	--	35400	--	--	--	--	--	--	--
Strontium	ug/l	--	240	--	--	--	--	--	--	--
Sulfur	ug/l	--	--	--	--	--	--	--	--	--
Thallium	ug/l	0.3(14)	--	--	--	--	--	--	--	--
Titanium	ug/l	--	13	--	--	--	--	--	--	--
Vanadium	ug/l	6	<1	--	--	--	--	--	--	--
Zinc	ug/l	30	6.1	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	BD-03-M2 8/20/1992	BD-03-M2 11/16/1992
General Chemistry				
Alkalinity as CaCO3	mg/l	--[3]	380	340
Ammonia, unionized	ug/l	20	**730000000**	120000000
Ammonia Nitrogen	ug/l	--	4200	8700
Biologic Oxygen Demand, Five Day	ug/l	--	4000	<3000
Bromide	ug/l	--	560	220
Chemical Oxygen Demand	ug/l	--	70000	42000
Chloride	ug/l	--	160000	89000
Color	color unit	--	100	80
Conductivity (Field)	us/cm	--	1250	925
Cyanide	ug/l	5[10]	<1	<2
Dissolved Oxygen (Field)	mg/l	--[11]	2	6.4
Fluoride	ug/l	--	250	160
Hardness, Calcium Carbonate	ug/l	--	340000	340000
Nitrate	ug/l	--	600	520
Nitrite	ug/l	--	200	<100
Nitrogen, Total Kjeldahl	ug/l	--	5900	9400
pH (Field)	-	8.5	7.4	6.4
Phosphate	ug/l	--	<10	10
Phosphorus	ug/l	--[4]	140	40
Sulfate	ug/l	--	20000	49000
Temperature (Field)	deg c	--[12]	12	3
Total Suspended Solids	ug/l	--	--	--
Turbidity	ntu	--[5]	8	20
Metals				
Aluminum, Dissolved	ug/l	--[6]	390	<50
Arsenic	ug/l	100	0.9	0.6
Barium	ug/l	--	190	90
Beryllium	ug/l	--[13]	<5	<5
Boron	ug/l	200[7]	**310**	170
Cadmium	ug/l	0.2[7]	<0.2	<0.2
Calcium	ug/l	--	78000	85000
Chromium	ug/l	--[8]	<10	<10
Cobalt	ug/l	0.9	<50	**10**
Copper	ug/l	5	**30**	**17**
Iron	ug/l	300	**1900**	**2200**
Lead	ug/l	--[9]	44	19
Magnesium	ug/l	--	36000	30000
Manganese	ug/l	--	410	420
Mercury	ug/l	0.2	--	--
Molybdenum	ug/l	40	<500	<300
Nickel	ug/l	25	<25	<10
Potassium	ug/l	--	13000	10000
Silicon	ug/l	--	1200	5700
Silver	ug/l	0.1	<0.1	**0.2**
Sodium	ug/l	--	100000	38000
Strontium	ug/l	--	470	440
Sulfur	ug/l	--	--	--
Thallium	ug/l	0.3[14]	--	--
Titanium	ug/l	--	10	<5
Vanadium	ug/l	6	<5	<5
Zinc	ug/l	30	20	<10

Parameter	Unit	(2) (1) PWQO	BD-04-M2 4/18/1990	BD-04-M2 4/27/1990	BD-04-M2 5/29/1990	BD-04-M2 6/29/1990	BD-04-M2 7/31/1990	BD-04-M2 8/28/1990
General Chemistry								
Alkalinity as CaCO3	mg/l	--(3)	154	272.6	293.8	293.4	--	280.7
Ammonia Nitrogen	ug/l	--	--	30	3200	450	400	--
Biologic Oxygen Demand, Five Day	ug/l	--	1000	5000	--	4000	<2000	--
Bromide	ug/l	--	<500	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	21000	--	--	24000	30000	--
Chloride	ug/l	--	57000	45600	75800	75800	86300	--
Color	color unit	--	24	--	--	--	--	--
Conductivity (Field)	us/cm	--	500	658	727	743	756	1066
Cyanide	ug/l	5(10)	<10	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	--(11)	10.6	--	--	--	--	--
Fluoride	ug/l	--	50	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	196000	326000	--	244300	--	--
Nitrate	ug/l	--	340	1600	870	3240	7080	--
Nitrite	ug/l	--	<100	4400	130	310	20	--
Nitrogen, Total Kjeldahl	ug/l	--	500	--	--	--	--	--
pH (Field)	-	8.5	7.8	7.3	8.3	8.2	--	8.3
Phosphate	ug/l	--	<100	--	--	--	--	--
Phosphorus	ug/l	--(4)	100	17	<20	10	--	--
Sulfate	ug/l	--	26000	--	--	--	--	--
Temperature (Field)	deg c	--(12)	10	--	--	--	--	--
Total Suspended Solids	ug/l	--	--	14000	12800	24000	--	--
Turbidity	ntu	--(5)	2.6	7.7	6.1	5.6	--	--
Metals								
Aluminum, Dissolved	ug/l	--(6)	<30	320	380	180	400	--
Arsenic	ug/l	100	<20	--	--	--	--	--
Barium	ug/l	--	40	97	72	74	70	--
Beryllium	ug/l	--(13)	30	--	--	--	--	--
Boron	ug/l	200(7)	<10	--	--	--	--	--
Cadmium	ug/l	0.2(7)	<0.2	**1.5**	<0.5	**1.5**	**2.3**	--
Calcium	ug/l	--	52000	88400	74200	57800	--	--
Chromium	ug/l	--(8)	<10	5	<1	<1	4	--
Cobalt	ug/l	0.9	<20	**6.6**	**1.3**	**5.4**	**4**	--
Copper	ug/l	5	<2	**5.7**	**5.2**	1.7	**7.7**	--
Iron	ug/l	300	20	**4900**	**1000**	**640**	**760**	--
Lead	ug/l	--(9)	<2	38	<5	26	23	--
Magnesium	ug/l	--	16000	25500	24900	24300	--	--
Manganese	ug/l	--	<5	320	140	140	170	--
Mercury	ug/l	0.2	--	--	<20	<20	<20	<20
Molybdenum	ug/l	40	<10	5.8	2	10	3.7	--
Nickel	ug/l	25	**40**	12	12	9	5	--
Potassium	ug/l	--	3000	7100	5700	6400	6400	--
Silicon	ug/l	--	400	--	--	--	--	--
Silver	ug/l	0.1	<1	--	--	--	--	--
Sodium	ug/l	--	31000	35500	46300	52100	56500	100000
Strontium	ug/l	--	140	210	210	250	230	--
Sulfur	ug/l	--	11000	--	--	--	--	--
Thallium	ug/l	0.3(14)	<10	--	--	--	--	--
Titanium	ug/l	--	<10	17	2.6	2.5	7.1	--
Vanadium	ug/l	6	**30**	**8.3**	<0.5	**8.9**	5.3	--
Zinc	ug/l	30	<10	**47**	11	**46**	**38**	--

Parameter	Unit	(2) (1) PWQO	BD-04-M2 9/29/1990	BD-04-M2 10/30/1990	BD-04-M2 11/29/1990	BD-04-M2 4/30/1991	BD-04-M2 9/24/1991
General Chemistry							
Alkalinity as CaCO3	mg/l	--(3)	348.4	265.6	296.1	--	--
Ammonia Nitrogen	ug/l	--	10000	1400	28000	--	--
Biologic Oxygen Demand, Five Day	ug/l	--	2000	2000	<4000	--	--
Bromide	ug/l	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	56000	29000	28000	--	--
Chloride	ug/l	--	225000	80900	81100	52600	365800
Color	color unit	--	45	38	23	--	--
Conductivity (Field)	us/cm	--	1490	798	830	--	--
Cyanide	ug/l	5(10)	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	--(11)	--	--	--	--	--
Fluoride	ug/l	--	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	--	287000	--	--	--
Nitrate	ug/l	--	<100	2030	23400	--	--
Nitrite	ug/l	--	55	70	3600	--	--
Nitrogen, Total Kjeldahl	ug/l	--	--	--	--	--	--
pH (Field)	-	8.5	8.2	8.1	8	--	--
Phosphate	ug/l	--	--	--	--	--	--
Phosphorus	ug/l	--(4)	<10	--	<1	--	--
Sulfate	ug/l	--	--	--	--	--	--
Temperature (Field)	deg c	--(12)	--	--	--	--	--
Total Suspended Solids	ug/l	--	20000	4000	16000	--	--
Turbidity	ntu	--(5)	1.4	1.4	3.3	--	--
Metals							
Aluminum, Dissolved	ug/l	--(6)	61	130	84	--	--
Arsenic	ug/l	100	--	--	--	--	--
Barium	ug/l	--	110	59	55	--	--
Beryllium	ug/l	--(13)	--	--	--	--	--
Boron	ug/l	200(7)	--	--	--	--	--
Cadmium	ug/l	0.2(7)	**2.7**	**4.1**	<0.1	--	--
Calcium	ug/l	--	107000	74800	75700	--	--
Chromium	ug/l	--(8)	<1	<1	<0.5	--	--
Cobalt	ug/l	0.9	**7.8**	**5**	<1	--	--
Copper	ug/l	5	2.4	4.2	1.5	3.7	**50**
Iron	ug/l	300	300	**330**	280	**760**	**600**
Lead	ug/l	--(9)	50	17	<1	--	--
Magnesium	ug/l	--	40500	24300	28000	--	--
Manganese	ug/l	--	38	24	54	--	--
Mercury	ug/l	0.2	<20	<20	<20	--	--
Molybdenum	ug/l	40	7	9.7	<1	--	--
Nickel	ug/l	25	12	8	2	--	--
Potassium	ug/l	--	19200	7900	8250	--	--
Silicon	ug/l	--	--	--	--	--	--
Silver	ug/l	0.1	--	--	--	--	--
Sodium	ug/l	--	153000	48400	35300	--	--
Strontium	ug/l	--	360	--	220	--	--
Sulfur	ug/l	--	--	--	--	--	--
Thallium	ug/l	0.3(14)	--	--	--	--	--
Titanium	ug/l	--	2.7	8.2	15	--	--
Vanadium	ug/l	6	**6.3**	3.5	<1	--	--
Zinc	ug/l	30	9.5	20	10	--	--

Parameter	Unit	(2) (1) PWQO	BD-05-M2 5/22/1984	BD-05-M2 6/25/1985	BD-05-M2 7/30/1985	BD-05-M2 10/28/1985	BD-05-M2 11/25/1985	BD-05-M2 12/1/1985	BD-05-M2 4/21/1986	BD-05-M2 5/29/1986
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	556	--	329	--	274	278	222	257
Ammonia Nitrogen	ug/l	--	9000	<10	350	--	2010	300	6100	<100
Biologic Oxygen Demand, Five Day	ug/l	--	30000	<200	2400	1200	400	800	<1000	200
Bromide	ug/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	610000	2000	16000	14000	<10000	20000	18000	23000
Chloride	ug/l	--	200000	5000	--	--	6000	5000	2900	--
Color	color unit	--	--	--	--	16	10	<0.1	13	--
Conductivity (Field)	us/cm	--	1500	560	620	--	570	560	450	530
Hardness, Calcium Carbonate	ug/l	--	629000	--	--	--	342000	321000	--	--
Nitrate	ug/l	--	<2000	1120	2280	2600	2600	1400	1100	40
Nitrite	ug/l	--	200	8	220	8	20	<20	<2	<100
pH (Field)	-	8.5	7.1	8.1	7.8	--	8.2	7.7	7.8	7.8
Phosphorus	ug/l	--(4)	200	2	<10	8	--	<20	12	220
Total Suspended Solids	ug/l	--	--	--	106000	--	30000	--	--	100000
Turbidity	ntu	--(5)	--	0.8	37	3.1	0.75	--	0.6	--
Metals										
Aluminum, Dissolved	ug/l	--(6)	1600	58	2400	360	<4	53	78	250
Arsenic	ug/l	100	17	--	--	--	--	--	--	--
Barium	ug/l	--	--	18	86	30	20	16	15	23
Cadmium	ug/l	0.2(7)	**10**	**2**	<2	<2	<0.3	<2	<3	<3
Calcium	ug/l	--	175000	59000	65000	--	88000	80000	60000	--
Chromium	ug/l	--(8)	10	10	18	<10	<1	<10	<1	3
Cobalt	ug/l	0.9	**82**	<10	<10	<10	<1	<10	<1	**2**
Copper	ug/l	5	**11**	<10	**15**	<10	1	<10	1	--
Iron	ug/l	300	--	<30	**1500**	140	37	<30	<50	**3000**
Lead	ug/l	--(9)	130	<30	<30	<30	<3	<30	<3	<3
Magnesium	ug/l	--	47000	--	30000	--	29000	29000	23000	--
Manganese	ug/l	--	4600	33	1900	110	13	18	20	180
Mercury	ug/l	0.2	**40**	<10	--	**10**	<10	<10	--	**10**
Molybdenum	ug/l	40	--	<10	<10	<10	<1	<10	<1	<1
Nickel	ug/l	25	**58**	<10	<10	<10	<2	<10	<2	2
Potassium	ug/l	--	3400	600	900	--	1000	--	300	8900
Sodium	ug/l	--	97000	--	--	--	--	--	2300	3200
Strontium	ug/l	--	--	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	--	--
Vanadium	ug/l	6	--	<10	<10	<10	<1	<10	<1	<1
Zinc	ug/l	30	**120**	<10	12	<10	4	<10	1	6

Parameter	Unit	(2) (1) PWQO	BD-05-M2 6/30/1986	BD-05-M2 8/28/1986	BD-05-M2 9/29/1986	BD-05-M2 11/27/1986	BD-05-M2 4/22/1987	BD-05-M2 4/7/1988	BD-05-M2 5/18/1988	BD-05-M2 4/24/1989
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	290	--	322	288	300	--	277	256
Ammonia Nitrogen	ug/l	--	30	20	200	10	8400	--	40	3000
Biologic Oxygen Demand, Five Day	ug/l	--	300	400	600	400	15000	--	<1000	17000
Bromide	ug/l	--	--	2100	--	3400	--	--	--	--
Chemical Oxygen Demand	ug/l	--	8000	<400	22000	<10000	66000	--	8000	41000
Chloride	ug/l	--	3300	5100	5100	6400	11100	--	8600	11000
Color	color unit	--	3	2	13	5	31	--	17	>70.00
Conductivity (Field)	us/cm	--	553	654	622	566	592	--	510	509
Hardness, Calcium Carbonate	ug/l	--	--	354000	360000	335000	267000	--	303000	260000
Nitrate	ug/l	--	2680	--	2580	--	160	--	2090	400
Nitrite	ug/l	--	16	4	20	2	240	--	14	<40
pH (Field)	-	8.5	7.6	--	7.7	7.6	7.6	--	7.5	7.6
Phosphorus	ug/l	--(4)	4	4	20	24	20	--	2	<40
Total Suspended Solids	ug/l	--	10000	23000	51000	<1000	--	--	10000	19000
Turbidity	ntu	--(5)	2.8	4.5	5.5	0.65	7	--	2.3	17
Metals										
Aluminum, Dissolved	ug/l	--(6)	180	490	--	52	61	<15	<10	160
Arsenic	ug/l	100	<2	--	--	--	--	--	--	--
Barium	ug/l	--	23	35	--	19	65	14	<20	57
Cadmium	ug/l	0.2(7)	--	<3	--	<2	<2	<1.5	<5	<5
Calcium	ug/l	--	82000	86000	92000	85400	71400	--	77700	65900
Chromium	ug/l	--(8)	6	<5	--	47	630	<50	<2	10
Cobalt	ug/l	0.9	<5	<10	--	<5	<5	<5	<5	**6**
Copper	ug/l	5	**10**	<3	--	<5	**10**	<5	<50	**8**
Iron	ug/l	300	100	**800**	--	91	**1400**	<15	33	**2800**
Lead	ug/l	--(9)	<15	<30	--	<15	<15	<15	<2	27
Magnesium	ug/l	--	27000	34000	32000	29500	21700	--	26600	23100
Manganese	ug/l	--	34	170	--	32	2000	10	40	2200
Mercury	ug/l	0.2	<10	**10**	--	**20**	**20**	--	<5	--
Molybdenum	ug/l	40	<5	3	--	<5	20	<5	<5	9
Nickel	ug/l	25	<5	15	--	8	20	<5	**55**	10
Potassium	ug/l	--	<1000	900	1900	480	1900	--	710	820
Sodium	ug/l	--	9000	2200	4000	3600	7500	--	3800	5900
Strontium	ug/l	--	--	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	--	--
Vanadium	ug/l	6	<5	<4	--	<5	<5	<5	--	<5
Zinc	ug/l	30	<10	14	--	12	<10	5	<5	8

Parameter	Unit	(2) (1) PWQO	BD-05-M2 5/15/1989	BD-05-M2 6/28/1989	BD-05-M2 4/27/1990	BD-05-M2 5/29/1990	BD-05-M2 6/29/1990	BD-05-M2 7/31/1990	BD-05-M2 8/28/1990	BD-05-M2 10/30/1990
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	242	318	214.4	250.6	286	--	279.8	303.9
Ammonia Nitrogen	ug/l	--	2000	500	40	200	250	100	500	<50
Biologic Oxygen Demand, Five Day	ug/l	--	>6000	2000	<1000	--	4000	<2000	1000	<2000
Bromide	ug/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	10000	16000	--	--	21000	32000	--	63000
Chloride	ug/l	--	8400	7000	8300	8200	76100	9800	--	12400
Color	color unit	--	58	--	--	--	--	--	40	--
Conductivity (Field)	us/cm	--	483	590	432	457	782	641	1073	646
Hardness, Calcium Carbonate	ug/l	--	--	330000	281000	--	272500	--	--	347000
Nitrate	ug/l	--	1050	390	2130	1400	3330	3670	80	3900
Nitrite	ug/l	--	28	610	75	20	420	30	20	<10
pH (Field)	-	8.5	7.2	7.3	7.5	7.6	8.1	--	8.1	7.3
Phosphorus	ug/l	--(4)	6	<20	37	<20	10	--	<10	--
Total Suspended Solids	ug/l	--	10000	25000	2000	20000	8000	--	--	286000
Turbidity	ntu	--(5)	6.8	23	0.6	1	3.6	--	4.1	56
Metals										
Aluminum, Dissolved	ug/l	--(6)	97	260	--	460	430	410	--	6300
Arsenic	ug/l	100	--	--	--	--	--	--	--	--
Barium	ug/l	--	56	85	--	22	92	48	--	99
Cadmium	ug/l	0.2(7)	**2.9**	**0.8**	--	<0.2	**1.5**	**3**	--	**2**
Calcium	ug/l	--	--	83900	77700	64700	68800	--	--	88200
Chromium	ug/l	--(8)	31	1	--	4	<1	4	--	19
Cobalt	ug/l	0.9	**7**	**4**	--	**1.8**	**7.1**	**8.5**	--	**9.7**
Copper	ug/l	5	**52**	2.3	--	**8.3**	**6.8**	**15**	--	**34**
Iron	ug/l	300	**1800**	**5400**	--	200	**1200**	**980**	--	**7900**
Lead	ug/l	--(9)	20	52	--	<5	25	40	--	38
Magnesium	ug/l	--	--	29300	21100	23500	24400	--	--	30700
Manganese	ug/l	--	2100	1400	--	79	480	480	--	930
Mercury	ug/l	0.2	**30**	**20**	--	**30**	<20	**40**	--	<20
Molybdenum	ug/l	40	8	5	--	<5.5	10	8.7	--	9
Nickel	ug/l	25	19	15	--	**29**	10	13	--	19
Potassium	ug/l	--	600	900	6000	500	6300	800	--	700
Sodium	ug/l	--	5500	38000	5300	3900	52600	5500	99500	6000
Strontium	ug/l	--	--	--	--	46	250	74	--	73
Titanium	ug/l	--	--	--	--	1.7	2.8	4.9	--	200
Vanadium	ug/l	6	6	**9**	--	<0.5	4.9	**8.9**	--	**20**
Zinc	ug/l	30	**140**	7	--	5.5	**48**	15	--	**58**

Parameter	Unit	[2] [1] PWQO	BD-05-M2 11/29/1990
General Chemistry			
Alkalinity as CaCO3	mg/l	--[3]	284.3
Ammonia Nitrogen	ug/l	--	100
Biologic Oxygen Demand, Five Day	ug/l	--	<4000
Bromide	ug/l	--	--
Chemical Oxygen Demand	ug/l	--	13000
Chloride	ug/l	--	8600
Color	color unit	--	4
Conductivity (Field)	us/cm	--	556
Hardness, Calcium Carbonate	ug/l	--	--
Nitrate	ug/l	--	11570
Nitrite	ug/l	--	30
pH (Field)	-	8.5	7.6
Phosphorus	ug/l	--[4]	<1
Total Suspended Solids	ug/l	--	15000
Turbidity	ntu	--[5]	2
Metals			
Aluminum, Dissolved	ug/l	--[6]	84
Arsenic	ug/l	100	--
Barium	ug/l	--	21
Cadmium	ug/l	0.2[7]	<0.1
Calcium	ug/l	--	79400
Chromium	ug/l	--[8]	1.8
Cobalt	ug/l	0.9	**1**
Copper	ug/l	5	3.1
Iron	ug/l	300	260
Lead	ug/l	--[9]	<1
Magnesium	ug/l	--	29300
Manganese	ug/l	--	66
Mercury	ug/l	0.2	<20
Molybdenum	ug/l	40	<1
Nickel	ug/l	25	**54**
Potassium	ug/l	--	610
Sodium	ug/l	--	2600
Strontium	ug/l	--	49
Titanium	ug/l	--	11
Vanadium	ug/l	6	<1
Zinc	ug/l	30	7.1

Parameter	Unit	(2) (1) PWQO	SW-1 4/18/1990	SW-1 11/7/1990	SW-1 4/17/1991	SW-1 11/19/1991	SW-1 4/28/1992	SW-1 11/16/1992
General Chemistry								
Alkalinity as CaCO3	mg/l	--(3)	176	358	190	270	200	250
Ammonia, unionized	ug/l	20	700000000	**368000006**	000000000	400000000	0.006	700000000
Ammonia Nitrogen	ug/l	--	<100	86000	<100	350	160	230
Biologic Oxygen Demand, Five Day	ug/l	--	<1000	5000	<3000	8000	<3000	<3000
Bromide	ug/l	--	700	<500	<100	<100	<100	<100
Chemical Oxygen Demand	ug/l	--	13000	--	210000	480000	<5000	21000
Chloride	ug/l	--	4000	106000	2100	27000	4500	7400
Color	color unit	--	8	--	17	50	<5	5
Conductivity (Field)	us/cm	--	380	1600	360	700	410	575
Cyanide	ug/l	5(10)	<10	<10	<1	<1	<1	<2
Dissolved Oxygen (Field)	mg/l	--(11)	11.6	11.6	12.2	9.6	13.4	9.8
Fluoride	ug/l	--	40	550	<100	110	160	<100
Hardness, Calcium Carbonate	ug/l	--	196000	365000	192000	395000	266000	300000
Ion Ratio (+/-)	-	--	--	0.96	--	--	--	--
Nitrate	ug/l	--	580	2110	760	12000	2200	2200
Nitrite	ug/l	--	<100	8500	<100	19	<100	<100
Nitrogen, Organic	ug/l	--	--	--	90	850	--	--
Nitrogen, Total Kjeldahl	ug/l	--	250	86000	190	1200	240	270
pH (Field)	-	8.5	7.6	7.8	7	7.2	5.4	7.2
Phosphate	ug/l	--	<100	1370	<10	--	<10	20
Phosphorus	ug/l	--(4)	<100	<100	<500	350	<10	20
Sulfate	ug/l	--	36000	64000	13000	60000	15000	31000
Temperature (Field)	deg c	--(12)	8	7	6	6.1	8	8
Total Dissolved Solids	ug/l	--	--	802000	--	--	--	--
Turbidity	ntu	--(5)	<1	--	2.2	7	<0.5	0.7
Metals								
Aluminum, Dissolved	ug/l	--(6)	<30	<30	<50	<50	70	50
Arsenic	ug/l	100	<20	<10	<1	<0.1	<1	0.3
Barium	ug/l	--	<10	30	12	31	20	20
Beryllium	ug/l	--(13)	30	<10	<0.5	<0.5	<5	<5
Boron	ug/l	200(7)	<10	70	11	<10	**290**	<50
Cadmium	ug/l	0.2(7)	<0.2	<2	<0.1	<0.1	<0.1	<0.2
Calcium	ug/l	--	44000	90000	57400	99500	67000	75000
Chromium	ug/l	--(8)	<10	<10	<10	<10	<10	<10
Cobalt	ug/l	0.9	<20	<20	<50	<50	<50	**10**
Copper	ug/l	5	<2	<10	0.76	**6**	<5	**14**
Iron	ug/l	300	40	**800**	40	150	<50	70
Lead	ug/l	--(9)	<2	<2	1.1	12	5	10
Magnesium	ug/l	--	21000	34000	20100	35500	24000	26000
Manganese	ug/l	--	20	50	10	10	<10	10
Molybdenum	ug/l	40	<10	<10	<200	<200	<500	<300
Nickel	ug/l	25	<20	<10	4	<25	<25	<10
Potassium	ug/l	--	<1000	28000	<500	1000	620	<2000
Silicon	ug/l	--	1200	4000	1250	3110	2000	2700
Silver	ug/l	0.1	<1	<1	<0.3	**0.2**	**0.6**	**0.6**
Sodium	ug/l	--	2000	70000	1300	13000	5700	<10000
Strontium	ug/l	--	<10	430	32	80	45	60
Sulfur	ug/l	--	7500	27000	--	--	--	--
Thallium	ug/l	0.3(14)	<10	<10	--	--	--	--
Tin	ug/l	--	--	<50	--	--	--	--
Titanium	ug/l	--	10	<10	<5	<5	<5	<5
Vanadium	ug/l	6	**50**	<10	<5	<5	<5	<5
Zinc	ug/l	30	10	<10	<10	<10	10	<10

Parameter	Unit	(2) (1) PWQO	SW-2 4/18/1990	SW-2 8/9/1990	SW-2 11/7/1990	SW-2 4/17/1991	SW-2 11/20/1991	SW-2 4/28/1992	SW-2 11/16/1992
General Chemistry									
Alkalinity as CaCO3	mg/l	-- (3)	148	320	184	162	99	160	190
Ammonia, unionized	ug/l	20	400000000	**21000000**	400000000	200000000	100000000	0.02	500000000
Ammonia Nitrogen	ug/l	--	<100	5300	<100	<100	160	190	170
Biologic Oxygen Demand, Five Day	ug/l	--	<1000	49000	<1000	<3000	<3000	<3000	<3000
Bromide	ug/l	--	<500	<500	600	<100	<100	<100	<100
Chemical Oxygen Demand	ug/l	--	13000	--	--	27000	<5000	6000	30000
Chloride	ug/l	--	24000	23000	17000	20000	17000	28000	35000
Color	color unit	--	16	38	--	25	60	25	20
Conductivity (Field)	us/cm	--	370	600	440	380	500	340	480
Cyanide	ug/l	5 (10)	**10**	<10	<10	<1	<1	<1	<2
Dissolved Oxygen (Field)	mg/l	-- (11)	10.6	--	--	11.4	3.4	9.1	8.1
Fluoride	ug/l	--	50	100	--	<100	<100	200	<100
Hardness, Calcium Carbonate	ug/l	--	184000	303000	238000	168000	260000	174000	230000
Ion Ratio (+/-)	-	--	--	--	1.16	--	--	--	--
Nitrate	ug/l	--	120	500	<10	120	110	<100	<100
Nitrite	ug/l	--	<100	<100	<100	<100	11	<100	<100
Nitrogen, Organic	ug/l	--	--	--	--	--	290	1540	--	--
Nitrogen, Total Kjeldahl	ug/l	--	350	9640	310	390	1700	390	250
pH (Field)	-	8.5	7.6	7.5	7.6	7.15	7.4	5.5	6.9
Phosphate	ug/l	--	<100	520	170	<200	<10	<10	<10
Phosphorus	ug/l	-- (4)	<100	1100	<100	<500	38	<10	10
Sulfate	ug/l	--	14000	7000	14000	12000	140000	17000	28000
Temperature (Field)	deg c	-- (12)	10	23	5.5	9	8.5	16	0.5
Turbidity	ntu	-- (5)	2.7	>100	--	3.7	0.75	<0.5	1
Metals									
Aluminum, Dissolved	ug/l	-- (6)	<30	180	<30	180	<50	70	<50
Arsenic	ug/l	100	20	<10	<10	<1	<0.1	<1	0.3
Barium	ug/l	--	20	1260	20	12	33	30	20
Beryllium	ug/l	-- (13)	20	<10	<10	<0.5	<0.5	<5	<5
Boron	ug/l	200 (7)	<10	20	<10	10	20	**310**	<50
Cadmium	ug/l	0.2 (7)	<0.2	<0.2	<2	<0.1	<0.1	<0.1	<0.2
Calcium	ug/l	--	44000	80000	64000	57400	69600	45000	58000
Chromium	ug/l	-- (8)	<10	20	<10	<10	<10	<10	<10
Cobalt	ug/l	0.9	**20**	**30**	<20	<50	<50	<50	<10
Copper	ug/l	5	<2	**20**	<10	0.94	<5	<5	**14**
Iron	ug/l	300	70	**3940**	190	290	80	50	80
Lead	ug/l	-- (9)	<2	<2	<2	1.1	6.9	5	<10
Magnesium	ug/l	--	18000	25000	19000	15800	21000	15000	20000
Manganese	ug/l	--	<5	510	40	60	30	<10	7
Molybdenum	ug/l	40	<10	**50**	<10	<200	<200	<500	<300
Nickel	ug/l	25	<20	10	<10	4.4	**30**	<25	<10
Potassium	ug/l	--	2000	7000	2000	1200	1000	640	<2000
Silicon	ug/l	--	300	8700	3900	2140	4510	2700	4000
Silver	ug/l	0.1	<1	**3**	<1	<0.3	<0.1	<0.1	**0.6**
Sodium	ug/l	--	13000	23000	8000	11700	10100	18000	13000
Strontium	ug/l	--	110	570	420	103	253	160	140
Sulfur	ug/l	--	6900	<3000	7000	--	--	--	--
Thallium	ug/l	0.3 (14)	<10	<10	<10	--	--	--	--
Tin	ug/l	--	--	--	<50	--	--	--	--
Titanium	ug/l	--	<10	30	<10	6	<5	<5	<5
Vanadium	ug/l	6	**40**	<10	<10	<5	<5	<5	<5
Zinc	ug/l	30	<10	**310**	<10	<10	<10	<10	<10

Parameter	Unit	(2) (1) PWQO	SW-3 4/18/1990	SW-3 8/9/1990	SW-3 11/7/1990	SW-3 4/17/1991	SW-3 11/14/1991	SW-3 4/28/1992	SW-3 8/20/1992	SW-3 11/16/1992
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	810	2610	--	1480	2700	2400	2500	400
Ammonia, unionized	ug/l	20	**960000000**	**959000000**	**0.7630000**	**642000000**	**960000000**	**649000000**	**199000000**	500000000
Ammonia Nitrogen	ug/l	--	34600	203000	212000	100000	23000	220000	200000	2300
Biologic Oxygen Demand, Five Day	ug/l	--	13000	68000	--	160000	73000	160000	67000	<3000
Bromide	ug/l	--	<500	<500	<500	<100	4400	4600	5100	230
Chemical Oxygen Demand	ug/l	--	97000	--	--	1500000	3000000	1200000	640000	<5000
Chloride	ug/l	--	223000	1195000	1056000	550000	1000000	1000000	1110000	85000
Color	color unit	--	38	296	150	548	2000	2000	3000	80
Conductivity (Field)	us/cm	--	2100	7000	5000	4400	5000	6450	>5000	950
Cyanide	ug/l	5(10)	<10	**100**	**50**	<1	<1	<1	<1	2
Dissolved Oxygen (Field)	mg/l	--(11)	12.2	--	--	11	3	1.6	1.2	13.1
Fluoride	ug/l	--	120	280	130	350	220	2000	390	<100
Hardness, Calcium Carbonate	ug/l	--	605000	1039000	1105000	780000	1230000	1230000	1200000	460000
Nitrate	ug/l	--	440	9550	<100	500	650	120	110	2200
Nitrite	ug/l	--	<100	<100	<100	<1000	<5	<100	<100	<100
Nitrogen, Organic	ug/l	--	--	--	--	40000	357000	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	44000	236000	215000	140000	380000	280000	250000	3300
pH (Field)	-	8.5	7	6.6	7.6	7.73	6.9	6.2	6.9	7.2
Phosphate	ug/l	--	300	500	1650	3100	30	<10	<10	20
Phosphorus	ug/l	--(4)	130	<100	<100	6900	3300	7900	40	70
Sulfate	ug/l	--	22000	8000	7000	2200	20000	14000	5600	50000
Temperature (Field)	deg c	--(12)	7	23	6.5	10	3.9	12	12	2
Turbidity	ntu	--(5)	32	>100.00	>100	360	550	450	250	50
Metals										
Aluminum, Dissolved	ug/l	--(6)	<30	20	<30	1660	660	20000	1100	5100
Arsenic	ug/l	100	<20	<10	<10	3	1.6	4	1.8	0.4
Barium	ug/l	--	140	840	210	1540	857	1000	650	160
Beryllium	ug/l	--(13)	80	<10	<10	<0.5	<0.5	<5	<5	<5
Boron	ug/l	200(7)	<10	**2700**	**2490**	**1560**	**2050**	**2700**	**2700**	120
Cadmium	ug/l	0.2(7)	<0.2	<0.2	<0.2	**10**	**0.3**	**5**	**2.5**	<0.2
Calcium	ug/l	--	133000	182000	195000	308000	256000	230000	250000	110000
Chromium	ug/l	--(8)	<10	20	<10	<10	<10	70	<10	10
Cobalt	ug/l	0.9	<10	**10**	<20	<50	<50	<50	<50	<10
Copper	ug/l	5	<20	**30**	**20**	**160**	**32**	**170**	**40**	**74**
Iron	ug/l	300	30	**720**	**900**	**278000**	**110000**	**90000**	**37000**	**6500**
Lead	ug/l	--(9)	<2	<2	<2	68	200	3	222	32
Magnesium	ug/l	--	66000	142000	150000	107000	144000	160000	140000	48000
Manganese	ug/l	--	450	870	440	2000	940	1300	1100	190
Molybdenum	ug/l	40	<10	20	<10	<200	<200	<500	<500	<300
Nickel	ug/l	25	<20	**30**	**30**	19	**31**	**31**	<25	<10
Potassium	ug/l	--	48000	244000	307000	115000	168000	200000	160000	18000
Silicon	ug/l	--	4900	9300	7800	13800	10900	20000	7000	9600
Silver	ug/l	0.1	<1	**17**	<1	**1.5**	**1.4**	**1.4**	**0.78**	**1.2**
Sodium	ug/l	--	200000	927000	758000	446000	693000	810000	790000	57000
Strontium	ug/l	--	630	1190	1010	1350	1440	1200	1400	240
Sulfur	ug/l	--	9100	<3000	9000	--	--	--	--	--
Thallium	ug/l	0.3(14)	<10	<10	<10	--	--	--	--	--
Tin	ug/l	--	--	--	<50	--	--	--	--	--
Titanium	ug/l	--	70	20	<10	57	28	1600	40	340
Vanadium	ug/l	6	**60**	**220**	<10	**105**	**25**	**100**	<5	**10**
Zinc	ug/l	30	10	**110**	<10	**330**	**400**	**500**	**390**	**40**

Parameter	Unit	(2) (1) PWQO	SW-4 4/18/1990	SW-4 8/9/1990	SW-4 8/9/1990 SW-4-FD (Field Duplicate)	SW-4 11/7/1990	SW-4 4/17/1991	SW-4 9/12/1991
General Chemistry								
Alkalinity as CaCO3	mg/l	--(3)	264	--	890	262	302	710
Ammonia, unionized	ug/l	20	650000000	**980000000**	--	200000000	--	**996000000**
Ammonia Nitrogen	ug/l	--	6700	--	53800	<100	--	65000
Biologic Oxygen Demand, Five Day	ug/l	--	1000	--	7000	3000	3000	17000
Bromide	ug/l	--	<500	--	<500	<500	240	1700
Chemical Oxygen Demand	ug/l	--	68000	--	--	--	19000	190000
Chloride	ug/l	--	57000	--	350000	86000	46000	400000
Color	color unit	--	10	--	48	--	178	>50
Conductivity (Field)	us/cm	--	700	--	2300	1000	600	3000
Cyanide	ug/l	5(10)	<10	--	<10	<10	<1	<1
Dissolved Oxygen (Field)	mg/l	--(11)	8.8	--	--	11.8	10.8	5.5
Fluoride	ug/l	--	80	--	200	30	160	410
Hardness, Calcium Carbonate	ug/l	--	276000	--	606000	407000	284000	658000
Ion Ratio (+/-)	-	--	--	--	--	1.09	--	--
Nitrate	ug/l	--	250	--	<100	7640	210	140
Nitrite	ug/l	--	<100	--	<100	5100	<500	9
Nitrogen, Organic	ug/l	--	--	--	--	--	400	35000
Nitrogen, Total Kjeldahl	ug/l	--	6700	--	56600	1480	7500	100000
pH (Field)	-	8.5	7.1	--	6.7	7.4	6.82	6.8
Phosphate	ug/l	--	240	--	280	<100	<200	140
Phosphorus	ug/l	--(4)	200	--	<100	<100	500	220
Sulfate	ug/l	--	11000	--	12000	105000	18000	2400
Temperature (Field)	deg c	--(12)	11.5	--	11	6.5	--	13
Turbidity	ntu	--(5)	16	--	61	--	27	500
Metals								
Aluminum, Dissolved	ug/l	--(6)	<30	--	20	<30	<50	460
Arsenic	ug/l	100	<20	--	<10	<10	<1	0.5
Barium	ug/l	--	160	--	400	150	109	446
Beryllium	ug/l	--(13)	60	--	<10	<10	<0.5	<0.5
Boron	ug/l	200(7)	<10	--	**790**	**230**	147	**950**
Cadmium	ug/l	0.2(7)	<0.2	--	<0.2	<0.2	<0.1	0.2
Calcium	ug/l	--	66000	--	137000	110000	81000	146000
Chromium	ug/l	--(8)	<10	--	<10	<10	<10	<10
Cobalt	ug/l	0.9	<20	--	**20**	<20	<50	<50
Copper	ug/l	5	<0.2	--	**10**	<5	0.91	**16**
Iron	ug/l	300	**4300**	--	**1040**	130	**6150**	**38300**
Lead	ug/l	--(9)	<2	--	<2	<2	2.3	18
Magnesium	ug/l	--	27000	--	64000	32000	25800	71300
Manganese	ug/l	--	290	--	750	90	280	740
Molybdenum	ug/l	40	<10	--	**70**	<10	<200	<200
Nickel	ug/l	25	20	--	<10	<10	**31**	**27**
Potassium	ug/l	--	8000	--	46000	17000	7600	54000
Silicon	ug/l	--	2800	--	9100	3500	3170	10600
Silver	ug/l	0.1	<1	--	**12**	<1	<0.3	<0.1
Sodium	ug/l	--	34000	--	191000	52000	34300	231000
Strontium	ug/l	--	200	--	760	330	208	836
Sulfur	ug/l	--	11000	--	<3000	40000	--	--
Thallium	ug/l	0.3(14)	<10	--	<10	<10	--	--
Tin	ug/l	--	--	--	<100	<50	--	--
Titanium	ug/l	--	30	--	<10	<10	<5	18
Vanadium	ug/l	6	**50**	--	**280**	<10	5	**11**
Zinc	ug/l	30	20	--	<10	<10	<10	20

Parameter	Unit	(2) (1) PWQO	SW-4 11/14/1991	SW-4 4/28/1992	SW-4 4/28/1992 SW-4-FD (Field Duplicate)	SW-4 8/20/1992	SW-4 11/16/1992
General Chemistry							
Alkalinity as CaCO3	mg/l	-- (3)	640	360	360	920	340
Ammonia, unionized	ug/l	20	**690000000**	090000000	--	**480000000**	200000000
Ammonia Nitrogen	ug/l	--	47000	9600	9600	54000	1600
Biologic Oxygen Demand, Five Day	ug/l	--	10000	<3000	<3000	7000	<3000
Bromide	ug/l	--	320	230	240	1500	170
Chemical Oxygen Demand	ug/l	--	120000	23000	24000	110000	37000
Chloride	ug/l	--	260000	69000	69000	320000	72000
Color	color unit	--	180	200	200	300	20
Conductivity (Field)	us/cm	--	2000	840	840	2600	800
Cyanide	ug/l	5 (10)	<1	<1	<1	<1	<2
Dissolved Oxygen (Field)	mg/l	-- (11)	6.9	9.4	9.4	2.7	5.4
Fluoride	ug/l	--	370	260	290	480	110
Hardness, Calcium Carbonate	ug/l	--	576000	311000	318000	650000	340000
Ion Ratio (+/-)	-	--	--	--	--	--	--
Nitrate	ug/l	--	720	200	270	140	480
Nitrite	ug/l	--	24	<100	<100	<100	<100
Nitrogen, Organic	ug/l	--	10000	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	57000	11000	10000	60000	2200
pH (Field)	-	8.5	7.2	6.5	6.5	6.9	6.9
Phosphate	ug/l	--	60	60	40	<10	<10
Phosphorus	ug/l	-- (4)	120	50	40	10	20
Sulfate	ug/l	--	83000	22000	22000	3300	45000
Temperature (Field)	deg c	-- (12)	1.7	20	20	8	0.5
Turbidity	ntu	-- (5)	35	60	45	140	3.5
Metals							
Aluminum, Dissolved	ug/l	-- (6)	210	570	620	70	<50
Arsenic	ug/l	100	0.4	<1	<1	0.3	0.4
Barium	ug/l	--	205	150	150	330	100
Beryllium	ug/l	-- (13)	<0.5	<5	<5	<5	<5
Boron	ug/l	200 (7)	**630**	**390**	**540**	**840**	80
Cadmium	ug/l	0.2 (7)	0.1	**0.3**	0.2	<0.2	<0.2
Calcium	ug/l	--	135000	80000	81000	150000	90000
Chromium	ug/l	-- (8)	<10	<10	<10	<10	<10
Cobalt	ug/l	0.9	<50	<50	<50	<50	<10
Copper	ug/l	5	**10**	5	**6**	**10**	**20**
Iron	ug/l	300	**4230**	**6700**	**5800**	**17000**	**490**
Lead	ug/l	-- (9)	58	11	18	65	12
Magnesium	ug/l	--	58100	27000	28000	68000	27000
Manganese	ug/l	--	480	360	370	740	90
Molybdenum	ug/l	40	<200	<500	<500	<500	<300
Nickel	ug/l	25	<25	<25	<25	<25	<10
Potassium	ug/l	--	37000	5600	5800	38000	6700
Silicon	ug/l	--	7010	4400	5400	5700	3900
Silver	ug/l	0.1	**0.4**	<0.1	<0.1	**0.13**	**0.15**
Sodium	ug/l	--	166000	47000	47000	210000	30000
Strontium	ug/l	--	589	310	300	750	270
Sulfur	ug/l	--	--	--	--	--	--
Thallium	ug/l	0.3 (14)	--	--	--	--	--
Tin	ug/l	--	--	--	--	--	--
Titanium	ug/l	--	8	44	33	<5	<5
Vanadium	ug/l	6	<5	<5	<5	<5	<5
Zinc	ug/l	30	**80**	30	**60**	<10	<10

Parameter	Unit	(2) (1) PWQO	SW-5 4/18/1990	SW-5 8/9/1990	SW-5 8/9/1990 SW-5-FD (Field Duplicate)	SW-5 11/7/1990	SW-5 4/17/1991	SW-5 9/4/1991
General Chemistry								
Alkalinity as CaCO3	mg/l	--(3)	245	810	780	254	248	320
Ammonia, unionized	ug/l	20	**24**	**65**	--	0.443	**26**	**141**
Ammonia Nitrogen	ug/l	--	3930	40300	40600	<100	2600	56000
Biologic Oxygen Demand, Five Day	ug/l	--	1000	6000	6000	2000	<3000	14000
Bromide	ug/l	--	<50	<500	<500	<500	130	1400
Chemical Oxygen Demand	ug/l	--	37000	--	--	--	29000	120000
Chloride	ug/l	--	46000	337000	308000	72000	29000	330000
Color	color unit	--	10	48	48	--	67	--
Conductivity (Field)	us/cm	--	650	2100	2100	900	500	2450
Cyanide	ug/l	5(10)	<10	<10	**40**	<10	<1	<1
Dissolved Oxygen (Field)	mg/l	--(11)	9	--	--	11.4	10.8	8.1
Fluoride	ug/l	--	60	150	140	30	<100	480
Hardness, Calcium Carbonate	ug/l	--	234000	535000	540000	367000	224000	430000
Ion Ratio (+/-)	-	--	--	--	--	1.08	--	--
Nitrate	ug/l	--	250	<100	<100	8410	510	570
Nitrite	ug/l	--	<10	<100	<100	4400	<100	110
Nitrogen, Organic	ug/l	--	--	--	--	--	200	13000
Nitrogen, Total Kjeldahl	ug/l	--	6020	44200	44000	980	2800	69000
pH (Field)	-	8.5	7.5	6.9	6.9	7.5	7.74	6.9
Phosphate	ug/l	--	240	280	270	110	<200	40
Phosphorus	ug/l	--(4)	130	<100	<100	<100	<500	<500
Sulfate	ug/l	--	11000	11000	13000	85000	13000	6300
Temperature (Field)	deg c	--(12)	10.5	11	11	6.5	10	17
Total Dissolved Solids	ug/l	--	--	--	--	568000	--	--
Turbidity	ntu	--(5)	11	60	59	--	9.6	48.5
Metals								
Aluminum, Dissolved	ug/l	--(6)	<30	<10	10	60	<50	140
Arsenic	ug/l	100	<20	<10	<10	<10	<1	0.3
Barium	ug/l	--	80	270	250	120	41	292
Beryllium	ug/l	--(13)	40	<10	<10	<10	<0.5	<0.5
Boron	ug/l	200(7)	<10	**640**	**640**	180	84	**750**
Cadmium	ug/l	0.2(7)	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
Calcium	ug/l	--	54000	122000	124000	96000	64800	111000
Chromium	ug/l	--(8)	<10	10	<10	<10	<10	<10
Cobalt	ug/l	0.9	<20	<20	<20	<20	<50	<50
Copper	ug/l	5	<2	<10	**30**	<5	**26**	<5
Iron	ug/l	300	**2000**	270	200	**2000**	**1570**	**6100**
Lead	ug/l	--(9)	<2	<2	<2	<2	1.4	2
Magnesium	ug/l	--	24000	56000	56000	31000	21600	61300
Manganese	ug/l	--	150	730	750	180	70	240
Molybdenum	ug/l	40	<10	<10	40	<10	<200	<200
Nickel	ug/l	25	20	10	20	<10	24	<25
Potassium	ug/l	--	8000	38000	39000	15000	4500	52000
Silicon	ug/l	--	2900	8500	8400	3100	1760	7930
Silver	ug/l	0.1	<1	**8**	**7**	<10	<0.3	<0.1
Sodium	ug/l	--	30000	166000	158000	47000	21400	203000
Strontium	ug/l	--	190	600	600	270	144	620
Sulfur	ug/l	--	9000	<3000	<3000	32000	--	--
Thallium	ug/l	0.3(14)	<10	<10	<10	<10	--	--
Tin	ug/l	--	--	--	--	<50	--	--
Titanium	ug/l	--	20	<10	<10	<10	<5	8
Vanadium	ug/l	6	**50**	**50**	**280**	<10	<5	<5
Zinc	ug/l	30	10	30	**60**	<10	<10	<10

Parameter	Unit	(2) (1) PWQO	SW-5 11/13/1991	SW-5 4/30/1992	SW-5 8/20/1992	SW-5 8/20/1992 SW-5-FD (Field Duplicate)	SW-5 11/16/1992	SW-5 11/16/1992 SW-5-FD (Field Duplicate)
General Chemistry								
Alkalinity as CaCO3	mg/l	--(3)	850	260	510	520	350	410
Ammonia, unionized	ug/l	20	**143**	0.163	**148**	--	5	--
Ammonia Nitrogen	ug/l	--	63000	3500	16000	16000	11000	11000
Biologic Oxygen Demand, Five Day	ug/l	--	5700	<3000	5000	4000	<3000	<3000
Bromide	ug/l	--	1400	130	880	880	310	300
Chemical Oxygen Demand	ug/l	--	100000	6000	83000	81000	43000	47000
Chloride	ug/l	--	350000	40000	210000	200000	95000	92000
Color	color unit	--	140	100	50	60	120	100
Conductivity (Field)	us/cm	--	2550	710	1600	1600	1000	1000
Cyanide	ug/l	5(10)	<1	<1	<1	<1	3	3
Dissolved Oxygen (Field)	mg/l	--(11)	8.2	8.9	10.1	10.1	6.7	6.7
Fluoride	ug/l	--	320	200	300	250	160	170
Hardness, Calcium Carbonate	ug/l	--	678000	245000	420000	440000	360000	360000
Ion Ratio (+/-)	-	--	--	--	--	--	--	--
Nitrate	ug/l	--	400	420	1100	1100	390	390
Nitrite	ug/l	--	22	<100	630	580	<100	<100
Nitrogen, Organic	ug/l	--	47000	--	--	--	--	3000
Nitrogen, Total Kjeldahl	ug/l	--	110000	4100	19000	21000	12000	14000
pH (Field)	-	8.5	7.4	5.4	7.6	7.6	6.7	6.7
Phosphate	ug/l	--	10	20	<10	<10	<10	<10
Phosphorus	ug/l	--(4)	40	40	70	70	50	50
Sulfate	ug/l	--	61000	19000	15000	15000	43000	43000
Temperature (Field)	deg c	--(12)	1.1	10	13	13	2	2
Total Dissolved Solids	ug/l	--	--	--	--	--	--	--
Turbidity	ntu	--(5)	36	15	5.5	4	30	30
Metals								
Aluminum, Dissolved	ug/l	--(6)	<50	230	90	60	90	150
Arsenic	ug/l	100	0.2	<1	0.4	0.2	0.6	0.6
Barium	ug/l	--	213	60	230	160	90	90
Beryllium	ug/l	--(13)	<0.5	<5	6	<5	<5	<5
Boron	ug/l	200(7)	**800**	**260**	**530**	**430**	**220**	140
Cadmium	ug/l	0.2(7)	<0.1	0.1	<0.2	<0.2	<0.2	<0.2
Calcium	ug/l	--	153000	62000	94000	98000	89000	89000
Chromium	ug/l	--(8)	<10	<10	<10	<10	<10	<10
Cobalt	ug/l	0.9	<50	<50	<50	<50	<10	**20**
Copper	ug/l	5	**14**	**8**	**40**	**10**	**26**	**20**
Iron	ug/l	300	**4540**	**2500**	**750**	**760**	**3400**	**3400**
Lead	ug/l	--(9)	46	7	56	58	20	22
Magnesium	ug/l	--	71800	22000	46000	48000	34000	33000
Manganese	ug/l	--	640	140	100	100	500	500
Molybdenum	ug/l	40	<200	<500	<500	<500	<300	<300
Nickel	ug/l	25	<25	<25	<25	<25	<10	<10
Potassium	ug/l	--	46000	2500	23000	24000	11000	11000
Silicon	ug/l	--	8500	2100	1900	1900	4700	5300
Silver	ug/l	0.1	**0.55**	<0.1	<0.1	<0.1	**1.7**	**15**
Sodium	ug/l	--	216000	29000	140000	140000	45000	45000
Strontium	ug/l	--	697	230	610	620	490	490
Sulfur	ug/l	--	--	--	--	--	--	--
Thallium	ug/l	0.3(14)	--	--	--	--	--	--
Tin	ug/l	--	--	--	--	--	--	--
Titanium	ug/l	--	<5	23	<5	<5	<5	<5
Vanadium	ug/l	6	<5	<5	**9**	<5	<5	5
Zinc	ug/l	30	10	<10	30	<10	<10	30

Parameter	Unit	(2) (1) PWQO	SW-6 4/18/1990	SW-6 8/9/1990	SW-6 11/7/1990	SW-6 4/17/1991	SW-6 4/30/1992	SW-6 11/16/1992
General Chemistry								
Alkalinity as CaCO3	mg/l	--(3)	154	304	--	172	240	280
Ammonia, unionized	ug/l	20	8000000000	7000000006	0000000008	0000000004	0000000001	0000000000
Ammonia Nitrogen	ug/l	--	<100	470	<100	200	1700	2100
Biologic Oxygen Demand, Five Day	ug/l	--	<1000	3000	--	<3000	<3000	<3000
Bromide	ug/l	--	<500	<500	700	<100	<100	<100
Chemical Oxygen Demand	ug/l	--	11000	--	--	20000	7000	40000
Chloride	ug/l	--	4000	128000	33000	7000	19000	26000
Color	color unit	--	4	14	9	19	80	100
Conductivity (Field)	us/cm	--	340	750	350	451	570	550
Cyanide	ug/l	5(10)	<10	<10	**20**	<1	<1	<2
Dissolved Oxygen (Field)	mg/l	--(11)	8.4	--	9.4	11	7.5	10.1
Fluoride	ug/l	--	40	70	10	<100	190	110
Hardness, Calcium Carbonate	ug/l	--	179000	350000	325000	184000	254000	270000
Nitrate	ug/l	--	140	12650	<100	210	<100	<100
Nitrite	ug/l	--	<100	5900	<100	<100	<100	<100
Nitrogen, Organic	ug/l	--	--	--	--	30	--	--
Nitrogen, Total Kjeldahl	ug/l	--	<100	4200	1060	230	2900	2800
pH (Field)	-	8.5	8	6.9	7.8	7.5	5.3	6.8
Phosphate	ug/l	--	<100	200	110	13	130	<10
Phosphorus	ug/l	--(4)	150	<100	<100	<500	1000	40
Sulfate	ug/l	--	21000	12000	12000	15000	19000	13000
Temperature (Field)	deg c	--(12)	9	16	7	10	12	3
Turbidity	ntu	--(5)	1.3	34	19	1.4	10	20
Metals								
Aluminum, Dissolved	ug/l	--(6)	<30	<10	<30	<50	500	480
Arsenic	ug/l	100	<20	<10	<10	<1	<1	0.6
Barium	ug/l	--	<10	220	90	23	150	160
Beryllium	ug/l	--(13)	20	<10	<10	<0.5	<5	<5
Boron	ug/l	200(7)	<10	170	70	8	**280**	60
Cadmium	ug/l	0.2(7)	<0.2	<0.2	<0.2	<0.1	**0.3**	<0.2
Calcium	ug/l	--	42000	89000	84000	54100	67000	68000
Chromium	ug/l	--(8)	<10	30	<10	<10	<10	<10
Cobalt	ug/l	0.9	<20	**50**	<20	<50	<50	<10
Copper	ug/l	5	<2	**20**	<5	<0.6	**7**	**69**
Iron	ug/l	300	80	140	120	150	**12000**	**5900**
Lead	ug/l	--(9)	<2	<2	<2	0.8	6	15
Magnesium	ug/l	--	18000	31000	28000	17200	21000	23000
Manganese	ug/l	--	60	910	<10	50	480	360
Molybdenum	ug/l	40	<10	40	<10	<200	<500	<300
Nickel	ug/l	25	20	20	<10	9.9	<25	**170**
Potassium	ug/l	--	2000	8000	9000	1000	390	5000
Silicon	ug/l	--	1500	4800	2000	1090	3800	3700
Silver	ug/l	0.1	<1	**3**	<1	<0.3	<0.1	**18**
Sodium	ug/l	--	4000	24000	13000	4800	15000	14000
Strontium	ug/l	--	30	290	160	65	140	190
Sulfur	ug/l	--	8000	<3000	7000	--	--	--
Thallium	ug/l	0.3(14)	<10	<10	<10	--	--	--
Tin	ug/l	--	--	--	<50	--	--	--
Titanium	ug/l	--	10	<10	<10	<5	33	30
Vanadium	ug/l	6	**50**	**240**	<10	<5	<5	<5
Zinc	ug/l	30	10	30	**40**	<10	**60**	30

Parameter	Unit	(2) (1) PWQO	SW-7 8/9/1990	SW-7 11/7/1990	SW-7 11/7/1990 SW-7-FD (Field Duplicate)	SW-7 4/17/1991	SW-7 9/12/1991	SW-7 9/12/1991 SW-7-FD (Field Duplicate)	SW-7 11/14/1991	SW-7 4/30/1992
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	168	160	162	156	430	390	120	170
Ammonia, unionized	ug/l	20	1000000000000000		--	500000000	120000000	--	000000000	0.01
Ammonia Nitrogen	ug/l	--	390	<100	<10	130	210	190	120	190
Biologic Oxygen Demand, Five Day	ug/l	--	4000	<1000	<1000	<3000	3000	3000	5000	<3000
Bromide	ug/l	--	<500	<500	<500	<100	<100	<100	<100	<100
Chemical Oxygen Demand	ug/l	--	--	--	--	23000	32000	18000	21000	<5000
Chloride	ug/l	--	6000	6000	6000	7000	5500	5300	4800	6100
Color	color unit	--	10	--	--	20	25	15	15	15
Conductivity (Field)	us/cm	--	330	360	360	355	235	235	260	360
Cyanide	ug/l	5(10)	<10	<10	<10	<1	<1	<1	<1	<1
Dissolved Oxygen (Field)	mg/l	--(11)	--	10.8	10.8	11.4	8.1	8.1	12.6	10.6
Fluoride	ug/l	--	50	50	--	<100	<100	<100	120	170
Hardness, Calcium Carbonate	ug/l	--	204000	206000	209000	184000	135000	135000	144000	164000
Ion Ratio (+/-)	-	--	--	1.11	1.11	--	--	--	--	--
Nitrate	ug/l	--	<100	210	320	210	410	290	<100	<100
Nitrite	ug/l	--	--	<100	<10	<500	5	5	12	<100
Nitrogen, Organic	ug/l	--	--	--	--	190	790	1710	880	--
Nitrogen, Total Kjeldahl	ug/l	--	2090	400	530	320	1000	1900	1000	880
pH (Field)	-	8.5	7.5	7.3	7.3	7.5	8.2	8.2	8.3	5.5
Phosphate	ug/l	--	170	<100	<100	<10	10	<10	<10	<10
Phosphorus	ug/l	--(4)	<100	<100	<100	<500	40	40	40	40
Sulfate	ug/l	--	15000	25000	26000	31000	9900	9700	18000	17000
Temperature (Field)	deg c	--(12)	18	6.5	6.5	8.5	22	6.7	7.2	12
Turbidity	ntu	--(5)	15	--	--	3.9	7.5	4.5	3	2
Metals										
Aluminum, Dissolved	ug/l	--(6)	210	520	<30	<50	70	50	<50	50
Arsenic	ug/l	100	<10	<10	<10	<1	0.1	0.1	<0.1	<1
Barium	ug/l	--	70	40	20	25	20	17	16	20
Beryllium	ug/l	--(13)	<10	<10	<10	<0.5	<0.5	<0.5	<0.5	<5
Boron	ug/l	200(7)	<10	20	<10	10	20	10	<10	190
Cadmium	ug/l	0.2(7)	<0.2	<2	<2	<0.1	<0.1	<0.1	<0.1	0.1
Calcium	ug/l	--	44000	46000	47000	54600	22600	22400	26500	41000
Chromium	ug/l	--(8)	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt	ug/l	0.9	**20**	<20	<20	<50	<50	<50	<50	<50
Copper	ug/l	5	<10	<10	<10	<0.6	<5	<5	**8**	**8**
Iron	ug/l	300	**2180**	**1410**	190	240	**530**	290	140	250
Lead	ug/l	--(9)	<2	<2	<2	1	<1	<1	19	2
Magnesium	ug/l	--	23000	22000	19000	17400	19200	19100	18900	15000
Manganese	ug/l	--	900	19	40	90	380	250	30	60
Molybdenum	ug/l	40	40	<10	<10	<200	<200	<200	<200	<500
Nickel	ug/l	25	<10	<10	<10	4.6	<25	<25	<25	<25
Potassium	ug/l	--	2000	2000	2000	1600	<1000	<1000	<1000	390
Silicon	ug/l	--	900	900	3900	1050	290	200	70	1000
Silver	ug/l	0.1	**1**	<1	<1	<0.3	<0.1	<0.1	**0.9**	<0.1
Sodium	ug/l	--	9000	4000	8000	4700	5200	4500	4100	5600
Strontium	ug/l	--	100	80	420	63	48	45	58	62
Sulfur	ug/l	--	<3000	10000	7000	--	--	--	--	--
Thallium	ug/l	0.3(14)	<10	<10	<10	--	--	--	--	--
Tin	ug/l	--	--	<50	<50	--	--	--	--	--
Titanium	ug/l	--	<10	<10	<10	<5	5	<5	<5	5
Vanadium	ug/l	6	<10	<10	<10	<5	<5	<5	<5	<5
Zinc	ug/l	30	**160**	<10	<10	<10	<10	<10	<10	<10

Parameter	Unit	(2) (1) PWQO	SW-7 8/20/1992	SW-7 11/16/1992
General Chemistry				
Alkalinity as CaCO3	mg/l	--(3)	90	210
Ammonia, unionized	ug/l	20	**.80000000**	600000000
Ammonia Nitrogen	ug/l	--	290	230
Biologic Oxygen Demand, Five Day	ug/l	--	<3000	<3000
Bromide	ug/l	--	<100	<100
Chemical Oxygen Demand	ug/l	--	21000	29000
Chloride	ug/l	--	6500	12000
Color	color unit	--	20	25
Conductivity (Field)	us/cm	--	225	330
Cyanide	ug/l	5(10)	<1	<2
Dissolved Oxygen (Field)	mg/l	--(11)	12.2	10.8
Fluoride	ug/l	--	110	<200
Hardness, Calcium Carbonate	ug/l	--	110000	180000
Ion Ratio (+/-)	-	--	--	--
Nitrate	ug/l	--	<100	140
Nitrite	ug/l	--	<100	<100
Nitrogen, Organic	ug/l	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	1000	640
pH (Field)	-	8.5	**9.1**	7.3
Phosphate	ug/l	--	<10	<10
Phosphorus	ug/l	--(4)	90	60
Sulfate	ug/l	--	9100	15000
Temperature (Field)	deg c	--(12)	15	2
Turbidity	ntu	--(5)	2	5
Metals				
Aluminum, Dissolved	ug/l	--(6)	260	610
Arsenic	ug/l	100	0.2	0.3
Barium	ug/l	--	80	30
Beryllium	ug/l	--(13)	<5	<5
Boron	ug/l	200(7)	50	<50
Cadmium	ug/l	0.2(7)	<0.2	<0.2
Calcium	ug/l	--	17000	39000
Chromium	ug/l	--(8)	<10	<10
Cobalt	ug/l	0.9	<50	<10
Copper	ug/l	5	**40**	**19**
Iron	ug/l	300	250	**810**
Lead	ug/l	--(9)	32	30
Magnesium	ug/l	--	17000	19000
Manganese	ug/l	--	40	60
Molybdenum	ug/l	40	<500	<300
Nickel	ug/l	25	<25	<10
Potassium	ug/l	--	<2000	<2000
Silicon	ug/l	--	600	2600
Silver	ug/l	0.1	<0.1	<0.1
Sodium	ug/l	--	7200	<10000
Strontium	ug/l	--	30	80
Sulfur	ug/l	--	--	--
Thallium	ug/l	0.3(14)	--	--
Tin	ug/l	--	--	--
Titanium	ug/l	--	<5	40
Vanadium	ug/l	6	<5	<5
Zinc	ug/l	30	**120**	30

Parameter	Unit	[2] [1] PWQO	SW-8 4/17/1991	SW-8 9/4/1991	SW-8 11/13/1991	SW-8 11/13/1991 SW-8-FD (Field Duplicate)	SW-8 4/30/1992	SW-8 8/20/1992	SW-8 11/16/1992
General Chemistry									
Alkalinity as CaCO3	mg/l	-- [3]	246	270	480	500	270	430	320
Ammonia, unionized	ug/l	20	**80000000**	**600000000**	**406000000**	--	**000000000**	**601000000**	**800000000**
Ammonia Nitrogen	ug/l	--	2800	230	22000	22000	3500	10000	9500
Biologic Oxygen Demand, Five Day	ug/l	--	<3000	<3000	<3000	<3000	<3000	3000	<3000
Bromide	ug/l	--	<100	470	790	800	140	680	230
Chemical Oxygen Demand	ug/l	--	20000	57000	66000	68000	6000	71000	52000
Chloride	ug/l	--	33000	140000	240000	240000	42000	170000	91000
Color	color unit	--	68	40	50	50	80	40	100
Conductivity (Field)	us/cm	--	500	875	1900	1900	700	1350	925
Cyanide	ug/l	5 [10]	<1	<1	<1	<1	<1	<1	<2
Dissolved Oxygen (Field)	mg/l	-- [11]	10.8	8.1	9.6	--	7.4	9.3	7.2
Fluoride	ug/l	--	<100	240	260	250	200	250	140
Hardness, Calcium Carbonate	ug/l	--	236000	240000	649000	646000	254000	380000	350000
Nitrate	ug/l	--	100	200	710	810	460	1000	480
Nitrite	ug/l	--	<200	5	42	42	<100	400	<100
Nitrogen, Organic	ug/l	--	300	1070	16000	13000	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	3100	1300	38000	35000	4200	12000	9900
pH (Field)	-	8.5	7.2	7.1	7.7	7.7	6	7.7	6.5
Phosphate	ug/l	--	<200	<10	<10	10	10	<10	<10
Phosphorus	ug/l	-- [4]	<500	28	150	90	30	30	50
Sulfate	ug/l	--	16000	9000	230000	220000	20000	17000	45000
Temperature (Field)	deg c	-- [12]	9	18	1.6	1.6	10	13.5	3
Turbidity	ntu	-- [5]	9.7	2.7	4.6	5.8	12	2.5	25
Metals									
Aluminum, Dissolved	ug/l	-- [6]	60	70	<50	100	150	120	230
Arsenic	ug/l	100	<1	0.2	<0.1	<0.1	<1	0.5	0.6
Barium	ug/l	--	49	49	209	208	70	120	90
Beryllium	ug/l	-- [13]	<0.5	<0.5	<0.5	<0.5	<5	<5	<5
Boron	ug/l	200 [7]	81	**300**	**590**	**600**	**320**	**330**	150
Cadmium	ug/l	0.2 [7]	<0.1	<0.1	<0.1	**0.3**	0.1	<0.2	<0.2
Calcium	ug/l	--	69000	26300	157000	156000	64000	86000	89000
Chromium	ug/l	-- [8]	<10	<10	<10	<10	<10	<10	<10
Cobalt	ug/l	0.9	<50	<50	<50	<50	<50	<50	<10
Copper	ug/l	5	3.8	<5	**14**	**12**	**7**	**20**	**12**
Iron	ug/l	300	**1700**	210	290	**330**	**2100**	210	**2800**
Lead	ug/l	-- [9]	1.1	<1	33	32	2	48	17
Magnesium	ug/l	--	22500	39600	62500	62300	23000	41000	32000
Manganese	ug/l	--	100	<10	60	60	140	60	450
Molybdenum	ug/l	40	<200	<200	<200	<200	<500	<500	<300
Nickel	ug/l	25	25	25	<25	<25	<25	<25	<10
Potassium	ug/l	--	4700	17000	28000	28000	2800	18000	10000
Silicon	ug/l	--	2100	460	4960	4970	2600	1900	5500
Silver	ug/l	0.1	<0.3	<0.1	**0.5**	**0.5**	<0.1	<0.1	**0.4**
Sodium	ug/l	--	23000	94000	147000	146000	30000	110000	41000
Strontium	ug/l	--	161	309	779	775	310	580	450
Tin	ug/l	--	--	--	<5	--	--	--	--
Titanium	ug/l	--	<5	<5	<5	6	11	<5	<5
Vanadium	ug/l	6	<5	<5	**20**	<5	<5	<5	<5
Zinc	ug/l	30	<10	<10	--	<10	20	**40**	**40**

Footnotes:

Tables should be read in conjunction with the accompanying document.
< value = Indicates parameter not detected above laboratory method detection limit
> value = Indicates parameter detected above equipment analytical range
-- Chemical not analyzed or criteria not defined
(01) Provincial Water Quality Objectives
(02) Bold = Parameter concentration greater than PWQO
(03) Alkalinity should not be decreased by more than 25% of the natural concentration.
(04) Current scientific evidence is insufficient to develop a firm Objective at this time. Accordingly, the following phosphorus concentrations should be considered as general guidelines which should be supplemented by site-specific studies: To avoid nuisance concentrations of algae in lakes, average total phosphorus concentrations for the ice-free period should not exceed 20 ug/L; A high level of protection against aesthetic deterioration will be provided by a total phosphorus concentration for the ice-free period of 10 ug/L or less. This should apply to all lakes naturally below this value; Excessive plant growth in rivers and streams should be eliminated at a total phosphorus concentration below 30 ug/L.
(05) Suspended matter should not be added to surface water in concentrations that will change the natural Secchi disc reading by more than 10 percent.
(06) At pH 4.5 to 5.5 the Interim PWQO is 15 µg/L based on inorganic monomeric aluminum measure in clay-free samples; At pH > 5.5 to 6.5, no condition should be permitted which would increase the acid soluble inorganic aluminum concentration in clay-free samples to more than 10% above natural background concentrations for waters representative of that geological area of the Province that are unaffected by man-made inputs. At pH > 6.5 to 9.0, the Interim PWQO is 75 µg/L based on total aluminum measured in clay-free samples. If natural background aluminum concentrations in water bodies unaffected by man-made inputs are greater than the numerical Interim PWQO (above), no condition is permitted that would increase the aluminum concentration in clay-free samples by more than 10% of the natural background level. Note: pH values of < 6.5 and > 8.5 are outside the range considered acceptable by the PWQO for pH. See the Scientific Criteria Document for Development of Provincial Water Quality Objectives and Guidelines - Aluminum for a discussion of analytical procedures.
(07) See Section 1.2.3. of PWQO. This Interim PWQO was set for emergency purposes based on the best information readily available. Employ due caution when applying this value.
(08) PWQO values for Cr(III) = 8.9 µg/L and Cr(VI) = 1 µg/L
(09) If Alkalinity as CaCO3 < 20 mg/L, PWQO = 5 µg/L; if alkalinity as CaCO3 from 20 to 40 mg/L, PWQO = 10 µg/L; if alkalinity as CaCO3 from 40 to 80 mg/L, PWQO = 20 µg/L; if alkalinity as CaCO3 > 80 mg/L, PWQO = 25 ug/L.
(10) PWQO is for free cyanide in an unfiltered water sample.
(11) Objective depends on water temperature and biota. Dissolved oxygen concentrations should not be less than the values specified in the PWQO document for cold water biota (e.g. salmonid fish communities) and warm water biota (e.g. centrarchid fish communities).
(12) (1) General: The natural thermal regime of any body of water shall not be altered so as to impair the quality of the natural environment. In particular, the diversity, distribution and abundance of plant and animal life shall not be significantly changed. (2) Waste Heat Discharge: (a) Ambient Temperature Changes: The temperature at the edge of a mixing zone shall not exceed the natural ambient water temperature at a representative control location by more than 10°C (18°F). However, in special circumstances, local conditions may require a significantly lower temperature difference than 10°C (18°F). Potential dischargers are to apply to the MOEE for guidance as to the allowable temperature rise for each thermal discharge. This ministry will also specify the nature of the mixing zone and the procedure for the establishment of a representative control location for temperature recording on a case-by-case basis. (b) Discharge Temperature Permitted: The maximum temperature of the receiving body of water, at any point in the thermal plume outside a mixing zone, shall not exceed 30°C (86°F) or the temperature of a representative control location plus 10°C (18°F) or the allowed temperature difference, which ever is the lesser temperature. These maximum temperatures are to be measured on a mean daily basis from continuous records. (c) Taking and Discharging of Cooling Water: Users of cooling water shall meet both the Objectives for temperature outlined above and the "Procedures for the Taking and Discharge of Cooling Water" as outlined in the MOEE publication Deriving Receiving-Water Based, Point-Source Effluent Requirements for Ontario Waters(1994).
(13) If hardness as CaCO3 < 75 mg/L, PWQO = 11 µg/L; if hardness as CaCO3 > 75 mg/L, PWQO = 1100 µg/L.
(14) See Section 1.2.2. of PWQO. This Interim PWQO is currently under development. The value is subject to change upon publication by MOEE.

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Parameter	Unit	(2) (1) PWQO	BD-03-M2 5/17/1993	BD-03-M2 8/31/1993	BD-03-M2 11/18/1993	BD-03-M2 5/10/1994	BD-03-M2 5/10/1994 BD-03-M2-FD (Field Duplicate)	BD-03-M2 9/14/1994	BD-03-M2 9/14/1994 BD-03-M2-FD (Field Duplicate)	BD-03-M2 12/2/1994
General Chemistry										
Alkalinity as CaCO3	mg/l	-- (3)	240	210	280	230	220	240	220	190
Ammonia, unionized	ug/l	20	0.166	4.853	0.732	0.682	--	1.248	--	0.486
Ammonia Nitrogen	ug/l	--	<100	<100	320	<100	<100	<100	<100	<100
Biologic Oxygen Demand, Five Day	ug/l	--	3900	<3000	<3000	<3000	<3000	3000	4000	<3000
Bromide	ug/l	--	<100	130	<100	<100	<100	110	100	<100
Chemical Oxygen Demand	ug/l	--	10000	37000	31000	26000	26000	17000	51000	26000
Chloride	ug/l	--	34000	51000	59000	34000	33000	35000	39000	42000
Chromium (III)	ug/l	8.9 (4)	--	--	--	--	--	--	--	--
Color	color unit	--	50	30	40	50	50	50	70	40
Conductivity (Field)	us/cm	--	575	500	800	500	500	550	550	550
Cyanide	ug/l	5 (5)	<2	<2	<2	<2	<2	2	<2	<2
Dissolved Oxygen (Field)	mg/l	-- (6)	7.2	9	**6**	6.5	6.5	**5.3**	**5.3**	11.7
Fluoride	ug/l	--	<100	200	150	<100	<100	150	150	210
Hardness, Calcium Carbonate	ug/l	--	240000	260000	360000	270000	270000	250000	240000	210000
Nitrate	ug/l	--	<100	<100	370	100	120	<100	<100	180
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100	<100
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	220	550	540	450	330	640	430	430
pH (Field)	-	8.5	6.8	8	7.3	7.5	7.5	7.6	7.6	7.7
Phosphate	ug/l	--	20	<10	<10	<10	20	20	<10	10
Phosphorus	ug/l	-- (7)	**50**	<10	**40**	20	20	**100**	20	**40**
Sulfate	ug/l	--	13000	28000	48000	14000	13000	10000	10000	18000
Temperature (Field)	deg c	-- (8)	14.5	23.5	4	12	12	17	17	2
Turbidity	ntu	-- (9)	5.1	2	3.5	4	3	7.5	8	5.5
Metals										
Aluminum, Dissolved	ug/l	-- (10)	**390**	**80**	<50	**80**	**90**	**530**	**500**	**640**
Arsenic	ug/l	100	<0.5	<2	<2	2	3	<2	<2	<2
Barium	ug/l	--	44	69	50	40	40	70	70	460
Beryllium	ug/l	-- (11)	<5	<5	<5	<5	<5	<5	<5	<5
Boron	ug/l	200 (12)	170	140	<50	<50	70	**310**	**360**	**440**
Cadmium	ug/l	0.2 (12)	<0.15	<0.15	<0.15	**0.46**	**0.44**	**1.5**	**1.4**	**0.4**
Calcium	ug/l	--	60000	56000	96000	69000	69000	56000	55000	52000
Chromium	ug/l	-- (13)	30	<10	<10	<10	<10	<10	<10	<10
Cobalt	ug/l	0.9	<0.4	**3.5**	**14**	<0.4	<0.4	**1**	**1**	**1.5**
Copper	ug/l	5	**19**	<0.1	<1	<1	<1	3	4	**68**
Hexavalent Chromium	ug/l	1 (4)	--	--	--	--	--	--	--	--
Iron	ug/l	300	**590**	**360**	**660**	**610**	**600**	**1700**	**1500**	**720**
Lead	ug/l	-- (14)	9	3	<1	<1	<1	12	11	35
Magnesium	ug/l	--	21000	30000	29000	23000	23000	27000	26000	20000
Manganese	ug/l	--	46	<50	150	80	80	180	170	67
Molybdenum	ug/l	40	<10	<5	<10	<300	<300	<300	<300	<300
Nickel	ug/l	25	20	<10	<10	<10	<10	<10	<10	<10
Potassium	ug/l	--	2400	5100	3000	<2000	<2000	4600	3200	4600
Silicon	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	**0.5**	<0.1	<0.1	<0.1	<0.1	0.1	0.1	**3.5**
Sodium	ug/l	--	14000	29000	25000	14000	14000	31000	31000	31000
Strontium	ug/l	--	220	590	250	170	170	330	320	250
Thallium	ug/l	0.3 (15)	<50	<50	<50	<50	<50	<50	<50	<50
Titanium	ug/l	--	6	<5	<5	<5	<5	20	10	14
Vanadium	ug/l	6	<5	<5	<5	<5	<5	<5	<5	<5
Zinc	ug/l	30	**40**	<10	<10	<10	<10	30	<10	**130**
Zirconium	ug/l	4 (12)	<10	<10	<10	<100	<100	<100	<100	<100
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--	--	--
Acrolein	ug/l	0.03	--	--	--	--	--	--	--	--
Acrylonitrile	ug/l	--	--	--	--	--	--	--	--	--
Styrene	ug/l	4 (15)	--	--	--	--	--	--	--	--
VOCs										

Parameter	Unit	(2) (1) PWQO	BD-03-M2 5/17/1993	BD-03-M2 8/31/1993	BD-03-M2 11/18/1993	BD-03-M2 5/10/1994	BD-03-M2 5/10/1994 BD-03-M2-FD (Field Duplicate)	BD-03-M2 9/14/1994	BD-03-M2 9/14/1994 BD-03-M2-FD (Field Duplicate)	BD-03-M2 12/2/1994
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	ug/l	40	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/l	5 (12)	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	ug/l	400 (12)	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	ug/l	--	--	--	--	--	--	--	--	--
Acetone	ug/l	--	--	--	--	--	--	--	--	--
Benzene	ug/l	100 (15)	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/l	200 (12)	--	--	--	--	--	--	--	--
Bromoform	ug/l	60 (12)	--	--	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (17)	--	--	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (18)	--	--	--	--	--	--	--	--
Chloroethane	ug/l	--	--	--	--	--	--	--	--	--
Chloroform	ug/l	--	--	--	--	--	--	--	--	--
Chloromethane	ug/l	700 (12)	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (12)	--	--	--	--	--	--	--	--
Ethylbenzene	ug/l	8	--	--	--	--	--	--	--	--
m,p-Xylenes	ug/l	--	--	--	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (20)	--	--	--	--	--	--	--	--
o-Xylene	ug/l	40 (15)	--	--	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (21)	--	--	--	--	--	--	--	--
Toluene	ug/l	0.8	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/l	7 (12)	--	--	--	--	--	--	--	--
Trichloroethene	ug/l	20	--	--	--	--	--	--	--	--
Trichlorofluoromethane	ug/l	--	--	--	--	--	--	--	--	--
Vinyl Chloride	ug/l	600 (12)	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	BD-03-M2 4/18/1995	BD-03-M2 9/12/1995	BD-03-M2 11/21/1995	BD-03-M2 11/21/1995 BD-03-M2-FD (Field Duplicate)	BD-03-M2 5/15/1996	BD-03-M2 9/30/1996	BD-03-M2 11/29/1996	BD-03-M2 5/7/1997
General Chemistry										
Alkalinity as CaCO3	mg/l	-- [3]	210	140	260	230	240	240	300	230
Ammonia, unionized	ug/l	20	0.991	0.856	0.606	--	0.098	0.301	1.316	10.717
Ammonia Nitrogen	ug/l	--	<100	<100	370	410	450	<60	890	1000
Biologic Oxygen Demand, Five Day	ug/l	--	<3000	<3000	<3000	<3000	<2000	<2000	<2000	2000
Bromide	ug/l	--	<100	<100	<100	<100	<100	140	120	110
Chemical Oxygen Demand	ug/l	--	29000	29000	<5000	44000	--	47000	11000	12000
Chloride	ug/l	--	67000	24000	26000	23000	32000	60000	36000	37000
Chromium (III)	ug/l	8.9 [4]	--	--	--	--	--	--	--	--
Color	color unit	--	20	35	25	30	--	44	17	29
Conductivity (Field)	us/cm	--	750	375	430	430	480	580	420	430
Cyanide	ug/l	5 [5]	<2	<2	<2	<2	**35**	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	12	11.2	**6.8**	**6.8**	6.9	7.5	8.2	9.4
Fluoride	ug/l	--	<100	410	<100	<100	180	240	220	130
Hardness, Calcium Carbonate	ug/l	--	290000	180000	228000	230000	256000	270000	260000	250000
Nitrate	ug/l	--	<100	<100	480	520	350	640	580	430
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100	<100
Nitrogen, Nitrate-Nitrite	ug/l	--	--	<200	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	240	950	690	890	1190	1100	1400	2000
pH (Field)	-	8.5	7.8	7.5	7.2	7.2	6	7.3	7.2	7.8
Phosphate	ug/l	--	<10	20	20	<10	<400	<300	<300	<20
Phosphorus	ug/l	-- [7]	20	**70**	20	20	<200	**90**	<20	<20
Sulfate	ug/l	--	23000	11000	34000	32000	17000	53000	26000	14000
Temperature (Field)	deg c	-- [8]	8	15	1.5	1.5	12	14	1.5	9
Turbidity	ntu	-- [9]	5	6.5	2	3	--	2.8	6.2	4
Metals										
Aluminum, Dissolved	ug/l	-- [10]	**470**	**740**	**360**	**350**	<20	70	40	<20
Arsenic	ug/l	100	<2	<2	<5	<5	<5	<5	<5	<5
Barium	ug/l	--	45	260	36	37	40	60	40	50
Beryllium	ug/l	-- [11]	<5	<5	<5	<5	<10	<1	<0.1	<0.1
Boron	ug/l	200 [12]	**440**	**1000**	**510**	**460**	<50	46	40	40
Cadmium	ug/l	0.2 [12]	**0.5**	**0.5**	**1.9**	**2.2**	<0.08	<0.2	<0.08	<0.08
Calcium	ug/l	--	80000	43000	60000	61000	68000	70000	68000	69000
Chromium	ug/l	-- [13]	<10	<10	<10	<10	<20	2	<2	<2
Cobalt	ug/l	0.9	**12**	<0.4	<0.4	**13**	<3	<1	**1**	<0.6
Copper	ug/l	5	**10**	**53**	**81**	**30**	<3	<2	**11**	<3
Hexavalent Chromium	ug/l	1 [4]	--	--	--	--	--	--	--	--
Iron	ug/l	300	**380**	**890**	**510**	**530**	**1300**	**330**	**500**	**1200**
Lead	ug/l	-- [14]	20	11	5.5	7.5	<0.6	<2	<0.6	<0.6
Magnesium	ug/l	--	22000	17000	19000	19000	21000	23000	23000	21000
Manganese	ug/l	--	42	40	89	90	170	50	110	90
Molybdenum	ug/l	40	<10	<10	<10	<10	<10	<4	<10	<10
Nickel	ug/l	25	<10	<10	10	<10	<4	<3	<4	<4
Potassium	ug/l	--	<2000	4000	3500	2800	1900	3700	1800	2200
Silicon	ug/l	--	1000	--	--	--	--	--	--	--
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<3	<0.3	**0.19**	<0.05
Sodium	ug/l	--	45000	17000	18000	19000	23000	48000	21000	26000
Strontium	ug/l	--	210	220	190	190	170	310	190	190
Thallium	ug/l	0.3 [15]	<50	<50	<50	<50	<2	<20	<2	<0.3
Titanium	ug/l	--	7	13	<5	<5	<10	<1	<10	<10
Vanadium	ug/l	6	<5	<5	<5	<5	<0.2	<1	<2	<2
Zinc	ug/l	30	30	**170**	**60**	20	<10	4	**40**	3
Zirconium	ug/l	4 [12]	<100	<100	<100	<100	<20	<1	<20	<4
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--	--	--
Acrolein	ug/l	0.03	--	--	--	--	--	--	--	--
Acrylonitrile	ug/l	--	--	--	--	--	--	--	--	--
Styrene	ug/l	4 [15]	--	--	--	--	--	--	--	--
VOCs										

Parameter	Unit	(2) (1) PWQO	BD-03-M2 4/18/1995	BD-03-M2 9/12/1995	BD-03-M2 11/21/1995	BD-03-M2 11/21/1995 BD-03-M2-FD (Field Duplicate)	BD-03-M2 5/15/1996	BD-03-M2 9/30/1996	BD-03-M2 11/29/1996	BD-03-M2 5/7/1997
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	ug/l	40	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/l	5 (12)	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	ug/l	400 (12)	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	ug/l	--	--	--	--	--	--	--	--	--
Acetone	ug/l	--	--	--	--	--	--	--	--	--
Benzene	ug/l	100 (15)	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/l	200 (12)	--	--	--	--	--	--	--	--
Bromoform	ug/l	60 (12)	--	--	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (17)	--	--	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (18)	--	--	--	--	--	--	--	--
Chloroethane	ug/l	--	--	--	--	--	--	--	--	--
Chloroform	ug/l	--	--	--	--	--	--	--	--	--
Chloromethane	ug/l	700 (12)	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (12)	--	--	--	--	--	--	--	--
Ethylbenzene	ug/l	8	--	--	--	--	--	--	--	--
m,p-Xylenes	ug/l	--	--	--	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (20)	--	--	--	--	--	--	--	--
o-Xylene	ug/l	40 (15)	--	--	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (21)	--	--	--	--	--	--	--	--
Toluene	ug/l	0.8	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/l	7 (12)	--	--	--	--	--	--	--	--
Trichloroethene	ug/l	20	--	--	--	--	--	--	--	--
Trichlorofluoromethane	ug/l	--	--	--	--	--	--	--	--	--
Vinyl Chloride	ug/l	600 (12)	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	BD-03-M2 9/22/1997	BD-03-M2 12/2/1997	BD-03-M2 5/13/1998	BD-03-M2 9/22/1998	BD-03-M2 11/25/1998	BD-03-M2 4/27/1999	BD-03-M2 9/29/1999	BD-03-M2 9/29/1999 BD-03-M2-FD (Field Duplicate)
General Chemistry										
Alkalinity as CaCO3	mg/l	--[3]	210	200	220	260	290	250	166	--
Ammonia, unionized	ug/l	20	0.314	0.227	**25.01**	0.349	0.392	0.218	0.159	--
Ammonia Nitrogen	ug/l	--	<100	110	100	160	120	180	<50	--
Biologic Oxygen Demand, Five Day	ug/l	--	6000	<2000	3000	5000	3000	<2000	4000	--
Bromide	ug/l	--	<100	<100	<100	<100	<100	<100	<350	--
Chemical Oxygen Demand	ug/l	--	25000	10000	21000	16000	29000	<5000	25000	--
Chloride	ug/l	--	110000	40000	63000	60000	63000	43000	13000	--
Chromium (III)	ug/l	8.9[4]	--	--	--	--	--	--	--	--
Color	color unit	--	45	17	21	36	33	20	19.8	--
Conductivity (Field)	us/cm	--	770	400	520	530	700	405	610	--
Cyanide	ug/l	5[5]	5	<5	<5	<5	**6**	<5	--	--
Dissolved Oxygen (Field)	mg/l	--[6]	14.5	13.5	9.6	**2.6**	10.7	10.3	6.5	--
Fluoride	ug/l	--	270	110	190	170	110	150	400	--
Hardness, Calcium Carbonate	ug/l	--	230000	250000	240000	280000	310000	260000	212260	--
Nitrate	ug/l	--	350	540	<100	110	110	270	700	--
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100	--
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	1100	720	810	1000	1300	720	700	--
pH (Field)	-	8.5	6.9	7.4	**8.8**	6.97	7.6	6.9	7.1	--
Phosphate	ug/l	--	<20	<300	<300	<20	<20	<20	<10	--
Phosphorus	ug/l	--[7]	**90**	<20	**100**	**70**	**60**	20	**70**	<6
Sulfate	ug/l	--	64000	36000	15000	6300	25000	18000	33100	--
Temperature (Field)	deg c	--[8]	20	0	24	13	0	7.5	14	--
Turbidity	ntu	--[9]	21	2.1	4.7	4.5	4.5	1.9	4.6	--
Metals										
Aluminum, Dissolved	ug/l	--[10]	<20	60	<20	<20	70	30	**80**	--
Arsenic	ug/l	100	<5	<5	<5	<5	<5	<5	<2	--
Barium	ug/l	--	50	30	40	60	50	40	51	--
Beryllium	ug/l	--[11]	<0.1	<0.1	<1	<1	<1	<1	<1	--
Boron	ug/l	200[12]	50	20	60	10	30	30	41	--
Cadmium	ug/l	0.2[12]	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.2	--
Calcium	ug/l	--	61000	66000	57000	71000	78000	67000	58500	--
Chromium	ug/l	--[13]	<2	<2	<2	<2	<2	<2	6	--
Cobalt	ug/l	0.9	**2**	<0.1	0.2	0.1	0.4	<0.1	0.7	--
Copper	ug/l	5	**13**	<3	<3	<3	<3	<3	<0.2	--
Hexavalent Chromium	ug/l	1[4]	--	--	--	--	--	--	--	--
Iron	ug/l	300	**1200**	220	**470**	**970**	**460**	**320**	**687**	--
Lead	ug/l	--[14]	0.9	<0.6	<0.6	<0.6	<0.6	<0.6	<2	--
Magnesium	ug/l	--	19100	20000	23000	26000	27000	23000	16100	--
Manganese	ug/l	--	40	20	40	680	90	70	118	--
Molybdenum	ug/l	40	<10	<10	<10	<10	<10	<10	--	--
Nickel	ug/l	25	<4	<4	<4	<4	<4	<4	<10	--
Potassium	ug/l	--	3100	2100	2200	4200	2900	2300	2000	--
Silicon	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	**0.48**	<0.05	<0.1	<0.05	<0.05	<0.05	<0.1	--
Sodium	ug/l	--	66000	24000	36000	42000	41000	28000	85800	--
Strontium	ug/l	--	200	150	240	290	260	180	224	--
Thallium	ug/l	0.3[15]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	--
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10	<3	--
Vanadium	ug/l	6	<2	<2	<2	<2	<2	<2	1	--
Zinc	ug/l	30	<2	<2	<2	<2	<2	<2	<3	--
Zirconium	ug/l	4[12]	<4	<2	<2	<2	<2	<2	<3	--
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--	--	--
Acrolein	ug/l	0.03	--	--	--	--	--	<100	<10	--
Acrylonitrile	ug/l	--	--	--	--	--	--	<100	<5	--
Styrene	ug/l	4[15]	--	--	--	--	--	<0.5	<0.5	--
VOCs										

Parameter	Unit	(2) (1) PWQO	BD-03-M2 9/22/1997	BD-03-M2 12/2/1997	BD-03-M2 5/13/1998	BD-03-M2 9/22/1998	BD-03-M2 11/25/1998	BD-03-M2 4/27/1999	BD-03-M2 9/29/1999	BD-03-M2 9/29/1999 BD-03-M2-FD (Field Duplicate)
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	--	--	--	--	--	<0.5	<0.5	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	--	--	--	<0.5	<1	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	<0.5	<0.5	--
1,1-Dichloroethane	ug/l	200	--	--	--	--	--	<0.5	<0.4	--
1,1-Dichloroethylene	ug/l	40	--	--	--	--	--	<0.5	<0.5	--
1,2-Dibromoethane	ug/l	5 (12)	--	--	--	--	--	<0.5	<0.5	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	<0.5	<0.5	--
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	<0.5	<0.5	--
1,2-Dichloropropane	ug/l	0.7 (12)	--	--	--	--	--	<0.5	<0.5	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	<0.5	<0.5	--
1,4-Dichlorobenzene	ug/l	4	--	--	--	--	--	<0.5	<0.5	--
Metyl Ethyl Ketone	ug/l	400 (12)	--	--	--	--	--	<5	<10	--
2-Chloroethyl Vinyl Ether	ug/l	--	--	--	--	--	--	<5	<10	--
Acetone	ug/l	--	--	--	--	--	--	<20	<10	--
Benzene	ug/l	100 (15)	--	--	--	--	--	<0.5	<0.5	--
Bromodichloromethane	ug/l	200 (12)	--	--	--	--	--	<0.5	<0.2	--
Bromoform	ug/l	60 (12)	--	--	--	--	--	<0.5	<0.2	--
Bromomethane	ug/l	0.9 (17)	--	--	--	--	--	<1.3	<3	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	<0.5	<1	--
Chlorobenzene	ug/l	15 (18)	--	--	--	--	--	<0.5	<0.5	--
Chloroethane	ug/l	--	--	--	--	--	--	<5	<1	--
Chloroform	ug/l	--	--	--	--	--	--	<0.5	<0.2	--
Chloromethane	ug/l	700 (12)	--	--	--	--	--	<5	<2	--
cis-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	--	--	<0.5	<1	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	<0.5	<0.14	--
Dibromochloromethane	ug/l	40 (12)	--	--	--	--	--	<0.5	<0.2	--
Ethylbenzene	ug/l	8	--	--	--	--	--	<0.5	<0.5	--
m,p-Xylenes	ug/l	--	--	--	--	--	--	<0.5	<0.5	--
Methylene Chloride	ug/l	100 (20)	--	--	--	--	--	<1	<1	--
o-Xylene	ug/l	40 (15)	--	--	--	--	--	<0.5	<0.5	--
Tetrachloroethylene	ug/l	50 (21)	--	--	--	--	--	<0.5	<0.5	--
Toluene	ug/l	0.8	--	--	--	--	--	<0.5	<0.5	--
trans-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	--	--	<0.5	<1	--
trans-1,3-Dichloropropene	ug/l	7 (12)	--	--	--	--	--	<0.5	<0.14	--
Trichloroethene	ug/l	20	--	--	--	--	--	<0.5	<0.5	--
Trichlorofluoromethane	ug/l	--	--	--	--	--	--	<5	<2	--
Vinyl Chloride	ug/l	600 (12)	--	--	--	--	--	<0.5	<0.5	--

Parameter	Unit	[2] [1] PWQO	BD-03-M2 12/1/1999	BD-03-M2 5/30/2000	BD-03-M2 9/25/2000	BD-03-M2 12/6/2000	BD-03-M2 5/22/2001	BD-03-M2 9/11/2001	BD-03-M2 11/22/2001
General Chemistry									
Alkalinity as CaCO3	mg/l	-- [3]	208	223	214	301	178	194	195
Ammonia, unionized	ug/l	20	0.737	0.917	0.117	0.093	0.477	0.069	0.226
Ammonia Nitrogen	ug/l	--	<100	20	30	90	70	100	90
Biologic Oxygen Demand, Five Day	ug/l	--	<2000	1000	2000	2000	3000	2000	<1000
Bromide	ug/l	--	<350	<50	<50	<50	<50	270	<50
Chemical Oxygen Demand	ug/l	--	22000	15000	27000	13000	27000	16000	11000
Chloride	ug/l	--	45800	29000	51000	37000	421000	664000	58000
Chromium (III)	ug/l	8.9 [4]	--	<10	<10	<10	<1	<1	<1
Color	color unit	--	32.1	23	22	14	36	12	30
Conductivity (Field)	us/cm	--	480	500	620	1050	560	600	520
Cyanide	ug/l	5 [5]	<20	<20	<20	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	10.8	13.9	7.31	**6.66**	8.1	**2.7**	9.88
Fluoride	ug/l	--	400	130	170	110	130	160	630
Hardness, Calcium Carbonate	ug/l	--	325450	238000	270000	307000	280000	742000	347000
Nitrate	ug/l	--	1200	<100	<100	350	390	110	280
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	460	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	800	480	740	650	1120	600	740
pH (Field)	-	8.5	7.74	8.1	7.1	7.06	7.5	6.4	7.27
Phosphate	ug/l	--	<5	<10	<30	<30	<30	<30	<30
Phosphorus	ug/l	-- [7]	**40**	20	**40**	30	**100**	40	30
Sulfate	ug/l	--	111000	15000	36000	38000	27000	276000	153000
Temperature (Field)	deg c	-- [8]	6	19.5	16.7	1.1	12	15	6
Turbidity	ntu	-- [9]	4.7	1.9	8.5	6.1	12	7.3	2.3
Metals									
Aluminum, Dissolved	ug/l	-- [10]	--	<50	<50	60	<50	<50	<50
Arsenic	ug/l	100	3	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	46	30	40	50	70	180	40
Beryllium	ug/l	-- [11]	<1	<2	<2	<2	<2	<2	<2
Boron	ug/l	200 [12]	82	40	60	30	30	90	70
Cadmium	ug/l	0.2 [12]	<0.2	<0.06	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	85900	59000	67000	80000	74000	211000	91000
Chromium	ug/l	-- [13]	<5	<10	<10	<10	<1	<1	<1
Cobalt	ug/l	0.9	--	**1.3**	<0.2	0.2	0.4	0.4	<0.2
Copper	ug/l	5	--	<10	3	1	1	<1	<1
Hexavalent Chromium	ug/l	1 [4]	--	<10	<10	<10	<1	<1	<1
Iron	ug/l	300	**352**	250	300	**370**	**1560**	**860**	210
Lead	ug/l	-- [14]	3	<1	<1	<1	<1	<1	<1
Magnesium	ug/l	--	27000	22000	25000	26000	23000	52000	29000
Manganese	ug/l	--	58	30	20	100	420	1000	40
Molybdenum	ug/l	40	<6	<10	<10	<10	<10	<10	<10
Nickel	ug/l	25	<10	<10	<10	<10	<10	<10	<10
Potassium	ug/l	--	2000	<1000	4000	2000	2000	5000	2000
Silicon	ug/l	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	30500	22000	23000	32000	226000	352000	38000
Strontium	ug/l	--	242	138	252	257	259	674	251
Thallium	ug/l	0.3 [15]	<2	<1	<1	<1	<1	<1	<1
Titanium	ug/l	--	<3	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	--	<10	<1	1	<1	<1	<1
Zinc	ug/l	30	24	<10	<10	<10	10	<10	<10
Zirconium	ug/l	4 [12]	--	<4	<10	<10	2	<1	<1
Semi-VOCs									
Methyl Isobutyl Ketone	ug/l	--	--	<20	<20	--	--	--	--
Acrolein	ug/l	0.03	<10	--	--	--	--	--	--
Acrylonitrile	ug/l	--	<5	--	--	--	--	--	--
Styrene	ug/l	4 [15]	<0.5	<0.5	<0.5	<0.5	--	--	--
VOCs									

Parameter	Unit	(2) (1) PWQO	BD-03-M2 12/1/1999	BD-03-M2 5/30/2000	BD-03-M2 9/25/2000	BD-03-M2 12/6/2000	BD-03-M2 5/22/2001	BD-03-M2 9/11/2001	BD-03-M2 11/22/2001
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	<0.6	<0.6	<0.6	--	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	<0.5	<0.4	<0.4	<0.4	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<1	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
1,1,2-Trichloroethane	ug/l	800	<0.5	<0.4	<0.4	<0.4	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	<0.5	<1	<1	<1	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.5	<1	<1	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.5	<0.7	<0.7	<0.7	--	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	<0.5	<0.7	<0.7	<0.7	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	<0.3	<0.3	<0.3	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.5	<1	<1	<0.4	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.5	<1	<1	<0.4	<0.4	<0.4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<10	<20	<20	--	<20	<20	<20
2-Chloroethyl Vinyl Ether	ug/l	--	<10	--	--	--	--	--	--
Acetone	ug/l	--	<10	<100	<100	--	<100	<100	<100
Benzene	ug/l	100 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (12)	<0.2	<0.4	<0.4	<0.4	--	--	--
Bromomethane	ug/l	0.9 (17)	<3	<0.5	<0.5	<0.5	--	--	--
Carbon Tetrachloride	ug/l	--	<1	<0.9	<0.9	<0.9	--	--	--
Chlorobenzene	ug/l	15 (18)	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	--	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (12)	<2	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	<1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.14	<0.2	<0.2	<0.2	--	--	--
Dibromochloromethane	ug/l	40 (12)	<0.2	<0.3	<0.3	<0.3	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	<1	<1	<1	<1
Methylene Chloride	ug/l	100 (20)	<1	<4	<4	<4	<4	<4	<4
o-Xylene	ug/l	40 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	<0.14	<0.2	<0.2	<0.2	--	--	--
Trichloroethene	ug/l	20	<0.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameter	Unit	[2] [1] PWQO	SW00-1 5/31/2000	SW00-1 9/27/2000	SW00-1 9/27/2000 SW00-1-FD (Field Duplicate)	SW00-1 12/7/2000	SW00-1 5/22/2001	SW00-1 11/23/2001
General Chemistry								
Alkalinity as CaCO3	mg/l	-- [3]	477	212	214	278	240	167
Ammonia, unionized	ug/l	20	0.892	1.072	--	0.04	0.201	0.03
Ammonia Nitrogen	ug/l	--	<20	220	30	<20	40	20
Biologic Oxygen Demand, Five Day	ug/l	--	1000	<1000	<1000	1000	5000	<1000
Bromide	ug/l	--	<50	<50	<50	<50	<50	<50
Chemical Oxygen Demand	ug/l	--	20000	32000	16000	13000	<5000	<5000
Chloride	ug/l	--	44000	97000	95000	73000	1050000	69000
Chromium (III)	ug/l	8.9 [4]	<10	<10	<10	<10	<1	<3
Color	color unit	--	25	11	10	13	9	9
Conductivity (Field)	us/cm	--	580	--	--	1060	610	200
Cyanide	ug/l	5 [5]	<20	<20	<20	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	9.6	11.32	--	15.87	**5.4**	7.51
Fluoride	ug/l	--	160	170	180	130	130	590
Hardness, Calcium Carbonate	ug/l	--	242000	222000	226000	243000	594000	220000
Nitrate	ug/l	--	<100	230	230	320	1170	140
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100
Nitrogen, Organic	ug/l	--	<450	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	450	450	560	510	660	300
pH (Field)	-	8.5	8.2	7.3	--	7.32	7.3	7
Phosphate	ug/l	--	<10	<30	<30	<30	190	<30
Phosphorus	ug/l	-- [7]	20	20	20	<10	**300**	20
Sulfate	ug/l	--	25000	50000	50000	58000	126000	65000
Temperature (Field)	deg c	-- [8]	16	13.6	--	2	14	6
Turbidity	ntu	-- [9]	1.2	7.2	6.2	1.9	93	7
Metals								
Aluminum, Dissolved	ug/l	-- [10]	<50	**110**	<50	<50	<50	<50
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	30	50	50	40	120	40
Beryllium	ug/l	-- [11]	<2	<2	<2	<2	<2	<2
Boron	ug/l	200 [12]	40	50	50	20	30	<50
Cadmium	ug/l	0.2 [12]	<1.5	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	64000	59000	56000	66000	175000	60000
Chromium	ug/l	-- [13]	<10	<10	<10	<10	<1	3
Cobalt	ug/l	0.9	0.4	0.2	0.3	0.2	0.4	<0.2
Copper	ug/l	5	<5	1	1	<1	**7**	1
Hexavalent Chromium	ug/l	1 [4]	<10	<10	<10	<10	<1	<3
Iron	ug/l	300	180	110	100	140	**2500**	120
Lead	ug/l	-- [14]	--	<1	<1	<1	12	<1
Magnesium	ug/l	--	20000	18000	21000	19000	38000	17000
Manganese	ug/l	--	70	200	200	110	290	90
Molybdenum	ug/l	40	<10	<10	<10	<10	<10	<10
Nickel	ug/l	25	<10	<10	<10	<10	10	<10
Potassium	ug/l	--	1000	3000	5000	2000	4000	2000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	34000	72000	70000	35000	560000	47000
Strontium	ug/l	--	161	225	227	207	612	148
Thallium	ug/l	0.3 [15]	<1	<1	<1	<1	<1	<1
Titanium	ug/l	--	10	<10	<10	<10	20	<10
Vanadium	ug/l	6	<2	<1	<1	<1	2	<1
Zinc	ug/l	30	<10	<10	<10	<10	**50**	<10
Zirconium	ug/l	4 [12]	<100	<10	<10	<10	2	<1
Semi-VOCs								
Methyl Isobutyl Ketone	ug/l	--	<20	<20	--	--	--	--
Styrene	ug/l	4 [15]	<0.5	<0.5	<0.5	<0.5	--	--

Parameter	Unit	(2) (1) PWQO	SW00-1 5/31/2000	SW00-1 9/27/2000	SW00-1 9/27/2000 SW00-1-FD (Field Duplicate)	SW00-1 12/7/2000	SW00-1 5/22/2001	SW00-1 11/23/2001
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	<0.6	<0.6	<0.6	<0.6	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	<0.4	<0.4	<0.4	<0.4	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
1,1,2-Trichloroethane	ug/l	800	<0.4	<0.4	<0.4	<0.4	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	<1	<1	<1	<1	--	--
1,2-Dichlorobenzene	ug/l	2.5	<1	<1	<1	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.7	<0.7	<0.7	<0.7	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	<0.7	<0.7	<0.7	<0.7	--	--
1,3,5-Trimethylbenzene	ug/l	--	<0.3	<0.3	<0.3	<0.3	--	--
1,3-Dichlorobenzene	ug/l	2.5	<1	<1	<1	<0.4	--	--
1,4-Dichlorobenzene	ug/l	4	<1	<1	<1	<0.4	<0.4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<20	<20	--	--	<20	<20
Acetone	ug/l	--	<100	<100	--	--	<100	<100
Benzene	ug/l	100 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (12)	<0.4	<0.4	<0.4	<0.4	--	--
Bromomethane	ug/l	0.9 (17)	<0.5	<0.5	<0.5	<0.5	--	--
Carbon Tetrachloride	ug/l	--	<0.9	<0.9	<0.9	<0.9	--	--
Chlorobenzene	ug/l	15 (18)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (12)	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.2	<0.2	<0.2	<0.2	--	--
Dibromochloromethane	ug/l	40 (12)	<0.3	<0.3	<0.3	<0.3	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	<1	<1	<1
Methylene Chloride	ug/l	100 (20)	<4	<4	<4	<4	<4	<4
o-Xylene	ug/l	40 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	<0.2	<0.2	<0.2	<0.2	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameter	Unit	(2) (1) PWQO	SW-1 5/17/1993	SW-1 11/18/1993	SW-1 5/10/1994	SW-1 4/18/1995	SW-1 11/21/1995	SW-1 5/15/1996	SW-1 9/30/1996	SW-1 11/29/1996
General Chemistry										
Alkalinity as CaCO3	mg/l	-- (3)	240	310	210	250	350	190	330	250
Ammonia, unionized	ug/l	20	0.298	0.627	0.443	0.15	0.729	11.038	0.05	0.202
Ammonia Nitrogen	ug/l	--	350	<100	<100	<100	<100	1030	<60	<100
Biologic Oxygen Demand, Five Day	ug/l	--	<3000	<3000	<3000	<3000	<3000	<2000	<2000	<2000
Bromide	ug/l	--	100	<100	<100	<100	<100	<100	120	100
Chemical Oxygen Demand	ug/l	--	15000	<5000	11000	12000	12000	--	<5000	5000
Chloride	ug/l	--	6600	5500	3600	2200	3700	2200	4900	2100
Chromium (III)	ug/l	8.9 (4)	--	--	--	--	--	--	--	--
Color	color unit	--	<5	5	<5	<5	<5	--	4.8	3.4
Conductivity (Field)	us/cm	--	500	725	350	405	420	330	570	310
Cyanide	ug/l	5 (5)	<2	<2	<2	<2	<2	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- (6)	10.4	9.1	11.8	11	9.6	11.8	8.5	10.6
Fluoride	ug/l	--	<100	120	<100	<100	<100	150	150	200
Hardness, Calcium Carbonate	ug/l	--	230000	360000	250000	280000	262000	216000	360000	250000
Nitrate	ug/l	--	2000	1200	770	1200	3000	2200	4700	940
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100	<100
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	540	120	<100	<100	<100	1110	1800	330
pH (Field)	-	8.5	6.8	7.6	7.5	7.1	7.7	7.8	6.6	7.3
Phosphate	ug/l	--	20	<10	<10	<10	<10	<400	<300	<300
Phosphorus	ug/l	-- (7)	30	20	30	10	10	<200	**110**	<20
Sulfate	ug/l	--	15000	26000	11000	15000	22000	16000	52000	18000
Temperature (Field)	deg c	-- (8)	6	8	6.5	4.5	7	9	10.5	2.5
Turbidity	ntu	-- (9)	3.5	0.85	1	1	0.5	--	0.17	0.62
Metals										
Aluminum, Dissolved	ug/l	-- (10)	**340**	<50	70	**390**	**300**	<20	49	70
Arsenic	ug/l	100	<0.5	<2	2	<4	<5	<5	<5	<5
Barium	ug/l	--	20	20	20	19	19	10	140	20
Beryllium	ug/l	-- (11)	<5	<5	<5	<5	<5	<10	<1	<0.1
Boron	ug/l	200 (12)	**290**	100	<50	**610**	**590**	<50	180	30
Cadmium	ug/l	0.2 (12)	<0.15	0.2	0.17	**0.5**	**1.7**	<0.08	<0.2	<0.08
Calcium	ug/l	--	59000	91000	62000	72000	67000	55000	70000	63000
Chromium	ug/l	-- (13)	<10	<10	<10	<10	<10	<20	<2	<2
Cobalt	ug/l	0.9	<0.4	**1**	<0.4	0.4	**21**	<3	<1	<1
Copper	ug/l	5	**18**	<1	<1	**20**	**40**	<3	**9**	**31**
Hexavalent Chromium	ug/l	1 (4)	--	--	--	--	--	--	--	--
Iron	ug/l	300	100	<50	130	110	80	<50	**1900**	210
Lead	ug/l	-- (14)	2	<1	1	14	4	1.7	<2	<0.6
Magnesium	ug/l	--	21000	33000	23000	24000	23000	19000	30000	23000
Manganese	ug/l	--	20	6	30	6	11	<10	510	40
Molybdenum	ug/l	40	<10	<10	<300	<10	<10	<10	<4	<10
Nickel	ug/l	25	<10	<10	<10	<10	<10	<4	<3	<4
Potassium	ug/l	--	<2000	<2000	<2000	<2000	<2000	<1000	3500	<1000
Silicon	ug/l	--	--	--	--	740	--	--	--	--
Silver	ug/l	0.1	**0.4**	<0.1	<0.1	<0.1	<0.1	<3	<0.3	**0.45**
Sodium	ug/l	--	4000	3000	2700	4000	4700	2000	35000	1900
Strontium	ug/l	--	50	60	40	40	50	40	1500	50
Thallium	ug/l	0.3 (15)	<50	<50	<50	<50	<50	<2	<20	<2
Titanium	ug/l	--	<5	<5	<5	<5	<5	<10	<1	<10
Vanadium	ug/l	6	<5	<5	<5	<5	<5	<0.2	<1	<2
Zinc	ug/l	30	30	<10	<10	30	20	<10	4	26
Zirconium	ug/l	4 (12)	<10	<10	<100	<100	<100	<20	<1	<20

Parameter	Unit	(2) (1) PWQO	SW-1 5/7/1997	SW-1 12/2/1997	SW-1 5/13/1998	SW-1 11/25/1998	SW-1 4/26/1999	SW-1 12/1/1999	SW-1 5/30/2000
General Chemistry									
Alkalinity as CaCO3	mg/l	-- (3)	200	250	260	310	250	244	249
Ammonia, unionized	ug/l	20	0.312	0.98	2.419	0.471	9.017	0.704	0.141
Ammonia Nitrogen	ug/l	--	<100	<100	110	160	910	<100	<20
Biologic Oxygen Demand, Five Day	ug/l	--	2600	<2000	<2000	<2000	<2000	<2000	<1000
Bromide	ug/l	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	<5000	<5000	<5000	<5000	<5000	<4000	5000
Chloride	ug/l	--	1800	2300	1600	2100	5900	2420	1000
Chromium (III)	ug/l	8.9 (4)	--	--	--	--	--	--	--
Color	color unit	--	1.9	2.3	1.3	4.7	4.8	5	4
Conductivity (Field)	us/cm	--	310	380	420	540	300	350	580
Cyanide	ug/l	5 (5)	--	--	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	-- (6)	11.1	11.8	12.2	9.7	12.6	9	11.1
Fluoride	ug/l	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	210000	280000	290000	340000	260000	294620	264000
Nitrate	ug/l	--	--	--	--	--	--	--	--
Nitrite	ug/l	--	--	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	<50
Nitrogen, Total Kjeldahl	ug/l	--	320	490	160	650	1900	400	<50
pH (Field)	-	8.5	7.4	7.9	8.1	7.5	7.8	7.65	7.6
Phosphate	ug/l	--	--	--	--	--	--	--	--
Phosphorus	ug/l	-- (7)	--	--	--	--	--	--	--
Sulfate	ug/l	--	--	--	--	--	--	--	--
Temperature (Field)	deg c	-- (8)	5	5	9.5	1.5	8	8	9.5
Turbidity	ntu	-- (9)	<0.5	<0.5	1.2	0.6	1.8	0.3	0.2
Metals									
Aluminum, Dissolved	ug/l	-- (10)	--	--	--	--	--	--	--
Arsenic	ug/l	100	--	--	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--	--	--
Beryllium	ug/l	-- (11)	--	--	--	--	--	--	--
Boron	ug/l	200 (12)	<10	<50	<10	<10	30	<5	10
Cadmium	ug/l	0.2 (12)	--	--	--	--	--	--	--
Calcium	ug/l	--	57000	73000	73000	84000	68000	71600	66000
Chromium	ug/l	-- (13)	--	--	--	--	--	--	--
Cobalt	ug/l	0.9	--	--	--	--	--	--	--
Copper	ug/l	5	--	--	--	--	--	--	--
Hexavalent Chromium	ug/l	1 (4)	--	--	--	--	--	--	--
Iron	ug/l	300	--	--	--	--	--	52	--
Lead	ug/l	-- (14)	--	--	--	--	--	--	--
Magnesium	ug/l	--	20000	25000	26000	31000	22000	28200	24000
Manganese	ug/l	--	--	--	--	--	--	--	--
Molybdenum	ug/l	40	--	--	--	--	--	--	--
Nickel	ug/l	25	--	--	--	--	--	--	--
Potassium	ug/l	--	<1000	<1000	<1000	<1000	1500	<1000	<1000
Silicon	ug/l	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	--	--	--	--	--	--	--
Sodium	ug/l	--	1500	1800	1200	1800	5500	2200	3000
Strontium	ug/l	--	40	50	50	60	70	51	44
Thallium	ug/l	0.3 (15)	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	--
Vanadium	ug/l	6	--	--	--	--	--	--	--
Zinc	ug/l	30	--	--	--	--	--	--	--
Zirconium	ug/l	4 (12)	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-1 10/14/2000	SW-1 12/6/2000	SW-1 5/22/2001	SW-1 11/23/2001
General Chemistry						
Alkalinity as CaCO3	mg/l	-- (3)	347	269	260	283
Ammonia, unionized	ug/l	20	0.239	0.05	0.129	0.372
Ammonia Nitrogen	ug/l	--	70	<20	30	140
Biologic Oxygen Demand, Five Day	ug/l	--	2000	1000	3000	<1000
Bromide	ug/l	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	11000	5000	19000	<5000
Chloride	ug/l	--	3000	2000	2000	2000
Chromium (III)	ug/l	8.9 (4)	--	--	--	<1
Color	color unit	--	5	3	14	3
Conductivity (Field)	us/cm	--	690	764	500	475
Cyanide	ug/l	5 (5)	--	--	--	--
Dissolved Oxygen (Field)	mg/l	-- (6)	**4.4**	8.26	7.4	8.9
Fluoride	ug/l	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	396000	317000	270000	322000
Nitrate	ug/l	--	--	--	--	--
Nitrite	ug/l	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	240	130	1000	180
pH (Field)	-	8.5	7.3	7.28	7.4	7.26
Phosphate	ug/l	--	--	--	--	--
Phosphorus	ug/l	-- (7)	--	--	--	--
Sulfate	ug/l	--	--	--	--	--
Temperature (Field)	deg c	-- (8)	9	4.9	9	7
Turbidity	ntu	-- (9)	2	1.8	83	0.6
Metals						
Aluminum, Dissolved	ug/l	-- (10)	--	--	--	--
Arsenic	ug/l	100	--	--	--	--
Barium	ug/l	--	--	--	--	--
Beryllium	ug/l	-- (11)	--	--	--	--
Boron	ug/l	200 (12)	10	<10	<10	<50
Cadmium	ug/l	0.2 (12)	--	--	--	--
Calcium	ug/l	--	99000	84000	67000	73000
Chromium	ug/l	-- (13)	--	--	--	<1
Cobalt	ug/l	0.9	--	--	--	--
Copper	ug/l	5	--	--	--	--
Hexavalent Chromium	ug/l	1 (4)	--	--	--	<1
Iron	ug/l	300	--	--	--	--
Lead	ug/l	-- (14)	--	--	--	--
Magnesium	ug/l	--	36000	28000	25000	34000
Manganese	ug/l	--	--	--	--	--
Molybdenum	ug/l	40	--	--	--	--
Nickel	ug/l	25	--	--	--	--
Potassium	ug/l	--	2000	<1000	<1000	<1000
Silicon	ug/l	--	--	--	--	--
Silver	ug/l	0.1	--	--	--	--
Sodium	ug/l	--	2000	<2000	<2000	<2000
Strontium	ug/l	--	74	49	34	46
Thallium	ug/l	0.3 (15)	--	--	--	--
Titanium	ug/l	--	--	--	--	--
Vanadium	ug/l	6	--	--	--	--
Zinc	ug/l	30	--	--	--	--
Zirconium	ug/l	4 (12)	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-2 5/17/1993	SW-2 11/18/1993	SW-2 5/10/1994	SW-2 12/2/1994	SW-2 4/18/1995	SW-2 11/21/1995	SW-2 5/15/1996	SW-2 9/30/1996
General Chemistry										
Alkalinity as CaCO3	mg/l	-- (3)	230	170	200	87	160	180	--	170
Ammonia, unionized	ug/l	20	0.108	0.265	0.542	0.108	0.238	0.411	0.008	0.23
Ammonia Nitrogen	ug/l	--	<100	<100	<100	<100	<100	<100	<60	<60
Biologic Oxygen Demand, Five Day	ug/l	--	<3000	<3000	<3000	<3000	<3000	<3000	--	<2000
Bromide	ug/l	--	<100	<100	<100	<100	<100	<100	--	100
Chemical Oxygen Demand	ug/l	--	27000	11000	23000	17000	29000	21000	--	25000
Chloride	ug/l	--	15000	20000	26000	7800	17000	18000	--	19000
Chromium (III)	ug/l	8.9 (4)	--	--	--	--	--	--	--	--
Color	color unit	--	50	25	25	40	20	10	--	48
Conductivity (Field)	us/cm	--	470	395	380	395	350	305	410	330
Cyanide	ug/l	5 (5)	<2	<2	<2	<2	<2	<2	<5	<5
Dissolved Oxygen (Field)	mg/l	-- (6)	**4**	7.7	**5**	**7.3**	**6.8**	10.3	6.9	**4**
Fluoride	ug/l	--	<100	120	<100	180	<100	<100	--	130
Hardness, Calcium Carbonate	ug/l	--	300000	220000	230000	170000	200000	158000	--	190000
Nitrate	ug/l	--	<100	<100	<100	170	<100	<100	--	220
Nitrite	ug/l	--	<100	<100	<100	<100	<100	100	--	<100
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	380	130	170	810	350	<100	400	790
pH (Field)	-	8.5	6.8	7.4	7.4	7.1	7.3	7.7	5.8	7.3
Phosphate	ug/l	--	30	<10	<10	<10	<10	<10	<400	<300
Phosphorus	ug/l	-- (7)	**60**	10	30	20	30	<10	<200	**240**
Sulfate	ug/l	--	6000	31000	10000	64000	12000	21000	--	26000
Temperature (Field)	deg c	-- (8)	9	3	12	0.5	4.5	0	12	10.5
Turbidity	ntu	-- (9)	5	0.65	2	1.5	2	1	--	2.8
Metals										
Aluminum, Dissolved	ug/l	-- (10)	**220**	<50	<50	**430**	**250**	**480**	<20	**80**
Arsenic	ug/l	100	<0.5	<2	<2	<2	<2	<5	<5	<5
Barium	ug/l	--	100	20	30	460	21	19	20	30
Beryllium	ug/l	-- (11)	<5	<5	<5	<5	<5	<5	<10	<1
Boron	ug/l	200 (12)	<50	<50	<50	**440**	**490**	**950**	<50	21
Cadmium	ug/l	0.2 (12)	<0.15	**0.21**	**0.24**	**0.3**	**0.4**	**3.5**	<0.08	<0.2
Calcium	ug/l	--	84000	56000	59000	45000	53000	40000	56000	65000
Chromium	ug/l	-- (13)	<10	<10	<10	<10	<10	<10	<20	<2
Cobalt	ug/l	0.9	<0.4	0.5	<0.4	**2**	<0.4	<0.4	<3	**4**
Copper	ug/l	5	**10**	<1	<1	**43**	**6.8**	**44**	<3	<2
Hexavalent Chromium	ug/l	1 (4)	--	--	--	--	--	--	--	--
Iron	ug/l	300	**520**	50	60	110	220	100	190	150
Lead	ug/l	-- (14)	5	<1	2	12	10	8	<0.6	<2
Magnesium	ug/l	--	23000	18000	19000	15000	15000	14000	18000	21000
Manganese	ug/l	--	190	10	10	5	9	<5	20	10
Molybdenum	ug/l	40	<10	<10	<300	<300	<10	<10	<10	<4
Nickel	ug/l	25	10	<10	<10	<10	<10	<10	<4	<3
Potassium	ug/l	--	<2000	<2000	<2000	2100	<2000	2400	<1000	1700
Silicon	ug/l	--	--	--	--	--	1900	--	--	--
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**11**	<0.3
Sodium	ug/l	--	13000	10000	13000	12000	15000	16000	19000	20000
Strontium	ug/l	--	170	160	130	160	120	95	110	250
Thallium	ug/l	0.3 (15)	<50	<50	<50	<50	<50	<50	<2	<20
Titanium	ug/l	--	<5	<5	<5	<5	<5	<5	<10	<1
Vanadium	ug/l	6	<5	<5	<5	<5	<5	<5	<0.2	<1
Zinc	ug/l	30	**40**	10	<10	**120**	<10	30	<10	20
Zirconium	ug/l	4 (12)	<10	<10	<100	<100	<100	<100	<20	<1

Parameter	Unit	(2) (1) PWQO	SW-2 11/29/1996	SW-2 5/7/1997	SW-2 12/2/1997	SW-2 5/13/1998	SW-2 11/25/1998	SW-2 4/26/1999	SW-2 11/25/1999	SW-2 5/30/2000
General Chemistry										
Alkalinity as CaCO3	mg/l	-- (3)	210	230	170	240	250	210	120	233
Ammonia, unionized	ug/l	20	0.082	0.367	0.327	2.623	0.104	0.464	0.177	0.199
Ammonia Nitrogen	ug/l	--	<100	<100	<100	180	100	<100	<100	20
Biologic Oxygen Demand, Five Day	ug/l	--	<2000	2000	<2000	2000	<2000	<2000	2000	1000
Bromide	ug/l	--	100	110	<100	<100	<100	<100	<350	<50
Chemical Oxygen Demand	ug/l	--	<5000	<5000	18000	20000	12000	<5000	34000	10000
Chloride	ug/l	--	17000	22000	28000	28000	20000	24000	25600	26000
Chromium (III)	ug/l	8.9 (4)	--	--	--	--	--	--	--	<10
Color	color unit	--	11	12	20	37	23	20	32	27
Conductivity (Field)	us/cm	--	290	340	300	420	450	310	340	460
Cyanide	ug/l	5 (5)	<5	<5	<5	**7**	**6**	<5	<20	<20
Dissolved Oxygen (Field)	mg/l	-- (6)	**7.5**	8.8	14.8	8.5	10.2	13.4	**3.3**	13.2
Fluoride	ug/l	--	210	120	<100	<100	<100	<100	<100	140
Hardness, Calcium Carbonate	ug/l	--	210000	210000	190000	220000	260000	230000	222080	227000
Nitrate	ug/l	--	310	230	<100	<100	<100	<100	<100	<100
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100	<100
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	360
Nitrogen, Total Kjeldahl	ug/l	--	570	230	850	1700	1600	1800	1100	380
pH (Field)	-	8.5	7	7.4	7.6	7.8	7.1	7.4	7.1	7.5
Phosphate	ug/l	--	<300	<20	<300	<300	<20	<20	<10	<10
Phosphorus	ug/l	-- (7)	<20	<20	<20	**210**	**190**	20	**100**	10
Sulfate	ug/l	--	16000	9100	28000	2600	18000	10000	90600	6000
Temperature (Field)	deg c	-- (8)	0	7	0	13	0	10	6.5	17
Turbidity	ntu	-- (9)	<0.5	0.6	0.74	11	2.5	0.5	13	1.1
Metals										
Aluminum, Dissolved	ug/l	-- (10)	30	<20	60	<20	60	20	50	<50
Arsenic	ug/l	100	<5	<5	<5	<5	<5	<5	<2	<1
Barium	ug/l	--	20	20	20	30	30	30	28	30
Beryllium	ug/l	-- (11)	<0.1	<0.1	<0.1	<1	<1	<1	<1	<2
Boron	ug/l	200 (12)	<10	<10	<10	<10	<10	<10	18	10
Cadmium	ug/l	0.2 (12)	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.2	<0.06
Calcium	ug/l	--	55000	55000	51000	59000	69000	63000	58000	61000
Chromium	ug/l	-- (13)	<2	<2	<2	<2	<2	<2	<5	<10
Cobalt	ug/l	0.9	<1	<0.6	<0.1	0.5	<0.1	<0.1	0.3	**1.2**
Copper	ug/l	5	**22**	<3	<3	**8**	<3	<3	2.4	<10
Hexavalent Chromium	ug/l	1 (4)	--	--	--	--	--	--	--	<10
Iron	ug/l	300	60	27	80	**760**	130	48	165	40
Lead	ug/l	-- (14)	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<2	<1
Magnesium	ug/l	--	18000	18000	16000	18000	22000	18000	18800	18000
Manganese	ug/l	--	<10	<10	<10	590	30	10	119	<10
Molybdenum	ug/l	40	<10	<10	<10	<10	<10	<10	<6	<10
Nickel	ug/l	25	9	<4	<4	<4	<4	<4	<10	<10
Potassium	ug/l	--	<1000	<1000	1400	1500	<1000	<1000	<1000	<1000
Silicon	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	**0.27**	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1
Sodium	ug/l	--	12000	16000	16000	19000	16000	17000	16300	21000
Strontium	ug/l	--	140	110	120	180	250	160	190	141
Thallium	ug/l	0.3 (15)	<2	<0.3	<0.2	<0.2	<0.2	<0.2	<2	<1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10	<3	<10
Vanadium	ug/l	6	<2	<2	<2	<2	<2	<2	1	<2
Zinc	ug/l	30	**33**	<2	<2	9	<2	<2	**48**	<10
Zirconium	ug/l	4 (12)	<20	<4	<2	<2	<2	<2	<3	<4

Parameter	Unit	(2) (1) PWQO	SW-2 (22) 10/14/2000	SW-2 12/6/2000	SW-2 5/23/2001	SW-2 11/23/2001
General Chemistry						
Alkalinity as CaCO3	mg/l	-- (3)	--	265	221	106
Ammonia, unionized	ug/l	20	--	0.04	0.561	0.073
Ammonia Nitrogen	ug/l	--	--	<20	130	20
Biologic Oxygen Demand, Five Day	ug/l	--	--	<1000	3000	<1000
Bromide	ug/l	--	--	<50	<50	<50
Chemical Oxygen Demand	ug/l	--	--	11000	29000	22000
Chloride	ug/l	--	--	2000	3000	25000
Chromium (III)	ug/l	8.9 (4)	--	<10	<1	<2
Color	color unit	--	--	8	80	46
Conductivity (Field)	us/cm	--	--	774	510	240
Cyanide	ug/l	5 (5)	--	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- (6)	--	9.84	6	**5.44**
Fluoride	ug/l	--	--	<100	140	480
Hardness, Calcium Carbonate	ug/l	--	--	308000	216000	181000
Nitrate	ug/l	--	--	460	<100	<100
Nitrite	ug/l	--	--	<100	<100	<100
Nitrogen, Organic	ug/l	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	--	290	1150	580
pH (Field)	-	8.5	--	7.3	7.3	7.4
Phosphate	ug/l	--	--	<30	<30	<30
Phosphorus	ug/l	-- (7)	--	**40**	**60**	20
Sulfate	ug/l	--	--	30000	5000	68000
Temperature (Field)	deg c	-- (8)	--	1.2	12	7
Turbidity	ntu	-- (9)	--	7.6	6.3	0.8
Metals						
Aluminum, Dissolved	ug/l	-- (10)	--	**80**	<50	<50
Arsenic	ug/l	100	--	<1	<1	<1
Barium	ug/l	--	--	20	30	20
Beryllium	ug/l	-- (11)	--	<2	<2	<2
Boron	ug/l	200 (12)	--	<10	<10	<50
Cadmium	ug/l	0.2 (12)	--	<0.1	<0.1	<0.1
Calcium	ug/l	--	--	77000	55000	46000
Chromium	ug/l	-- (13)	--	<10	<1	2
Cobalt	ug/l	0.9	--	0.2	<0.2	<0.2
Copper	ug/l	5	--	1	<1	1
Hexavalent Chromium	ug/l	1 (4)	--	<10	<1	<2
Iron	ug/l	300	--	**1350**	**650**	50
Lead	ug/l	-- (14)	--	<1	<1	<1
Magnesium	ug/l	--	--	28000	19000	16000
Manganese	ug/l	--	--	120	120	40
Molybdenum	ug/l	40	--	<10	<10	<10
Nickel	ug/l	25	--	<10	<10	<10
Potassium	ug/l	--	--	<1000	<1000	<1000
Silicon	ug/l	--	--	--	--	--
Silver	ug/l	0.1	--	<0.1	<0.1	<0.1
Sodium	ug/l	--	--	<2000	<2000	16000
Strontium	ug/l	--	--	62	92	136
Thallium	ug/l	0.3 (15)	--	<1	<1	<1
Titanium	ug/l	--	--	<10	<10	<10
Vanadium	ug/l	6	--	2	<1	<1
Zinc	ug/l	30	--	<10	<10	<10
Zirconium	ug/l	4 (12)	--	<10	2	2

Parameter	Unit	(2) (1) PWQO	SW-3 5/17/1993	SW-3 11/18/1993	SW-3 5/10/1994	SW-3 12/2/1994	SW-3 4/18/1995	SW-3 11/21/1995	SW-3 5/15/1996	SW-3 9/30/1996
General Chemistry										
Alkalinity as CaCO3	mg/l	-- (3)	490	420	290	150	170	490	450	450
Ammonia, unionized	ug/l	20	5.197	4.325	2.954	0.207	0.983	2.713	0.17	0.114
Ammonia Nitrogen	ug/l	--	3800	1700	800	<100	320	960	3650	90
Biologic Oxygen Demand, Five Day	ug/l	--	25000	<3000	3000	3000	<3000	6000	9500	12000
Bromide	ug/l	--	600	200	140	150	140	200	<100	230
Chemical Oxygen Demand	ug/l	--	160000	28000	34000	54000	48000	82000	--	120000
Chloride	ug/l	--	120000	73000	12000	76000	15000	52000	31000	35000
Color	color unit	--	625	50	60	50	50	100	--	63
Conductivity (Field)	us/cm	--	1300	950	500	1150	360	875	800	920
Cyanide	ug/l	5 (5)	<2	<2	2	<2	3	<2	<5	<5
Dissolved Oxygen (Field)	mg/l	-- (6)	**6.3**	**4.2**	**3.8**	**6.8**	**5.6**	**3.2**	**1.4**	**4**
Fluoride	ug/l	--	<100	140	120	<100	<100	<100	280	350
Hardness, Calcium Carbonate	ug/l	--	460000	470000	310000	430000	190000	419000	471000	450000
Nitrate	ug/l	--	190	590	230	1300	<100	460	<50	250
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<1000	<100	<100
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	5900	1900	1600	1400	1300	2500	5580	1200
pH (Field)	-	8.5	6.8	7.4	7.3	7.4	7.5	7.5	5.4	6.8
Phosphate	ug/l	--	120	<10	<10	30	30	<10	<400	<300
Phosphorus	ug/l	-- (7)	**230**	**80**	**90**	**90**	**90**	**250**	<510	**100**
Sulfate	ug/l	--	6700	89000	7000	210000	19000	120000	35000	120000
Temperature (Field)	deg c	-- (8)	12	2.5	10	0	2	1	10	11
Turbidity	ntu	-- (9)	65	15	8	1.8	7.5	10	--	3.5
Metals										
Aluminum, Dissolved	ug/l	-- (10)	**11000**	**430**	**80**	**450**	**420**	**220**	**110**	**470**
Arsenic	ug/l	100	0.7	2	<2	<2	3	<5	<5	<5
Barium	ug/l	--	300	70	40	300	29	68	90	70
Beryllium	ug/l	-- (11)	<5	<5	<5	<5	<5	<5	<10	<1
Boron	ug/l	200 (12)	**680**	120	90	**1100**	**620**	**590**	150	**340**
Cadmium	ug/l	0.2 (12)	**0.8**	<0.15	**0.41**	**0.3**	**0.4**	**2.2**	<0.08	<0.2
Calcium	ug/l	--	95000	120000	79000	120000	50000	110000	131000	72000
Chromium	ug/l	-- (13)	50	<10	<10	<10	<10	<10	<20	<2
Cobalt	ug/l	0.9	**6**	0.5	<0.4	**8.5**	**8**	**22**	<3	<1
Copper	ug/l	5	**34**	<1	<1	**55**	**21**	**37**	<3	**12**
Iron	ug/l	300	**16000**	**870**	**1150**	180	**310**	**2800**	**13000**	**6100**
Lead	ug/l	-- (14)	48	2	<1	40	19	20	7.9	<2
Magnesium	ug/l	--	53000	42000	27000	32000	15000	35000	35000	16000
Manganese	ug/l	--	370	170	80	30	122	650	1300	360
Molybdenum	ug/l	40	<10	<10	<300	<300	<10	<10	<10	<4
Nickel	ug/l	25	**70**	<10	<10	<10	<10	<10	<4	<3
Potassium	ug/l	--	26000	14000	4400	16000	6000	16000	9000	4800
Silicon	ug/l	--	--	--	--	--	1500	--	--	--
Silver	ug/l	0.1	**0.3**	<0.1	<0.1	**1**	<0.1	<0.1	**19**	<0.3
Sodium	ug/l	--	94000	43000	11000	61000	24000	53000	33000	27000
Strontium	ug/l	--	320	280	150	240	90	270	290	190
Thallium	ug/l	0.3 (15)	<50	<50	<50	<50	<50	<50	<2	<20
Titanium	ug/l	--	590	10	<5	<5	<5	<5	<10	<1
Vanadium	ug/l	6	**30**	<5	<5	<5	<5	<5	<0.2	<1
Zinc	ug/l	30	**140**	<10	<10	**160**	**40**	30	<10	**100**
Zirconium	ug/l	4 (12)	<10	<10	<100	<100	<100	<100	<20	<1

Parameter	Unit	(2) (1) PWQO	SW-3 5/7/1997	SW-3 9/22/1997	SW-3 12/2/1997	SW-3 5/13/1998	SW-3 11/25/1998	SW-3 4/26/1999	SW-3 12/1/1999
General Chemistry									
Alkalinity as CaCO3	mg/l	-- (3)	370	170	270	350	850	460	52
Ammonia, unionized	ug/l	20	3.323	0.147	0.207	2.123	1.346	2.583	5.937
Ammonia Nitrogen	ug/l	--	900	<100	<100	<100	820	880	1100
Biologic Oxygen Demand, Five Day	ug/l	--	2800	3000	10000	12000	44000	46000	28000
Bromide	ug/l	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	240000	24000	530000	21000	420000	1200000	2680000
Chloride	ug/l	--	44000	20000	9600	19000	100000	52000	88000
Color	color unit	--	73	60	40	78	130	77	3
Conductivity (Field)	us/cm	--	650	460	420	580	700	710	850
Cyanide	ug/l	5 (5)	--	--	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	-- (6)	**5.1**	**5.4**	9.5	**4.8**	**3**	**1.5**	**3**
Fluoride	ug/l	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	350000	220000	280000	290000	620000	490000	678530
Nitrate	ug/l	--	--	--	--	--	--	--	--
Nitrite	ug/l	--	--	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	8800	1600	10000	2800	11000	57000	77000
pH (Field)	-	8.5	7.3	6.9	7.4	7.9	7.3	7.2	7.71
Phosphate	ug/l	--	--	--	--	--	--	--	--
Phosphorus	ug/l	-- (7)	--	--	--	--	--	--	--
Sulfate	ug/l	--	--	--	--	--	--	--	--
Temperature (Field)	deg c	-- (8)	10	10	0	15	0	10	3
Turbidity	ntu	-- (9)	400	6.9	190	19	150	600	1450
Metals									
Aluminum, Dissolved	ug/l	-- (10)	--	--	--	--	--	--	--
Arsenic	ug/l	100	--	--	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--	--	--
Beryllium	ug/l	-- (11)	--	--	--	--	--	--	--
Boron	ug/l	200 (12)	**480**	60	50	150	**470**	**400**	**604**
Cadmium	ug/l	0.2 (12)	--	--	--	--	--	--	--
Calcium	ug/l	--	92000	60000	74000	68000	140000	130000	225000
Chromium	ug/l	-- (13)	--	--	--	--	--	--	--
Cobalt	ug/l	0.9	--	--	--	--	--	--	--
Copper	ug/l	5	--	--	--	--	--	--	--
Iron	ug/l	300	--	--	--	--	--	--	**63300**
Lead	ug/l	-- (14)	--	--	--	--	--	--	--
Magnesium	ug/l	--	28000	18000	24000	29000	66000	40000	28300
Manganese	ug/l	--	--	--	--	--	--	--	--
Molybdenum	ug/l	40	--	--	--	--	--	--	--
Nickel	ug/l	25	--	--	--	--	--	--	--
Potassium	ug/l	--	16000	5500	3900	10000	28000	19000	11500
Silicon	ug/l	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	--	--	--	--	--	--	--
Sodium	ug/l	--	59000	12000	6400	24000	160000	74000	28500
Strontium	ug/l	--	300	140	100	170	460	350	517
Thallium	ug/l	0.3 (15)	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	--
Vanadium	ug/l	6	--	--	--	--	--	--	--
Zinc	ug/l	30	--	--	--	--	--	--	--
Zirconium	ug/l	4 (12)	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-3 5/30/2000	SW-3 10/14/2000	SW-3 12/6/2000	SW-3 5/22/2001	SW-3 11/22/2001
General Chemistry							
Alkalinity as CaCO3	mg/l	-- (3)	501	299	670	572	215
Ammonia, unionized	ug/l	20	0.912	0.074	0.849	4.045	0.268
Ammonia Nitrogen	ug/l	--	200	40	800	510	300
Biologic Oxygen Demand, Five Day	ug/l	--	8000	<1000	35000	11000	7000
Bromide	ug/l	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	73000	49000	69000	107000	77000
Chloride	ug/l	--	38000	54000	80000	34000	59000
Color	color unit	--	65	35	36	153	101
Conductivity (Field)	us/cm	--	1050	680	1730	900	905
Cyanide	ug/l	5 (5)	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	-- (6)	2.4	1	3.58	2.5	2.18
Fluoride	ug/l	--	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	471000	335000	641000	608000	436000
Nitrate	ug/l	--	--	--	--	--	--
Nitrite	ug/l	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	2380	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	2580	1010	3040	3970	4340
pH (Field)	-	8.5	7	7	7.07	7.6	6.82
Phosphate	ug/l	--	--	--	--	--	--
Phosphorus	ug/l	-- (7)	--	--	--	--	--
Sulfate	ug/l	--	--	--	--	--	--
Temperature (Field)	deg c	-- (8)	22	10	1.1	11	6
Turbidity	ntu	-- (9)	27.9	1.2	>100	67	15
Metals							
Aluminum, Dissolved	ug/l	-- (10)	--	--	--	--	--
Arsenic	ug/l	100	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--
Beryllium	ug/l	-- (11)	--	--	--	--	--
Boron	ug/l	200 (12)	**1370**	40	**400**	**390**	**970**
Cadmium	ug/l	0.2 (12)	--	--	--	--	--
Calcium	ug/l	--	121000	88000	169000	166000	107000
Chromium	ug/l	-- (13)	--	--	--	--	--
Cobalt	ug/l	0.9	--	--	--	--	--
Copper	ug/l	5	--	--	--	--	--
Iron	ug/l	300	--	--	--	--	--
Lead	ug/l	-- (14)	--	--	--	--	--
Magnesium	ug/l	--	41000	28000	53000	47000	41000
Manganese	ug/l	--	--	--	--	--	--
Molybdenum	ug/l	40	--	--	--	--	--
Nickel	ug/l	25	--	--	--	--	--
Potassium	ug/l	--	14000	1000	33000	10000	21000
Silicon	ug/l	--	--	--	--	--	--
Silver	ug/l	0.1	--	--	--	--	--
Sodium	ug/l	--	84000	36000	70000	61000	74000
Strontium	ug/l	--	310	221	412	310	307
Thallium	ug/l	0.3 (15)	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--
Vanadium	ug/l	6	--	--	--	--	--
Zinc	ug/l	30	--	--	--	--	--
Zirconium	ug/l	4 (12)	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW-4 5/17/1993	SW-4 11/18/1993	SW-4 5/10/1994	SW-4 12/2/1994	SW-4 12/2/1994 SW-4-FD (Field Duplicate)	SW-4 4/18/1995	SW-4 4/18/1995 SW-4-FD (Field Duplicate)	SW-4 11/21/1995
General Chemistry										
Alkalinity as CaCO3	mg/l	-- [3]	340	280	270	270	280	280	310	340
Ammonia, unionized	ug/l	20	3.504	2.204	2.675	0.411	--	5.951	--	0.979
Ammonia Nitrogen	ug/l	--	2200	620	290	<100	<100	800	850	210
Biologic Oxygen Demand, Five Day	ug/l	--	<3000	<3000	3000	<3000	<3000	<3000	<3000	<3000
Bromide	ug/l	--	150	180	160	230	230	160	160	170
Chemical Oxygen Demand	ug/l	--	29000	28000	11000	28000	25000	86000	39000	36000
Chloride	ug/l	--	58000	53000	33000	78000	78000	54000	55000	64000
Color	color unit	--	50	30	30	20	20	15	10	15
Conductivity (Field)	us/cm	--	925	800	500	1050	1050	725	725	825
Cyanide	ug/l	5 [5]	<2	<2	3	<2	<2	<2	<2	<2
Dissolved Oxygen (Field)	mg/l	-- [6]	7.1	10.6	11.1	9.5	9.5	10.8	10.8	10
Fluoride	ug/l	--	<100	160	110	<100	<100	<100	<100	<100
Hardness, Calcium Carbonate	ug/l	--	370000	370000	290000	410000	420000	370000	390000	357000
Nitrate	ug/l	--	580	460	250	500	510	<100	<100	570
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100	<1000
Nitrogen, Total Kjeldahl	ug/l	--	3000	680	780	<100	230	940	1000	690
pH (Field)	-	8.5	6.9	7.6	7.7	7.7	7.7	7.7	7.7	7.7
Phosphate	ug/l	--	20	<10	<10	<10	<10	<10	<10	<10
Phosphorus	ug/l	-- [7]	**30**	20	10	**70**	**40**	**40**	10	20
Sulfate	ug/l	--	11000	43000	13000	120000	120000	22000	22000	57000
Temperature (Field)	deg c	-- [8]	11	1	10	0	0	6.5	6.5	1.5
Turbidity	ntu	-- [9]	9.5	2.5	3	2.5	1.7	2	3	2.5
Metals										
Aluminum, Dissolved	ug/l	-- [10]	**480**	<50	<50	**730**	**550**	**650**	**550**	**590**
Arsenic	ug/l	100	<0.5	3	<2	<2	<2	<2	<2	<5
Barium	ug/l	--	130	80	70	530	390	80	81	73
Beryllium	ug/l	-- [11]	<5	<5	<5	<5	<5	<5	<5	<5
Boron	ug/l	200 [12]	**440**	<50	70	**860**	**590**	**1400**	**410**	**1600**
Cadmium	ug/l	0.2 [12]	<0.15	<0.15	**0.43**	**0.3**	**0.3**	**0.7**	**0.6**	**2**
Calcium	ug/l	--	99000	100000	78000	120000	120000	110000	110000	100000
Chromium	ug/l	-- [13]	20	<10	<10	<10	<10	<10	<10	<10
Cobalt	ug/l	0.9	<0.4	0.5	<0.4	**3**	**2.5**	<0.4	<0.4	<0.4
Copper	ug/l	5	**14**	<1	<1	**45**	**58**	**14**	**18**	**36**
Iron	ug/l	300	**870**	**310**	**600**	**420**	**460**	**340**	**310**	190
Lead	ug/l	-- [14]	9	<1	1	34	35	23	23	14
Magnesium	ug/l	--	29000	28000	23000	28000	29000	25000	26000	26000
Manganese	ug/l	--	120	40	110	41	39	21	17	13
Molybdenum	ug/l	40	<10	<10	<300	<300	<300	<10	<10	<10
Nickel	ug/l	25	**30**	<10	<10	<10	<10	<10	<10	<10
Potassium	ug/l	--	6000	5000	2800	8200	7800	4000	4000	5600
Silicon	ug/l	--	--	--	--	--	--	2000	1500	--
Silver	ug/l	0.1	**0.4**	<0.1	<0.1	**0.5**	**0.5**	<0.1	<0.1	<0.1
Sodium	ug/l	--	28000	24000	17000	54000	55000	41000	41000	39000
Strontium	ug/l	--	40	240	170	310	320	250	260	290
Thallium	ug/l	0.3 [15]	<50	<50	<50	<50	<50	<50	<50	<50
Titanium	ug/l	--	<5	<5	<5	<5	6	<5	<5	<5
Vanadium	ug/l	6	<5	<5	<5	<5	<5	<5	<5	<5
Zinc	ug/l	30	**40**	<10	<10	**150**	**160**	20	30	20
Zirconium	ug/l	4 [12]	<10	<10	<100	<100	<100	<100	<100	<100

Parameter	Unit	[2] [1] PWQO	SW-4 5/15/1996	SW-4 9/30/1996
General Chemistry				
Alkalinity as CaCO3	mg/l	-- [3]	240	380
Ammonia, unionized	ug/l	20	1.411	0.23
Ammonia Nitrogen	ug/l	--	340	<60
Biologic Oxygen Demand, Five Day	ug/l	--	<2000	<2000
Bromide	ug/l	--	<100	290
Chemical Oxygen Demand	ug/l	--	--	35000
Chloride	ug/l	--	34000	74000
Color	color unit	--	--	30
Conductivity (Field)	us/cm	--	500	820
Cyanide	ug/l	5 [5]	<5	**6**
Dissolved Oxygen (Field)	mg/l	-- [6]	9.1	--
Fluoride	ug/l	--	230	240
Hardness, Calcium Carbonate	ug/l	--	274000	400000
Nitrate	ug/l	--	<50	340
Nitrite	ug/l	--	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	700	1600
pH (Field)	-	8.5	7.3	7.3
Phosphate	ug/l	--	<400	<300
Phosphorus	ug/l	-- [7]	<200	**130**
Sulfate	ug/l	--	24000	59000
Temperature (Field)	deg c	-- [8]	11.5	10.5
Turbidity	ntu	-- [9]	--	0.59
Metals				
Aluminum, Dissolved	ug/l	-- [10]	<20	36
Arsenic	ug/l	100	<5	<5
Barium	ug/l	--	80	90
Beryllium	ug/l	-- [11]	<10	<1
Boron	ug/l	200 [12]	<50	160
Cadmium	ug/l	0.2 [12]	<0.08	<0.2
Calcium	ug/l	--	75000	110000
Chromium	ug/l	-- [13]	<20	<2
Cobalt	ug/l	0.9	<3	<1
Copper	ug/l	5	<3	4
Iron	ug/l	300	**320**	110
Lead	ug/l	-- [14]	<0.6	<2
Magnesium	ug/l	--	21000	29000
Manganese	ug/l	--	40	20
Molybdenum	ug/l	40	<10	<4
Nickel	ug/l	25	<4	<3
Potassium	ug/l	--	3100	6400
Silicon	ug/l	--	--	--
Silver	ug/l	0.1	<3	<0.3
Sodium	ug/l	--	19000	150000
Strontium	ug/l	--	200	330
Thallium	ug/l	0.3 [15]	<2	<20
Titanium	ug/l	--	<10	<1
Vanadium	ug/l	6	<0.2	<1
Zinc	ug/l	30	<10	5
Zirconium	ug/l	4 [12]	<20	<1

Parameter	Unit	[2] [1] PWQO	SW-4 11/29/1996	SW-4 5/7/1997	SW-4 9/22/1997	SW-4 12/2/1997	SW-4 5/13/1998	SW-4 11/25/1998	SW-4 4/26/1999	SW-4 12/1/1999
General Chemistry										
Alkalinity as CaCO3	mg/l	-- [3]	280	210	260	250	230	360	270	372
Ammonia, unionized	ug/l	20	2.656	1.828	0.093	1.769	8.895	1.954	**58.32**	0.429
Ammonia Nitrogen	ug/l	--	830	<100	<100	430	180	220	790	<100
Biologic Oxygen Demand, Five Day	ug/l	--	<2000	2300	2000	<2000	2000	<2000	<2000	<2000
Bromide	ug/l	--	140	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	<5000	<5000	9000	13000	15000	23000	<5000	21000
Chloride	ug/l	--	38000	260	67000	38000	28000	100000	57000	99000
Color	color unit	--	14	15	26	23	20	24	24	14.5
Conductivity (Field)	us/cm	--	420	410	920	460	640	940	475	840
Cyanide	ug/l	5 [5]	<5	--	--	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	-- [6]	10.4	10.4	6.6	12.4	4.6	13.4	14.9	7
Fluoride	ug/l	--	230	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	320000	250000	430000	300000	260000	370000	300000	536250
Nitrate	ug/l	--	460	--	--	--	--	--	--	--
Nitrite	ug/l	--	<100	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	1500	670	1800	1400	520	460	2100	1500
pH (Field)	-	8.5	7.5	7.9	6.6	7.7	8.15	8	8.4	7.61
Phosphate	ug/l	--	<300	--	--	--	--	--	--	--
Phosphorus	ug/l	-- [7]	**70**	--	--	--	--	--	--	--
Sulfate	ug/l	--	21000	--	--	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	2.5	13	13	0	19	1	17	3
Turbidity	ntu	-- [9]	2.2	1.6	24	22	3.2	3.2	5.5	7.6
Metals										
Aluminum, Dissolved	ug/l	-- [10]	**610**	--	--	--	--	--	--	--
Arsenic	ug/l	100	<5	--	--	--	--	--	--	--
Barium	ug/l	--	130	--	--	--	--	--	--	--
Beryllium	ug/l	-- [11]	<0.1	--	--	--	--	--	--	--
Boron	ug/l	200 [12]	80	50	**210**	80	50	130	100	**250**
Cadmium	ug/l	0.2 [12]	<0.08	--	--	--	--	--	--	--
Calcium	ug/l	--	88000	67000	140000	83000	71000	100000	80000	153000
Chromium	ug/l	-- [13]	<2	--	--	--	--	--	--	--
Cobalt	ug/l	0.9	<1	--	--	--	--	--	--	--
Copper	ug/l	5	**16**	--	--	--	--	--	--	--
Iron	ug/l	300	**3300**	--	--	--	--	--	--	**1280**
Lead	ug/l	-- [14]	<0.6	--	--	--	--	--	--	--
Magnesium	ug/l	--	25000	19000	22000	23000	20000	28000	24000	37500
Manganese	ug/l	--	1200	--	--	--	--	--	--	--
Molybdenum	ug/l	40	<10	--	--	--	--	--	--	--
Nickel	ug/l	25	6	--	--	--	--	--	--	--
Potassium	ug/l	--	2900	1900	7600	3400	1600	5400	4200	5000
Silicon	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	**0.12**	--	--	--	--	--	--	--
Sodium	ug/l	--	20000	16000	51000	23000	17000	63000	30000	61000
Strontium	ug/l	--	210	150	320	200	170	340	260	432
Thallium	ug/l	0.3 [15]	<2	--	--	--	--	--	--	--
Titanium	ug/l	--	20	--	--	--	--	--	--	--
Vanadium	ug/l	6	2	--	--	--	--	--	--	--
Zinc	ug/l	30	**69**	--	--	--	--	--	--	--
Zirconium	ug/l	4 [12]	<20	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW-5 5/17/1993	SW-5 8/31/1993	SW-5 8/31/1993 SW-5-FD (Field Duplicate)	SW-5 11/18/1993	SW-5 11/18/1993 SW-5-FD (Field Duplicate)	SW-5 5/10/1994	SW-5 9/14/1994	SW-5 12/2/1994
General Chemistry										
Alkalinity as CaCO3	mg/l	--[3]	250	370	320	270	270	220	190	170
Ammonia, unionized	ug/l	20	0.174	1.405	--	0.244	--	0.355	2.189	0.411
Ammonia Nitrogen	ug/l	--	160	<100	<100	<100	<100	<100	<100	<100
Biologic Oxygen Demand, Five Day	ug/l	--	8700	<3000	<3000	<3000	<3000	<3000	4000	<3000
Bromide	ug/l	--	<100	280	280	<100	<100	<100	110	150
Chemical Oxygen Demand	ug/l	--	23000	44000	44000	10000	10000	28000	<5000	31000
Chloride	ug/l	--	26000	86000	85000	32000	31000	20000	29000	48000
Chromium (III)	ug/l	8.9[4]	--	--	--	--	--	--	--	--
Color	color unit	--	100	40	40	40	35	50	80	35
Conductivity (Field)	us/cm	--	575	800	800	700	700	440	470	1000
Cyanide	ug/l	5[5]	<2	<2	<2	<2	<2	<2	2	<2
Dissolved Oxygen (Field)	mg/l	--[6]	7.4	7	7	**7.2**	**7.2**	**5.5**	5.5	11.3
Fluoride	ug/l	--	<100	180	180	160	140	<100	160	<100
Hardness, Calcium Carbonate	ug/l	--	270000	440000	440000	330000	330000	260000	210000	390000
Nitrate	ug/l	--	160	240	270	230	240	<100	1100	460
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100	<100
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	1200	1100	1200	310	330	300	<100	250
pH (Field)	-	8.5	6.7	7.4	7.4	7.4	7.4	7.3	7.8	7.7
Phosphate	ug/l	--	20	<10	<10	<10	<10	<10	<10	10
Phosphorus	ug/l	--[7]	**80**	**40**	30	10	10	10	**80**	20
Sulfate	ug/l	--	7500	76000	74000	38000	39000	10000	7600	170000
Temperature (Field)	deg c	--[8]	12	25	25	2	2	9.5	18.5	0
Turbidity	ntu	--[9]	9	4.5	5	1.5	2	3	6	1.3
Metals										
Aluminum, Dissolved	ug/l	--[10]	**400**	**450**	**280**	<50	<50	<50	**470**	**230**
Arsenic	ug/l	100	<0.5	2	<2	2	<2	2	<2	<2
Barium	ug/l	--	50	160	150	40	40	40	80	530
Beryllium	ug/l	--[11]	<5	<5	<5	<5	<5	<5	<5	<5
Boron	ug/l	200[12]	**390**	**210**	**210**	<50	<50	<50	**1300**	**470**
Cadmium	ug/l	0.2[12]	<0.15	<0.15	<0.15	<0.15	<0.15	**0.4**	**1.4**	**0.3**
Calcium	ug/l	--	68000	110000	110000	86000	86000	66000	43000	110000
Chromium	ug/l	--[13]	10	<10	<10	<10	<10	<10	<10	<10
Cobalt	ug/l	0.9	<0.4	<7	**4.5**	**16**	0.5	<0.4	**1.5**	**3.5**
Copper	ug/l	5	**20**	<0.1	<0.1	<1	<1	<1	<1	**53**
Hexavalent Chromium	ug/l	1[4]	--	--	--	--	--	--	--	--
Iron	ug/l	300	**2000**	**840**	**550**	300	300	**700**	**1700**	210
Lead	ug/l	--[14]	10	13	7	<1	<1	<1	10	28
Magnesium	ug/l	--	23000	39000	39000	27000	27000	22000	24000	28000
Manganese	ug/l	--	80	140	130	30	20	60	340	38
Molybdenum	ug/l	40	<10	<5	<5	<10	<10	<300	<300	<300
Nickel	ug/l	25	20	10	<10	<10	<10	<10	<10	<10
Potassium	ug/l	--	<2000	6500	6400	2000	2000	<2000	6300	6900
Silicon	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	**0.3**	<0.1	<0.1	<0.1	<0.1	<0.1	**0.4**	**0.5**
Sodium	ug/l	--	13000	49000	48000	15000	15000	12000	36000	41000
Strontium	ug/l	--	170	1900	1900	190	190	140	300	280
Thallium	ug/l	0.3[15]	<50	<50	<50	<50	<50	<50	<50	<50
Titanium	ug/l	--	<5	26	13	<5	<5	<5	10	<5
Vanadium	ug/l	6	<5	<5	<5	<5	<5	<5	<5	<5
Zinc	ug/l	30	**60**	20	10	<10	<10	<10	<10	**190**
Zirconium	ug/l	4[12]	<10	<10	<10	<10	<10	<100	<100	<100
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--	--	--
Acrolein	ug/l	0.03	--	--	--	--	--	--	--	--
Acrylonitrile	ug/l	--	--	--	--	--	--	--	--	--
Styrene	ug/l	4[15]	--	--	--	--	--	--	--	--
VOCs										

Parameter	Unit	(2) (1) PWQO	SW-5 5/17/1993	SW-5 8/31/1993	SW-5 8/31/1993 SW-5-FD (Field Duplicate)	SW-5 11/18/1993	SW-5 11/18/1993 SW-5-FD (Field Duplicate)	SW-5 5/10/1994	SW-5 9/14/1994	SW-5 12/2/1994
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	ug/l	40	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/l	5 (12)	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	ug/l	400 (12)	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	ug/l	--	--	--	--	--	--	--	--	--
Acetone	ug/l	--	--	--	--	--	--	--	--	--
Benzene	ug/l	100 (15)	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/l	200 (12)	--	--	--	--	--	--	--	--
Bromoform	ug/l	60 (12)	--	--	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (17)	--	--	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (18)	--	--	--	--	--	--	--	--
Chloroethane	ug/l	--	--	--	--	--	--	--	--	--
Chloroform	ug/l	--	--	--	--	--	--	--	--	--
Chloromethane	ug/l	700 (12)	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (12)	--	--	--	--	--	--	--	--
Ethylbenzene	ug/l	8	--	--	--	--	--	--	--	--
m,p-Xylenes	ug/l	--	--	--	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (20)	--	--	--	--	--	--	--	--
o-Xylene	ug/l	40 (15)	--	--	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (21)	--	--	--	--	--	--	--	--
Toluene	ug/l	0.8	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/l	7 (12)	--	--	--	--	--	--	--	--
Trichloroethene	ug/l	20	--	--	--	--	--	--	--	--
Trichlorofluoromethane	ug/l	--	--	--	--	--	--	--	--	--
Vinyl Chloride	ug/l	600 (12)	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-5 4/18/1995	SW-5 9/12/1995	SW-5 11/21/1995	SW-5 5/15/1996	SW-5 9/30/1996	SW-5 11/29/1996	SW-5 5/7/1997	SW-5 9/22/1997
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	300	140	230	250	260	280	240	180
Ammonia, unionized	ug/l	20	4.299	4.458	0.624	2.642	0.409	0.294	8.808	0.093
Ammonia Nitrogen	ug/l	--	3700	<100	440	900	<60	230	1200	<100
Biologic Oxygen Demand, Five Day	ug/l	--	<3000	<3000	<3000	<2000	<2000	<2000	3000	3000
Bromide	ug/l	--	<100	<100	<100	<100	140	110	150	<100
Chemical Oxygen Demand	ug/l	--	40000	29000	34000	--	47000	6000	7000	<5000
Chloride	ug/l	--	60000	23000	22000	27000	40000	210	26000	43000
Chromium (III)	ug/l	8.9(4)	--	--	--	--	--	--	--	--
Color	color unit	--	50	30	30	--	63	15	46	42
Conductivity (Field)	us/cm	--	825	370	420	500	530	370	400	570
Cyanide	ug/l	5(5)	<2	<2	<2	<5	<5	<5	<5	5
Dissolved Oxygen (Field)	mg/l	--(6)	7.1	10.1	**7**	**5.8**	--	**6.4**	**7.8**	14.6
Fluoride	ug/l	--	<100	450	<100	180	200	220	130	310
Hardness, Calcium Carbonate	ug/l	--	380000	170000	161000	270000	280000	220000	250000	220000
Nitrate	ug/l	--	<100	<100	350	<50	230	490	380	610
Nitrite	ug/l	--	<100	<100	<100	--	<100	<100	<100	<100
Nitrogen, Nitrate-Nitrite	ug/l	--	--	<200	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	3600	1100	680	1600	4000	660	2200	1300
pH (Field)	-	8.5	6.9	8.2	7.2	7.2	7.5	7.1	7.6	6.5
Phosphate	ug/l	--	<10	20	<10	<400	<300	<300	<20	<20
Phosphorus	ug/l	--(7)	30	**110**	20	<200	**340**	--	<20	<20
Sulfate	ug/l	--	22000	13000	35000	18000	42000	23000	11300	58000
Temperature (Field)	deg c	--(8)	7	16	1	10	12	2.5	10	16
Turbidity	ntu	--(9)	25	6.5	2	--	1	3.7	7.6	20
Metals										
Aluminum, Dissolved	ug/l	--(10)	**680**	**670**	**170**	<20	34	50	<20	<20
Arsenic	ug/l	100	<2	2	<5	<5	<5	<5	<5	<5
Barium	ug/l	--	95	290	29	50	40	30	40	70
Beryllium	ug/l	--(11)	<5	<5	<5	<10	<1	<0.1	<0.1	<0.1
Boron	ug/l	200(12)	**910**	**610**	**330**	<50	60	30	40	90
Cadmium	ug/l	0.2(12)	**0.5**	**1.3**	**2.3**	<0.08	<0.2	<0.08	<0.08	0.08
Calcium	ug/l	--	110000	45000	35000	72000	80000	58000	64000	60000
Chromium	ug/l	--(13)	<10	<10	<10	<20	<2	<2	<2	<2
Cobalt	ug/l	0.9	**3**	<0.4	<0.4	<3	<1	<1	<0.6	**2**
Copper	ug/l	5	**11**	**44**	**32**	<3	<2	**9**	<3	**7**
Hexavalent Chromium	ug/l	1(4)	--	--	--	--	--	--	--	--
Iron	ug/l	300	**3200**	**880**	**540**	**2800**	**610**	**330**	**1900**	**1500**
Lead	ug/l	--(14)	23	12	1	<0.6	<2	<0.6	<0.6	<0.6
Magnesium	ug/l	--	26000	15000	18000	22000	26000	19000	21000	17000
Manganese	ug/l	--	206	75	81	340	50	90	100	80
Molybdenum	ug/l	40	<10	<10	<10	<10	<4	<10	<10	<10
Nickel	ug/l	25	<10	10	<10	<4	<3	<4	<4	<4
Potassium	ug/l	--	5000	5000	3000	3400	1500	<1000	2000	5600
Silicon	ug/l	--	3500	--	--	--	--	--	--	--
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<3	<0.3	**0.26**	<0.05	**0.57**
Sodium	ug/l	--	48000	16000	16000	19000	30000	11000	18000	31000
Strontium	ug/l	--	390	230	160	190	240	140	170	220
Thallium	ug/l	0.3(15)	<50	<50	<50	<2	<20	<2	<0.3	<0.2
Titanium	ug/l	--	<5	8	<5	<10	<1	<10	<10	<10
Vanadium	ug/l	6	<5	<5	<5	<0.2	<1	<2	<2	<2
Zinc	ug/l	30	**40**	**240**	30	<10	7	24	4	<2
Zirconium	ug/l	4(12)	<100	<100	<100	<20	<1	<20	<4	<4
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--	--	--
Acrolein	ug/l	0.03	--	--	--	<100	<100	<100	<100	<100
Acrylonitrile	ug/l	--	--	--	--	<1	<1	<1	<100	<100
Styrene	ug/l	4(15)	<0.005	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
VOCs										

Parameter	Unit	(2) (1) PWQO	SW-5 4/18/1995	SW-5 9/12/1995	SW-5 11/21/1995	SW-5 5/15/1996	SW-5 9/30/1996	SW-5 11/29/1996	SW-5 5/7/1997	SW-5 9/22/1997
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	ug/l	70	<0.001	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethylene	ug/l	40	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	<5	--	<1	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.001	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	ug/l	100	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	ug/l	0.7 (12)	<0.001	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.001	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	ug/l	4	<0.001	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Metyl Ethyl Ketone	ug/l	400 (12)	--	--	--	<1	<1	<1	<5	<5
2-Chloroethyl Vinyl Ether	ug/l	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	ug/l	--	--	--	--	<1	<1	<1	<20	<20
Benzene	ug/l	100 (15)	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	ug/l	60 (12)	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	ug/l	0.9 (17)	<1	--	--	<1	<1	<1	<5	<5
Carbon Tetrachloride	ug/l	--	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	ug/l	15 (18)	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	<5	--	--	<1	<1	<1	<5	<5
Chloroform	ug/l	--	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (12)	<0.001	--	--	<1	<1	<1	<5	<5
cis-1,2-Dichloroethene	ug/l	200 (19)	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	ug/l	--	<0.005	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	ug/l	40 (12)	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/l	8	<0.001	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.001	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene Chloride	ug/l	100 (20)	0.0063	--	--	<1	<1	<1	<1	<1
o-Xylene	ug/l	40 (15)	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	ug/l	0.8	0.001	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	ug/l	7 (12)	<0.005	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	ug/l	20	<0.001	--	--	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	ug/l	--	<5	--	--	<0.5	<0.5	<0.5	<5	<5
Vinyl Chloride	ug/l	600 (12)	<0.001	--	--	<1	<1	<1	<2	<2

Parameter	Unit	[2] [1] PWQO	SW-5 12/2/1997	SW-5 5/13/1998	SW-5 9/21/1998	SW-5 11/25/1998	SW-5 4/26/1999	SW-5 9/28/1999	SW-5 9/28/1999 SW-5-FD (Field Duplicate)	SW-5 12/1/1999
General Chemistry										
Alkalinity as CaCO3	mg/l	--[3]	200	240	440	310	240	171	--	248
Ammonia, unionized	ug/l	20	0.411	9.157	1.452	0.85	9.039	0.315	--	0.335
Ammonia Nitrogen	ug/l	--	100	230	700	260	840	<50	--	<100
Biologic Oxygen Demand, Five Day	ug/l	--	<2000	3000	5000	2000	<2000	2000	--	<2000
Bromide	ug/l	--	<100	<100	110	<100	<100	<350	--	<350
Chemical Oxygen Demand	ug/l	--	<5000	25000	36000	14000	15000	52000	--	19000
Chloride	ug/l	--	23000	42000	21000	66000	23000	73600	--	23300
Chromium (III)	ug/l	8.9[4]	--	--	--	--	--	--	--	--
Color	color unit	--	16	29	50	42	25	20.4	--	25.6
Conductivity (Field)	us/cm	--	350	470	540	805	340	605	--	440
Cyanide	ug/l	5[5]	**6**	<5	<5	**6**	<5	<20	--	<20
Dissolved Oxygen (Field)	mg/l	--[6]	>15	8.6	5.6	9.5	**5.7**	9.8	--	8
Fluoride	ug/l	--	110	110	130	110	100	500	--	400
Hardness, Calcium Carbonate	ug/l	--	240000	240000	440000	320000	250000	263470	--	361860
Nitrate	ug/l	--	390	230	<100	<100	220	<350	--	900
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	--	<100
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	630	1000	1500	710	1800	800	--	900
pH (Field)	-	8.5	7.7	8.1	6.72	7.6	7.7	7.3	--	7.61
Phosphate	ug/l	--	<300	<300	<20	<20	<20	<10	--	<10
Phosphorus	ug/l	--[7]	<20	**90**	<20	90	20	**110**	<10	<20
Sulfate	ug/l	--	33000	10000	1400	26000	12000	74900	--	98600
Temperature (Field)	deg c	--[8]	0	17.5	20	0	12	17	--	0
Turbidity	ntu	--[9]	2.8	9.5	56	5.1	1.9	2.7	--	0.9
Metals										
Aluminum, Dissolved	ug/l	--[10]	40	<20	<20	90	<20	<10	--	--
Arsenic	ug/l	100	<5	<5	<5	<5	<5	<2	--	3
Barium	ug/l	--	20	70	60	50	30	66	--	32
Beryllium	ug/l	--[11]	<0.1	<1	<1	<1	<1	<1	--	<1
Boron	ug/l	200[12]	20	40	50	30	20	62	--	63
Cadmium	ug/l	0.2[12]	<0.08	<0.08	<0.08	<0.08	<0.08	<0.2	--	0.2
Calcium	ug/l	--	63000	65000	120000	85000	67000	73900	--	92100
Chromium	ug/l	--[13]	<2	4	<2	<2	<2	<5	--	<5
Cobalt	ug/l	0.9	<0.1	0.2	**19**	0.3	<0.1	0.3	--	--
Copper	ug/l	5	<3	**12**	<3	<3	<3	<0.2	--	--
Hexavalent Chromium	ug/l	1[4]	--	--	--	--	--	--	--	--
Iron	ug/l	300	160	**1700**	**890**	**820**	300	80	--	**376**
Lead	ug/l	--[14]	<0.6	<0.6	<0.6	<0.6	<0.6	<2	--	2
Magnesium	ug/l	--	20000	20000	35000	27000	21000	19200	--	32100
Manganese	ug/l	--	10	180	1000	110	30	11	--	26
Molybdenum	ug/l	40	<10	<10	<10	<10	<10	13	--	<6
Nickel	ug/l	25	<4	<4	<4	<4	<4	<10	--	<10
Potassium	ug/l	--	1600	2700	1100	2400	1300	3000	--	1000
Silicon	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	0.1	<0.05	<0.05	<0.05	<0.05	<0.2	--	0.1
Sodium	ug/l	--	13000	22000	17000	43000	16000	46300	--	17700
Strontium	ug/l	--	130	190	250	280	140	325	--	209
Thallium	ug/l	0.3[15]	<0.2	<0.2	<0.2	<0.2	<0.2	**2**	--	<2
Titanium	ug/l	--	<10	<10	<10	<10	<10	<3	--	6
Vanadium	ug/l	6	<2	<2	<2	<2	<2	**9.6**	--	--
Zinc	ug/l	30	<2	21	21	12	<2	11	--	22
Zirconium	ug/l	4[12]	<2	<2	<2	<2	<2	<3	--	--
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--	--	--
Acrolein	ug/l	0.03	<36.9	<100	--	<100	<100	<10	--	<10
Acrylonitrile	ug/l	--	<100	<100	<100	<100	<100	<5	--	<5
Styrene	ug/l	4[15]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
VOCs										

Parameter	Unit	(2) (1) PWQO	SW-5 12/2/1997	SW-5 5/13/1998	SW-5 9/21/1998	SW-5 11/25/1998	SW-5 4/26/1999	SW-5 9/28/1999	SW-5 9/28/1999 SW-5-FD (Field Duplicate)	SW-5 12/1/1999
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<1
1,1,2-Trichloroethane	ug/l	800	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,2-Dibromoethane	ug/l	5 (12)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,2-Dichloroethane	ug/l	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,2-Dichloropropane	ug/l	0.7 (12)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,4-Dichlorobenzene	ug/l	4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
Metyl Ethyl Ketone	ug/l	400 (12)	<5	<5	<5	<5	<5	<10	--	<10
2-Chloroethyl Vinyl Ether	ug/l	--	<0.5	<0.5	<0.5	<5	<5	<10	--	<10
Acetone	ug/l	--	<20	<20	<20	<20	<20	<20	--	<10
Benzene	ug/l	100 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	--	<0.2
Bromoform	ug/l	60 (12)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	--	<0.2
Bromomethane	ug/l	0.9 (17)	<5	<5	<1.3	<1.3	<1.3	<3	--	<3
Carbon Tetrachloride	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1	--	<1
Chlorobenzene	ug/l	15 (18)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
Chloroethane	ug/l	--	<5	<5	<5	<5	<5	<1	--	<1
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	--	<0.2
Chloromethane	ug/l	700 (12)	<5	<5	<5	<5	<5	<2	--	<2
cis-1,2-Dichloroethene	ug/l	200 (19)	<0.5	<0.5	<0.5	<0.5	<0.5	<1	--	<1
cis-1,3-Dichloropropene	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.14	--	<0.14
Dibromochloromethane	ug/l	40 (12)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	--	<0.2
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
Methylene Chloride	ug/l	100 (20)	<1	<1	<1	<1	<1	<1	--	<1
o-Xylene	ug/l	40 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.54
trans-1,3-Dichloropropene	ug/l	7 (12)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.14	--	<0.14
Trichloroethene	ug/l	20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5
Trichlorofluoromethane	ug/l	--	<5	<5	<5	<5	<5	<2	--	<2
Vinyl Chloride	ug/l	600 (12)	<0.86	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5

Parameter	Unit	[2] [1] PWQO	SW-5 5/30/2000	SW-5 9/25/2000	SW-5 9/25/2000 SW-5-FD (Field Duplicate)	SW-5 12/6/2000	SW-5 5/22/2001	SW-5 9/11/2001	SW-5 9/11/2001 SW-5-FD (Field Duplicate)	SW-5 11/22/2001
General Chemistry										
Alkalinity as CaCO3	mg/l	-- [3]	251	245	--	297	281	198	197	213
Ammonia, unionized	ug/l	20	0.17	0.051	--	0.051	1.376	0.25	--	0.01
Ammonia Nitrogen	ug/l	--	20	50	50	140	110	<20	20	20
Biologic Oxygen Demand, Five Day	ug/l	--	1000	<1000	<1000	<1000	8000	3000	4000	<1000
Bromide	ug/l	--	<50	<50	<50	<50	<50	<50	<50	<50
Chemical Oxygen Demand	ug/l	--	5000	38000	46000	19000	43000	42000	42000	21000
Chloride	ug/l	--	35000	58000	55000	34000	57000	60000	60000	55000
Chromium (III)	ug/l	8.9 [4]	<10	<10	<10	<10	<1	<1	<1	<4
Color	color unit	--	31	55	52	16	37	48	47	44
Conductivity (Field)	us/cm	--	520	655	--	1010	490	450	--	650
Cyanide	ug/l	5 [5]	<20	<20	<20	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	6.6	**5.91**	--	**4.34**	**4.8**	**3.5**	--	6.32
Fluoride	ug/l	--	140	150	160	110	140	320	330	560
Hardness, Calcium Carbonate	ug/l	--	267000	276000	285000	368000	283000	199000	201000	355000
Nitrate	ug/l	--	<100	<100	<100	160	1690	<100	<100	190
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100	<100
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	340	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	360	880	810	540	1490	1230	1150	730
pH (Field)	-	8.5	7.4	6.7	--	6.57	7.8	7.6	--	6.67
Phosphate	ug/l	--	<10	<30	<30	<30	<30	<30	<30	<30
Phosphorus	ug/l	-- [7]	20	20	20	30	**90**	**40**	**40**	30
Sulfate	ug/l	--	20000	39000	40000	40000	14000	12000	12000	151000
Temperature (Field)	deg c	-- [8]	18	11.3	--	2.1	11	17	--	5
Turbidity	ntu	-- [9]	0.7	5.1	4	2.5	26	7.9	9.7	3.9
Metals										
Aluminum, Dissolved	ug/l	-- [10]	<50	<50	<50	<50	<50	<50	<50	<50
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	30	40	40	40	100	60	60	40
Beryllium	ug/l	-- [11]	<2	<2	<2	<2	<2	<2	<2	<2
Boron	ug/l	200 [12]	30	50	50	30	50	50	60	<50
Cadmium	ug/l	0.2 [12]	<0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	69000	74000	73000	96000	72000	40000	41000	91000
Chromium	ug/l	-- [13]	<10	<10	<10	<10	<1	1	1	4
Cobalt	ug/l	0.9	0.9	0.2	0.2	0.3	0.5	<0.2	<0.2	0.5
Copper	ug/l	5	<10	<1	<1	1	1	<1	<1	4
Hexavalent Chromium	ug/l	1 [4]	<10	<10	<10	<10	<1	<1	<1	<4
Iron	ug/l	300	180	**870**	**540**	**330**	**2760**	**830**	**940**	**660**
Lead	ug/l	-- [14]	<1	<1	<1	<1	<1	<1	<1	<1
Magnesium	ug/l	--	23000	22000	25000	31000	25000	24000	24000	31000
Manganese	ug/l	--	30	70	70	130	1000	70	70	70
Molybdenum	ug/l	40	<10	<10	<10	<10	<10	<10	<10	<10
Nickel	ug/l	25	<10	<10	<10	<10	<10	<10	<10	<10
Potassium	ug/l	--	<1000	2000	2000	2000	3000	6000	6000	2000
Silicon	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	24000	31000	31000	23000	44000	37000	37000	38000
Strontium	ug/l	--	184	263	264	248	208	279	285	371
Thallium	ug/l	0.3 [15]	<1	<1	<1	<1	<1	<1	<1	<1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<2	<1	<1	1	<1	<1	<1	1
Zinc	ug/l	30	<10	<10	<10	<10	**50**	<10	<10	<10
Zirconium	ug/l	4 [12]	<4	<10	<10	<10	4	1	1	2
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	<20	<20	<20	--	--	--	--	--
Acrolein	ug/l	0.03	--	--	--	--	--	--	--	--
Acrylonitrile	ug/l	--	--	--	--	--	--	--	--	--
Styrene	ug/l	4 [15]	<0.5	<0.5	<0.5	<0.5	--	--	--	--
VOCs										

Parameter	Unit	(2) (1) PWQO	SW-5 5/30/2000	SW-5 9/25/2000	SW-5 9/25/2000 SW-5-FD (Field Duplicate)	SW-5 12/6/2000	SW-5 5/22/2001	SW-5 9/11/2001	SW-5 9/11/2001 SW-5-FD (Field Duplicate)	SW-5 11/22/2001
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	<0.6	<0.6	<0.6	<0.6	--	--	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	<0.4	<0.4	<0.4	<0.4	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
1,1,2-Trichloroethane	ug/l	800	<0.4	<0.4	<0.4	<0.4	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	<1	<1	<1	<1	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<1	<1	<1	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.7	<0.7	<0.7	<0.7	--	--	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	<0.7	<0.7	<0.7	<0.7	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	<0.3	<0.3	<0.3	<0.3	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	<1	<1	<1	<0.4	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<1	<1	<1	<0.4	<0.4	<0.4	<0.4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<20	<20	<20	--	<20	<20	<20	<20
2-Chloroethyl Vinyl Ether	ug/l	--	--	--	--	--	--	--	--	--
Acetone	ug/l	--	<100	<100	<100	--	<100	<100	<100	<100
Benzene	ug/l	100 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (12)	<0.4	<0.4	<0.4	<0.4	--	--	--	--
Bromomethane	ug/l	0.9 (17)	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Carbon Tetrachloride	ug/l	--	<0.9	<0.9	<0.9	<0.9	--	--	--	--
Chlorobenzene	ug/l	15 (18)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	1	1.1	<0.5
Chloromethane	ug/l	700 (12)	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.2	<0.2	<0.2	<0.2	--	--	--	--
Dibromochloromethane	ug/l	40 (12)	<0.3	<0.3	<0.3	<0.3	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1
Methylene Chloride	ug/l	100 (20)	<4	4.5	<4	<4	<4	<4	<4	<4
o-Xylene	ug/l	40 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	<0.2	<0.2	<0.2	<0.2	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameter	Unit	[2] [1] PWQO	SW-5 11/22/2001 SW-5-FD (Field Duplicate)
General Chemistry			
Alkalinity as CaCO3	mg/l	-- [3]	211
Ammonia, unionized	ug/l	20	--
Ammonia Nitrogen	ug/l	--	20
Biologic Oxygen Demand, Five Day	ug/l	--	<1000
Bromide	ug/l	--	<50
Chemical Oxygen Demand	ug/l	--	17000
Chloride	ug/l	--	56000
Chromium (III)	ug/l	8.9 [4]	<4
Color	color unit	--	42
Conductivity (Field)	us/cm	--	--
Cyanide	ug/l	5 [5]	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	--
Fluoride	ug/l	--	640
Hardness, Calcium Carbonate	ug/l	--	348000
Nitrate	ug/l	--	<100
Nitrite	ug/l	--	<100
Nitrogen, Nitrate-Nitrite	ug/l	--	--
Nitrogen, Organic	ug/l	--	--
Nitrogen, Total Kjeldahl	ug/l	--	640
pH (Field)	-	8.5	--
Phosphate	ug/l	--	<30
Phosphorus	ug/l	-- [7]	30
Sulfate	ug/l	--	149000
Temperature (Field)	deg c	-- [8]	--
Turbidity	ntu	-- [9]	1.6
Metals			
Aluminum, Dissolved	ug/l	-- [10]	<50
Arsenic	ug/l	100	<1
Barium	ug/l	--	40
Beryllium	ug/l	-- [11]	<2
Boron	ug/l	200 [12]	<50
Cadmium	ug/l	0.2 [12]	<0.1
Calcium	ug/l	--	88000
Chromium	ug/l	-- [13]	4
Cobalt	ug/l	0.9	0.5
Copper	ug/l	5	4
Hexavalent Chromium	ug/l	1 [4]	<4
Iron	ug/l	300	**690**
Lead	ug/l	-- [14]	<1
Magnesium	ug/l	--	31000
Manganese	ug/l	--	70
Molybdenum	ug/l	40	<10
Nickel	ug/l	25	<10
Potassium	ug/l	--	2000
Silicon	ug/l	--	--
Silver	ug/l	0.1	<0.1
Sodium	ug/l	--	40000
Strontium	ug/l	--	372
Thallium	ug/l	0.3 [15]	<1
Titanium	ug/l	--	<10
Vanadium	ug/l	6	1
Zinc	ug/l	30	<10
Zirconium	ug/l	4 [12]	2
Semi-VOCs			
Methyl Isobutyl Ketone	ug/l	--	--
Acrolein	ug/l	0.03	--
Acrylonitrile	ug/l	--	--
Styrene	ug/l	4 [15]	--
VOCs			

Parameter	Unit	[2] [1] PWQO	SW-5 11/22/2001 SW-5-FD (Field Duplicate)
1,1,1,2-Tetrachloroethane	ug/l	20 [12]	--
1,1,1-Trichloroethane	ug/l	10 [16]	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6
1,1,2-Trichloroethane	ug/l	800	--
1,1-Dichloroethane	ug/l	200	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5
1,2-Dibromoethane	ug/l	5 [12]	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4
1,2-Dichloroethane	ug/l	100	--
1,2-Dichloropropane	ug/l	0.7 [12]	--
1,3,5-Trimethylbenzene	ug/l	--	--
1,3-Dichlorobenzene	ug/l	2.5	--
1,4-Dichlorobenzene	ug/l	4	<0.4
Metyl Ethyl Ketone	ug/l	400 [12]	<20
2-Chloroethyl Vinyl Ether	ug/l	--	--
Acetone	ug/l	--	<100
Benzene	ug/l	100 [15]	<0.5
Bromodichloromethane	ug/l	200 [12]	<0.3
Bromoform	ug/l	60 [12]	--
Bromomethane	ug/l	0.9 [17]	--
Carbon Tetrachloride	ug/l	--	--
Chlorobenzene	ug/l	15 [18]	<0.2
Chloroethane	ug/l	--	<1
Chloroform	ug/l	--	<0.5
Chloromethane	ug/l	700 [12]	<1
cis-1,2-Dichloroethene	ug/l	200 [19]	<0.4
cis-1,3-Dichloropropene	ug/l	--	--
Dibromochloromethane	ug/l	40 [12]	--
Ethylbenzene	ug/l	8	<0.5
m,p-Xylenes	ug/l	--	<1
Methylene Chloride	ug/l	100 [20]	<4
o-Xylene	ug/l	40 [15]	<0.5
Tetrachloroethylene	ug/l	50 [21]	<0.3
Toluene	ug/l	0.8	<0.5
trans-1,2-Dichloroethene	ug/l	200 [19]	<0.4
trans-1,3-Dichloropropene	ug/l	7 [12]	--
Trichloroethene	ug/l	20	<0.3
Trichlorofluoromethane	ug/l	--	<0.5
Vinyl Chloride	ug/l	600 [12]	<0.5

Parameter	Unit	(2) (1) PWQO	SW-6 5/17/1993	SW-6 11/18/1993	SW-6 5/10/1994	SW-6 4/18/1995	SW-6 11/21/1995	SW-6 5/15/1996	SW-6 9/30/1996	SW-6 11/29/1996
General Chemistry										
Alkalinity as CaCO3	mg/l	-- (3)	360	260	240	300	510	210	710	270
Ammonia, unionized	ug/l	20	9.639	2.506	1.795	2.925	0.405	3.175	0.343	0.235
Ammonia Nitrogen	ug/l	--	5000	1600	610	2000	2800	400	5400	360
Biologic Oxygen Demand, Five Day	ug/l	--	3900	<3000	<3000	<3000	<3000	<2000	3500	22000
Bromide	ug/l	--	<100	<100	120	140	110	<100	200	120
Chemical Oxygen Demand	ug/l	--	<5000	17000	22000	32000	41000	--	65000	95000
Chloride	ug/l	--	47000	21000	22000	30000	38000	19000	93000	28000
Color	color unit	--	250	70	80	130	80	--	65	42
Conductivity (Field)	us/cm	--	850	675	445	675	800	400	1300	400
Cyanide	ug/l	5 (5)	<2	<2	<2	<2	<2	<5	<5	**6**
Dissolved Oxygen (Field)	mg/l	-- (6)	**2.2**	9	**5.6**	**5.1**	**7.1**	6.8	6.8	9
Fluoride	ug/l	--	<100	150	<100	<100	<100	140	160	240
Hardness, Calcium Carbonate	ug/l	--	320000	280000	270000	340000	360000	226000	690000	340000
Nitrate	ug/l	--	100	<100	<100	<100	120	<50	220	320
Nitrite	ug/l	--	<100	<100	<100	<100	<1000	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	5100	1500	1000	1800	4700	890	7000	5900
pH (Field)	-	8.5	7	7.1	7.1	7	6.1	7.5	5.5	6.9
Phosphate	ug/l	--	310	<10	<10	<10	<10	<400	<300	<300
Phosphorus	ug/l	-- (7)	**370**	20	**50**	10	**70**	<1000	**700**	**1500**
Sulfate	ug/l	--	10000	14000	10000	12000	31000	20000	92000	14000
Temperature (Field)	deg c	-- (8)	10.5	5	13	7	4	14	11	0
Turbidity	ntu	-- (9)	47	10	9	55	20	--	23	330
Metals										
Aluminum, Dissolved	ug/l	-- (10)	**390**	<50	<50	**560**	**370**	<20	**120**	**3300**
Arsenic	ug/l	100	0.7	<2	<2	<2	<5	<5	<5	<5
Barium	ug/l	--	190	100	80	120	110	60	370	290
Beryllium	ug/l	-- (11)	<5	<5	<5	<5	<5	<10	<1	<0.1
Boron	ug/l	200 (12)	**380**	<50	<50	**540**	**770**	<50	**320**	80
Cadmium	ug/l	0.2 (12)	**0.3**	0.2	**0.23**	**0.6**	**2.2**	<0.08	**0.5**	<0.08
Calcium	ug/l	--	90000	72000	71000	98000	100000	61000	210000	89000
Chromium	ug/l	-- (13)	10	<10	<10	<10	<10	<20	<2	5
Cobalt	ug/l	0.9	<0.4	0.5	<0.4	**36**	**22**	<3	**4**	**4**
Copper	ug/l	5	**14**	<1	<1	**11**	**42**	<3	<2	**24**
Iron	ug/l	300	**9000**	**2400**	**2900**	**11000**	**4400**	**1000**	**24000**	**27000**
Lead	ug/l	-- (14)	4	<1	<1	20	21	<0.6	<2	<0.6
Magnesium	ug/l	--	24000	24000	22000	24000	27000	18000	53000	28000
Manganese	ug/l	--	750	290	410	520	620	150	1500	950
Molybdenum	ug/l	40	<10	<10	<300	<10	<10	<20	<4	<10
Nickel	ug/l	25	20	<10	<10	<10	<10	<4	6	8
Potassium	ug/l	--	6000	3000	<2000	4000	6200	<1000	13000	3900
Silicon	ug/l	--	--	--	--	2800	--	--	--	--
Silver	ug/l	0.1	**0.8**	<0.1	<0.1	<0.1	<0.1	<3	<0.3	**0.27**
Sodium	ug/l	--	17000	10000	8900	20000	24000	8800	55000	14000
Strontium	ug/l	--	270	170	140	220	310	120	830	210
Thallium	ug/l	0.3 (15)	<50	<50	<50	<50	<50	<2	<20	<2
Titanium	ug/l	--	<5	<5	<5	8	<5	<10	<1	160
Vanadium	ug/l	6	<5	<5	<5	<5	<5	<2	<1	**11**
Zinc	ug/l	30	**40**	10	<10	30	30	<10	23	**110**
Zirconium	ug/l	4 (12)	<10	<10	<100	<100	<100	<10	<1	<20

Parameter	Unit	[2] [1] PWQO	SW-7 5/17/1993	SW-7 5/17/1993 SW-7-FD (Field Duplicate)	SW-7 8/31/1993	SW-7 11/18/1993	SW-7 5/10/1994	SW-7 9/14/1994	SW-7 12/2/1994	SW-7 4/18/1995
General Chemistry										
Alkalinity as CaCO3	mg/l	-- [3]	160	150	120	170	150	160	140	180
Ammonia, unionized	ug/l	20	1.477	--	3.228	0.058	2.866	1.343	2.028	2.116
Ammonia Nitrogen	ug/l	--	<100	<1000	<100	<100	<100	<100	<100	<100
Biologic Oxygen Demand, Five Day	ug/l	--	3200	<3000	<3000	<3000	7000	<3000	<3000	<3000
Bromide	ug/l	--	<100	<100	<100	<100	<100	<100	<100	<100
Chemical Oxygen Demand	ug/l	--	37000	33000	27000	14000	31000	6000	23000	20000
Chloride	ug/l	--	6200	6300	6600	6900	7000	3700	5100	4900
Color	color unit	--	35	30	25	25	20	20	25	5
Conductivity (Field)	us/cm	--	320	320	230	330	300	240	290	345
Cyanide	ug/l	5 [5]	<2	<2	<2	<2	2	<2	<2	<2
Dissolved Oxygen (Field)	mg/l	-- [6]	8.2	8.2	5	8.8	10.1	7.7	13.2	10.4
Fluoride	ug/l	--	<100	<100	<100	110	<100	<100	210	<100
Hardness, Calcium Carbonate	ug/l	--	160000	190000	<1000	200000	200000	150000	160000	220000
Nitrate	ug/l	--	<100	<100	<100	<100	<100	110	260	<100
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100	<100
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	370	660	730	470	250	350	<100	150
pH (Field)	-	8.5	6.8	6.8	7.8	6.7	8.1	7.6	8.4	8.1
Phosphate	ug/l	--	20	10	<10	<10	<10	80	<10	--
Phosphorus	ug/l	-- [7]	**60**	**50**	20	30	**80**	20	**70**	<10
Sulfate	ug/l	--	11000	11000	8800	16000	10000	4300	10000	12000
Temperature (Field)	deg c	-- [8]	13	13	24	4	13	18	0	9
Turbidity	ntu	-- [9]	10	9	2.5	4.5	4	2	11	3
Metals										
Aluminum, Dissolved	ug/l	-- [10]	**920**	**1000**	<50	**100**	<50	**470**	**1400**	**560**
Arsenic	ug/l	100	<0.5	<0.5	<2	<2	<2	<2	<2	<2
Barium	ug/l	--	30	30	<5	30	20	20	460	33
Beryllium	ug/l	-- [11]	<5	<5	<5	<5	<5	<5	<5	<5
Boron	ug/l	200 [12]	**350**	**230**	<50	<50	<50	**510**	190	**630**
Cadmium	ug/l	0.2 [12]	<0.15	<0.15	<0.15	0.19	**0.91**	**1.5**	**0.3**	**0.4**
Calcium	ug/l	--	41000	47000	<100	44000	51000	28000	36000	59000
Chromium	ug/l	-- [13]	190	20	<10	<10	<10	<10	<10	<10
Cobalt	ug/l	0.9	**1.5**	<0.4	**13**	**1**	<0.4	<0.4	**3**	<0.4
Copper	ug/l	5	**19**	**18**	<0.1	<1	<1	<1	**63**	**14**
Hexavalent Chromium	ug/l	1 [4]	--	--	--	--	--	--	--	--
Iron	ug/l	300	**1400**	**850**	<50	**310**	300	**520**	**1200**	250
Lead	ug/l	-- [14]	2	1	<0.1	<1	<1	6	11	12
Magnesium	ug/l	--	15000	17000	<300	20000	18000	18000	17000	17000
Manganese	ug/l	--	80	80	<5	70	140	110	59	64
Molybdenum	ug/l	40	<10	<10	<5	<10	<300	<300	<300	<10
Nickel	ug/l	25	**150**	10	<10	<10	<10	10	<10	<10
Potassium	ug/l	--	<2000	2000	<2000	<2000	<2000	<2000	2400	<2000
Silicon	ug/l	--	--	--	--	--	--	--	--	360
Silver	ug/l	0.1	<0.1	**0.2**	<0.1	<0.1	<0.1	**0.2**	**1.5**	<0.1
Sodium	ug/l	--	5000	5000	<2000	4000	3800	5500	7200	6000
Strontium	ug/l	--	70	70	<10	80	60	80	100	91
Thallium	ug/l	0.3 [15]	<50	<50	<50	<50	<50	<50	<50	<50
Titanium	ug/l	--	30	30	<50	8	<5	6	71	<5
Vanadium	ug/l	6	<5	<5	<5	<5	<5	<5	<5	<5
Zinc	ug/l	30	**40**	**80**	<10	10	<10	<10	**150**	20
Zirconium	ug/l	4 [12]	<10	<10	<10	<10	<100	<100	<100	<100

Parameter	Unit	(2) (1) PWQO	SW-7 9/12/1995	SW-7 11/21/1995	SW-7 5/15/1996	SW-7 9/30/1996	SW-7 11/29/1996	SW-7 5/7/1997	SW-7 9/22/1997	SW-7 12/2/1997
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	130	160	115	160	180	160	130	150
Ammonia, unionized	ug/l	20	5.954	1.116	0.943	0.14	0.539	2.97	0.01	0.707
Ammonia Nitrogen	ug/l	--	<100	<100	<60	<60	100	<100	<100	<100
Biologic Oxygen Demand, Five Day	ug/l	--	<3000	<3000	<2000	<2000	2700	2300	2000	<2000
Bromide	ug/l	--	<100	<100	<100	<100	<100	--	--	--
Chemical Oxygen Demand	ug/l	--	66000	22000	--	28000	13000	17000	8000	<5000
Chloride	ug/l	--	5300	4600	5100	5100	4700	4300	5400	4400
Color	color unit	--	30	15	--	14	10	8.2	19	9.1
Conductivity (Field)	us/cm	--	265	230	300	260	230	270	280	240
Cyanide	ug/l	5(5)	<2	<2	<5	<5	**6**	--	--	--
Dissolved Oxygen (Field)	mg/l	--(6)	11.2	13.5	9	8.8	11.6	9.2	9.6	13
Fluoride	ug/l	--	<100	<100	120	130	170	--	--	--
Hardness, Calcium Carbonate	ug/l	--	160000	149000	186000	160000	180000	180000	120000	170000
Nitrate	ug/l	--	<100	130	<50	220	<50	--	--	--
Nitrite	ug/l	--	<100	<100	<100	<100	<100	--	--	--
Nitrogen, Nitrate-Nitrite	ug/l	--	<200	--	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	900	100	240	470	620	540	1100	600
pH (Field)	-	8.5	8.3	8.1	7.8	7	7.8	8.2	5.5	7.9
Phosphate	ug/l	--	20	<10	<400	<300	<300	--	--	--
Phosphorus	ug/l	--(7)	**100**	20	<1000	**260**	<20	--	--	--
Sulfate	ug/l	--	8100	15000	10000	7400	11000	--	--	--
Temperature (Field)	deg c	--(8)	17	1	14	13	0.5	10.5	17	1
Turbidity	ntu	--(9)	6	2.5	--	2.4	0.64	2.5	7.8	6.1
Metals										
Aluminum, Dissolved	ug/l	--(10)	**740**	**970**	<20	49	30	--	--	--
Arsenic	ug/l	100	<2	<5	<5	<5	<5	--	--	--
Barium	ug/l	--	290	26	30	24	20	--	--	--
Beryllium	ug/l	--(11)	<5	<5	<10	<1	<0.1	--	--	--
Boron	ug/l	200(12)	**600**	**390**	<50	17	20	<10	40	<50
Cadmium	ug/l	0.2(12)	**2.8**	**1.6**	<0.08	<0.2	<0.08	--	--	--
Calcium	ug/l	--	31000	35000	48000	35000	42000	47000	25000	41000
Chromium	ug/l	--(13)	20	<10	<20	<2	<2	--	--	--
Cobalt	ug/l	0.9	<0.4	<0.4	<3	<1	<1	--	--	--
Copper	ug/l	5	**47**	**47**	<3	<2	**9**	--	--	--
Hexavalent Chromium	ug/l	1(4)	--	--	--	--	--	--	--	--
Iron	ug/l	300	**1000**	250	150	210	160	--	--	--
Lead	ug/l	--(14)	7.5	<1	<0.6	<1	<0.6	--	--	--
Magnesium	ug/l	--	19000	15000	16000	19000	17000	16000	15000	17000
Manganese	ug/l	--	230	24	80	65	40	--	--	--
Molybdenum	ug/l	40	<10	<10	<20	<4	<10	--	--	--
Nickel	ug/l	25	<10	<10	<4	<3	<4	--	--	--
Potassium	ug/l	--	<2000	2600	<1000	580	<1000	<1000	1500	1300
Silicon	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	<0.1	<0.1	<3	<0.3	<0.03	--	--	--
Sodium	ug/l	--	7000	5000	3300	3900	3300	2900	3000	3100
Strontium	ug/l	--	80	80	60	80	70	60	50	80
Thallium	ug/l	0.3(15)	<50	<50	<2	<20	<2	--	--	--
Titanium	ug/l	--	14	<5	<10	<1	<10	--	--	--
Vanadium	ug/l	6	<5	<5	<2	<1	<2	--	--	--
Zinc	ug/l	30	**310**	**50**	<10	3	**41**	--	--	--
Zirconium	ug/l	4(12)	<100	<100	<10	<1	<20	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-7 5/13/1998	SW-7 9/22/1998	SW-7 11/25/1998	SW-7 4/27/1999	SW-7 9/29/1999	SW-7 11/25/1999	SW-7 5/30/2000	SW-7 9/27/2000
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	160	160	180	180	124	153	141	141
Ammonia, unionized	ug/l	20	23.271	0.357	0.707	0.343	1.354	0.429	5.057	0.141
Ammonia Nitrogen	ug/l	--	<100	<100	<100	<100	250	<100	<20	<20
Biologic Oxygen Demand, Five Day	ug/l	--	3000	4000	<2000	3000	11000	5000	3000	2000
Bromide	ug/l	--	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	6000	29000	13000	11000	85000	27000	49000	35000
Chloride	ug/l	--	5500	4900	4300	5000	4990	4420	4000	4000
Color	color unit	--	8	13	14	13	65.7	7	16	7
Conductivity (Field)	us/cm	--	480	210	270	225	190	270	250	374
Cyanide	ug/l	5(5)	--	--	--	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	--(6)	--	7.6	13	8	8.4	11.7	13.8	8.97
Fluoride	ug/l	--	--	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	160000	180000	180000	190000	108580	176310	147000	132000
Nitrate	ug/l	--	--	--	--	--	--	--	--	--
Nitrite	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	<570	--
Nitrogen, Total Kjeldahl	ug/l	--	500	650	850	510	4400	1100	570	670
pH (Field)	-	8.5	**8.9**	7.02	7.9	7.2	7.3	7.4	**8.9**	7.4
Phosphate	ug/l	--	--	--	--	--	--	--	--	--
Phosphorus	ug/l	--(7)	--	--	--	--	--	--	--	--
Sulfate	ug/l	--	--	--	--	--	--	--	--	--
Temperature (Field)	deg c	--(8)	19.5	18	1	12	15	9	21	15.5
Turbidity	ntu	--(9)	3.7	1.9	3.4	4	42.5	4.5	5.8	4.5
Metals										
Aluminum, Dissolved	ug/l	--(10)	--	--	--	--	--	--	--	--
Arsenic	ug/l	100	--	--	--	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--	--	--	--
Beryllium	ug/l	--(11)	--	--	--	--	--	--	--	--
Boron	ug/l	200(12)	20	<50	<10	<10	11	14	20	10
Cadmium	ug/l	0.2(12)	--	--	--	--	--	--	--	--
Calcium	ug/l	--	41000	39000	44000	49000	20800	39200	31000	28000
Chromium	ug/l	--(13)	--	--	--	--	--	--	--	--
Cobalt	ug/l	0.9	--	--	--	--	--	--	--	--
Copper	ug/l	5	--	--	--	--	--	--	--	--
Hexavalent Chromium	ug/l	1(4)	--	--	--	--	--	--	--	--
Iron	ug/l	300	--	--	--	--	**919**	**593**	--	--
Lead	ug/l	--(14)	--	--	--	--	--	--	--	--
Magnesium	ug/l	--	15000	19000	18000	17000	13800	19100	17000	15000
Manganese	ug/l	--	--	--	--	--	--	--	--	--
Molybdenum	ug/l	40	--	--	--	--	--	--	--	--
Nickel	ug/l	25	--	--	--	--	--	--	--	--
Potassium	ug/l	--	1400	<1000	1600	1000	2000	<1000	<1000	<1000
Silicon	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	--	--	--	--	--	--	--	--
Sodium	ug/l	--	3400	3100	3000	3400	2830	2960	4000	3000
Strontium	ug/l	--	60	80	90	80	52	93	139	69
Thallium	ug/l	0.3(15)	--	--	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--	--	--
Vanadium	ug/l	6	--	--	--	--	--	--	--	--
Zinc	ug/l	30	--	--	--	--	--	--	--	--
Zirconium	ug/l	4(12)	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW-7 12/6/2000	SW-7 5/22/2001	SW-7 5/22/2001 SW-7-FD (Field Duplicate)	SW-7 9/11/2001	SW-7 11/23/2001
General Chemistry							
Alkalinity as CaCO3	mg/l	-- [3]	187	158	158	122	159
Ammonia, unionized	ug/l	20	0.111	0.273	--	7.038	0.107
Ammonia Nitrogen	ug/l	--	70	40	40	40	20
Biologic Oxygen Demand, Five Day	ug/l	--	3000	6000	6000	3000	<1000
Bromide	ug/l	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	8000	13000	19000	16000	<5000
Chloride	ug/l	--	6000	6000	6000	5000	6000
Color	color unit	--	8	10	10	15	9
Conductivity (Field)	us/cm	--	559	310	--	960	330
Cyanide	ug/l	5 [5]	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	-- [6]	9.66	8.2	--	**4.8**	8.65
Fluoride	ug/l	--	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	193000	139000	148000	106000	168000
Nitrate	ug/l	--	--	--	--	--	--
Nitrite	ug/l	--	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--	--
Nitrogen, Organic	ug/l	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	650	1120	1270	880	580
pH (Field)	-	8.5	7.24	7.5	--	**8.7**	7.6
Phosphate	ug/l	--	--	--	--	--	--
Phosphorus	ug/l	-- [7]	--	--	--	--	--
Sulfate	ug/l	--	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	1.2	12	--	21	6
Turbidity	ntu	-- [9]	4.3	15	19	3.1	2.4
Metals							
Aluminum, Dissolved	ug/l	-- [10]	--	--	--	--	--
Arsenic	ug/l	100	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--
Beryllium	ug/l	-- [11]	--	--	--	--	--
Boron	ug/l	200 [12]	<10	<10	<10	<10	<50
Cadmium	ug/l	0.2 [12]	--	--	--	--	--
Calcium	ug/l	--	46000	31000	33000	16000	36000
Chromium	ug/l	-- [13]	--	--	--	--	--
Cobalt	ug/l	0.9	--	--	--	--	--
Copper	ug/l	5	--	--	--	--	--
Hexavalent Chromium	ug/l	1 [4]	--	--	--	--	<50
Iron	ug/l	300	--	--	--	--	--
Lead	ug/l	-- [14]	--	--	--	--	--
Magnesium	ug/l	--	19000	15000	16000	16000	19000
Manganese	ug/l	--	--	--	--	--	--
Molybdenum	ug/l	40	--	--	--	--	--
Nickel	ug/l	25	--	--	--	--	--
Potassium	ug/l	--	1000	<1000	<1000	<1000	<1000
Silicon	ug/l	--	--	--	--	--	--
Silver	ug/l	0.1	--	--	--	--	--
Sodium	ug/l	--	4000	10000	9000	13000	4000
Strontium	ug/l	--	98	66	76	56	87
Thallium	ug/l	0.3 [15]	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--
Vanadium	ug/l	6	--	--	--	--	--
Zinc	ug/l	30	--	--	--	--	--
Zirconium	ug/l	4 [12]	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-8 5/17/1993	SW-8 8/31/1993	SW-8 11/18/1993	SW-8 5/10/1994	SW-8 9/14/1994	SW-8 12/2/1994	SW-8 4/18/1995	SW-8 9/12/1995
General Chemistry										
Alkalinity as CaCO3	mg/l	-- (3)	250	220	270	220	200	170	230	140
Ammonia, unionized	ug/l	20	0.132	6.034	0.229	0.522	2.459	1.116	2.445	1.963
Ammonia Nitrogen	ug/l	--	<100	<100	<100	<100	<100	<100	310	<100
Biologic Oxygen Demand, Five Day	ug/l	--	<3000	<3000	<3000	<3000	<3000	3000	<3000	<3000
Bromide	ug/l	--	<100	170	<100	<100	<100	<100	<100	<100
Chemical Oxygen Demand	ug/l	--	13000	35000	27000	31000	26000	32000	31000	29000
Chloride	ug/l	--	31000	49000	37000	30000	26000	34000	23000	24000
Color	color unit	--	70	35	35	50	50	50	25	35
Conductivity (Field)	us/cm	--	575	700	750	465	480	525	700	380
Cyanide	ug/l	5 (5)	<2	<2	<2	<2	<2	<2	<2	<2
Dissolved Oxygen (Field)	mg/l	-- (6)	7.4	10.3	**6.6**	6.5	5.7	11.6	11.3	9.5
Fluoride	ug/l	--	<100	190	140	<100	150	210	<100	450
Hardness, Calcium Carbonate	ug/l	--	240000	310000	340000	260000	230000	200000	310000	160000
Nitrate	ug/l	--	150	130	290	<100	<100	220	<100	<100
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100	<100
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--	--	--	--	<200
Nitrogen, Total Kjeldahl	ug/l	--	1100	630	520	230	870	440	870	1200
pH (Field)	-	8.5	6.7	8.1	7.3	7.4	7.9	8.1	7.7	7.8
Phosphate	ug/l	--	20	<10	<10	50	<10	<10	<10	20
Phosphorus	ug/l	-- (7)	**60**	20	**40**	20	20	**70**	**70**	**90**
Sulfate	ug/l	--	11000	48000	42000	11000	6700	22000	22000	12000
Temperature (Field)	deg c	-- (8)	14.5	23.5	4	11.5	17	1	8	17
Turbidity	ntu	-- (9)	12	2.5	2	4	7.5	7	7.5	9.5
Metals										
Aluminum, Dissolved	ug/l	-- (10)	**820**	**110**	<50	80	**1150**	**910**	**910**	**1000**
Arsenic	ug/l	100	<0.5	<2	<2	3	<2	<2	<2	<2
Barium	ug/l	--	53	90	60	40	60	440	63	280
Beryllium	ug/l	-- (11)	<5	<5	<5	<5	<5	<5	<5	<5
Boron	ug/l	200 (12)	**360**	180	60	50	**600**	**930**	**740**	**1000**
Cadmium	ug/l	0.2 (12)	<0.15	<0.15	<0.15	**0.53**	**1.7**	**0.4**	**0.5**	<0.2
Calcium	ug/l	--	61000	22000	89000	67000	51000	49000	90000	41000
Chromium	ug/l	-- (13)	2200	<10	<10	<10	<10	<10	<10	<10
Cobalt	ug/l	0.9	**4**	<3.5	0.5	<0.4	0.5	**2**	**9**	<0.4
Copper	ug/l	5	**18**	<0.1	<1	<1	**18**	**43**	**10**	**44**
Hexavalent Chromium	ug/l	1 (4)	--	--	--	--	--	--	--	--
Iron	ug/l	300	**1200**	250	**340**	**780**	**1500**	**710**	**1000**	**1200**
Lead	ug/l	-- (14)	25	7	<1	<1	12	21	20	9
Magnesium	ug/l	--	21000	31000	28000	22000	25000	18000	20000	14000
Manganese	ug/l	--	79	31	50	70	90	41	85	69
Molybdenum	ug/l	40	<10	<5	<10	<300	<300	<300	<10	<10
Nickel	ug/l	25	**8800**	<10	<10	<10	20	<10	<10	<10
Potassium	ug/l	--	2400	5400	3000	<2000	4700	5800	3000	4000
Silicon	ug/l	--	--	--	--	--	--	--	3200	--
Silver	ug/l	0.1	**0.4**	<0.1	<0.1	<0.1	**0.4**	**0.5**	<0.1	<0.1
Sodium	ug/l	--	13000	32000	17000	14000	28000	27000	40000	15000
Strontium	ug/l	--	230	900	220	160	260	230	260	210
Thallium	ug/l	0.3 (15)	<50	<50	<50	<50	<50	<50	<50	<50
Titanium	ug/l	--	24	<5	<5	<5	50	16	19	24
Vanadium	ug/l	6	<5	<5	<5	<5	<5	<5	<5	<5
Zinc	ug/l	30	**70**	<10	<10	<10	20	**130**	30	**210**
Zirconium	ug/l	4 (12)	<10	<10	<10	<100	<100	<100	<100	<100
Semi-VOCs										
Acrolein	ug/l	0.03	--	--	--	--	--	--	--	--
Acrylonitrile	ug/l	--	--	--	--	--	--	--	--	--
Styrene	ug/l	4 (15)	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-8 5/17/1993	SW-8 8/31/1993	SW-8 11/18/1993	SW-8 5/10/1994	SW-8 9/14/1994	SW-8 12/2/1994	SW-8 4/18/1995	SW-8 9/12/1995
VOCs										
1,1,1-Trichloroethane	ug/l	10 (16)	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	ug/l	40	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/l	5 (12)	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	ug/l	400 (12)	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	ug/l	--	--	--	--	--	--	--	--	--
Acetone	ug/l	--	--	--	--	--	--	--	--	--
Benzene	ug/l	100 (15)	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/l	200 (12)	--	--	--	--	--	--	--	--
Bromoform	ug/l	60 (12)	--	--	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (17)	--	--	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (18)	--	--	--	--	--	--	--	--
Chloroethane	ug/l	--	--	--	--	--	--	--	--	--
Chloroform	ug/l	--	--	--	--	--	--	--	--	--
Chloromethane	ug/l	700 (12)	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (12)	--	--	--	--	--	--	--	--
Ethylbenzene	ug/l	8	--	--	--	--	--	--	--	--
m,p-Xylenes	ug/l	--	--	--	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (20)	--	--	--	--	--	--	--	--
o-Xylene	ug/l	40 (15)	--	--	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (21)	--	--	--	--	--	--	--	--
Toluene	ug/l	0.8	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/l	7 (12)	--	--	--	--	--	--	--	--
Trichloroethene	ug/l	20	--	--	--	--	--	--	--	--
Trichlorofluoromethane	ug/l	--	--	--	--	--	--	--	--	--
Vinyl Chloride	ug/l	600 (12)	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW-8 11/21/1995	SW-8 5/15/1996	SW-8 9/30/1996	SW-8 11/29/1996	SW-8 5/7/1997	SW-8 9/22/1997	SW-8 12/2/1997	SW-8 5/13/1998
General Chemistry										
Alkalinity as CaCO3	mg/l	--[3]	260	250	250	270	250	180	200	220
Ammonia, unionized	ug/l	20	0.932	2.583	0.191	1.904	7.841	0.956	0.468	9.508
Ammonia Nitrogen	ug/l	--	630	880	<60	1400	1300	170	180	<100
Biologic Oxygen Demand, Five Day	ug/l	--	<3000	2300	<2000	<2000	2500	5000	<2000	3000
Bromide	ug/l	--	<100	<100	140	110	--	--	--	--
Chemical Oxygen Demand	ug/l	--	50000	--	47000	<5000	13000	22000	6000	10000
Chloride	ug/l	--	27000	28000	44000	23000	260	32000	26000	37000
Color	color unit	--	25	--	47	16	38	61	17	19
Conductivity (Field)	us/cm	--	465	480	530	380	430	460	360	420
Cyanide	ug/l	5[5]	<2	**31**	<5	<5	--	--	--	--
Dissolved Oxygen (Field)	mg/l	--[6]	**6.8**	**4.8**	--	**6.1**	9.3	6.1	12.6	--
Fluoride	ug/l	--	<100	170	240	220	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	225000	273000	280000	260000	250000	190000	240000	260000
Nitrate	ug/l	--	520	280	830	520	--	--	--	--
Nitrite	ug/l	--	<100	<100	<100	<100	--	--	--	--
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	900	1800	1100	820	2200	2100	590	730
pH (Field)	-	8.5	7.2	7.2	7.1	7.2	7.6	7.3	7.5	**8.52**
Phosphate	ug/l	--	<10	<400	<300	<300	--	--	--	--
Phosphorus	ug/l	--[7]	20	<200	**230**	<20	--	--	--	--
Sulfate	ug/l	--	36000	18000	46000	24000	--	--	--	--
Temperature (Field)	deg c	--[8]	1.5	10	14	0.5	7.5	15.5	0	17
Turbidity	ntu	--[9]	2	--	2.4	1.3	5.9	21	1.8	5.5
Metals										
Aluminum, Dissolved	ug/l	--[10]	**220**	<20	63	60	--	--	--	--
Arsenic	ug/l	100	<5	<5	<5	<5	--	--	--	--
Barium	ug/l	--	36	50	40	40	--	--	--	--
Beryllium	ug/l	--[11]	<5	<10	<1	<0.1	--	--	--	--
Boron	ug/l	200[12]	**340**	<50	50	20	40	50	<50	40
Cadmium	ug/l	0.2[12]	**2.3**	<0.08	<0.2	<0.08	--	--	--	--
Calcium	ug/l	--	59000	73000	53000	68000	67000	45000	64000	67000
Chromium	ug/l	--[13]	<10	<20	<2	<2	--	--	--	--
Cobalt	ug/l	0.9	<0.4	<3	<1	<1	--	--	--	--
Copper	ug/l	5	**35**	<3	2	**6**	--	--	--	--
Hexavalent Chromium	ug/l	1[4]	--	--	--	--	--	--	--	--
Iron	ug/l	300	**610**	**1900**	**420**	**340**	--	--	--	--
Lead	ug/l	--[14]	7.5	<0.6	<2	<0.6	--	--	--	--
Magnesium	ug/l	--	19000	22000	16000	23000	21000	18000	20000	22000
Manganese	ug/l	--	91	320	50	90	--	--	--	--
Molybdenum	ug/l	40	<10	<10	<4	<10	--	--	--	--
Nickel	ug/l	25	<10	<4	<3	<4	--	--	--	--
Potassium	ug/l	--	3100	2000	2300	<1000	2100	4500	1700	1900
Silicon	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	<0.1	<3	<0.3	**0.17**	--	--	--	--
Sodium	ug/l	--	19000	20000	23000	14000	20000	19000	15000	22000
Strontium	ug/l	--	190	200	170	170	190	230	150	220
Thallium	ug/l	0.3[15]	<50	<2	<20	<2	--	--	--	--
Titanium	ug/l	--	<5	<10	<1	<10	--	--	--	--
Vanadium	ug/l	6	<5	<0.2	<1	<2	--	--	--	--
Zinc	ug/l	30	20	<10	6	**36**	--	--	--	--
Zirconium	ug/l	4[12]	<100	<20	<1	<20	--	--	--	--
Semi-VOCs										
Acrolein	ug/l	0.03	--	--	--	--	--	--	--	--
Acrylonitrile	ug/l	--	--	--	--	--	--	--	--	--
Styrene	ug/l	4[15]	--	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-8 11/21/1995	SW-8 5/15/1996	SW-8 9/30/1996	SW-8 11/29/1996	SW-8 5/7/1997	SW-8 9/22/1997	SW-8 12/2/1997	SW-8 5/13/1998
VOCs										
1,1,1-Trichloroethane	ug/l	10 (16)	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	ug/l	40	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/l	5 (12)	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	--	--	--	--	--	--	--
Metyl Ethyl Ketone	ug/l	400 (12)	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	ug/l	--	--	--	--	--	--	--	--	--
Acetone	ug/l	--	--	--	--	--	--	--	--	--
Benzene	ug/l	100 (15)	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/l	200 (12)	--	--	--	--	--	--	--	--
Bromoform	ug/l	60 (12)	--	--	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (17)	--	--	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (18)	--	--	--	--	--	--	--	--
Chloroethane	ug/l	--	--	--	--	--	--	--	--	--
Chloroform	ug/l	--	--	--	--	--	--	--	--	--
Chloromethane	ug/l	700 (12)	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (12)	--	--	--	--	--	--	--	--
Ethylbenzene	ug/l	8	--	--	--	--	--	--	--	--
m,p-Xylenes	ug/l	--	--	--	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (20)	--	--	--	--	--	--	--	--
o-Xylene	ug/l	40 (15)	--	--	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (21)	--	--	--	--	--	--	--	--
Toluene	ug/l	0.8	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/l	7 (12)	--	--	--	--	--	--	--	--
Trichloroethene	ug/l	20	--	--	--	--	--	--	--	--
Trichlorofluoromethane	ug/l	--	--	--	--	--	--	--	--	--
Vinyl Chloride	ug/l	600 (12)	--	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW-8 9/22/1998	SW-8 11/25/1998	SW-8 4/27/1999	SW-8 9/29/1999	SW-8 12/1/1999	SW-8 5/30/2000	SW-8 9/25/2000	SW-8 9/25/2000 SW-8-FD (Field Duplicate)
General Chemistry										
Alkalinity as CaCO3	mg/l	-- [3]	270	290	250	144	241	239	215	213
Ammonia, unionized	ug/l	20	0.39	0.391	0.224	0.207	0.429	1.328	0.263	--
Ammonia Nitrogen	ug/l	--	130	160	<100	<50	<100	30	40	<20
Biologic Oxygen Demand, Five Day	ug/l	--	6000	4000	<2000	5000	<2000	1000	4000	5000
Bromide	ug/l	--	--	--	--	<350	--	--	--	--
Chemical Oxygen Demand	ug/l	--	38000	40000	<5000	28000	15000	10000	38000	30000
Chloride	ug/l	--	21000	48000	31000	34500	33900	25000	51000	49000
Color	color unit	--	33	34	25	16.8	24.2	25	26	27
Conductivity (Field)	us/cm	--	380	660	370	310	460	510	549	--
Cyanide	ug/l	5 [5]	--	--	--	<20	--	--	--	--
Dissolved Oxygen (Field)	mg/l	-- [6]	**4.2**	10.4	9.3	12.1	10.2	9.1	9.8	--
Fluoride	ug/l	--	--	--	--	<100	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	270000	310000	270000	167800	339580	251000	253000	263000
Nitrate	ug/l	--	--	--	--	<100	--	--	--	--
Nitrite	ug/l	--	--	--	--	<100	--	--	--	--
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	1100	1500	1000	600	1000	350	950	950
pH (Field)	-	8.5	7.01	7.4	7.1	7.2	7.61	8.1	7.3	--
Phosphate	ug/l	--	--	--	--	<10	--	--	--	--
Phosphorus	ug/l	-- [7]	--	--	--	**70**	--	--	--	--
Sulfate	ug/l	--	--	--	--	18200	--	--	--	--
Temperature (Field)	deg c	-- [8]	16	2	9.5	14.5	3	19	17.6	--
Turbidity	ntu	-- [9]	4.4	4.3	3.4	5.4	2.8	2.1	5.8	3.5
Metals										
Aluminum, Dissolved	ug/l	-- [10]	--	--	--	**80**	--	--	--	--
Arsenic	ug/l	100	--	--	--	<2	--	--	--	--
Barium	ug/l	--	--	--	--	38	--	--	--	--
Beryllium	ug/l	-- [11]	--	--	--	<1	--	--	--	--
Boron	ug/l	200 [12]	<50	40	30	29	75	40	60	60
Cadmium	ug/l	0.2 [12]	--	--	--	<0.2	--	--	--	--
Calcium	ug/l	--	68000	79000	69000	45800	88600	64000	65000	64000
Chromium	ug/l	-- [13]	--	--	--	<5	--	--	--	--
Cobalt	ug/l	0.9	--	--	--	<0.3	--	--	--	--
Copper	ug/l	5	--	--	--	<0.2	--	--	--	--
Hexavalent Chromium	ug/l	1 [4]	--	--	--	--	--	--	--	--
Iron	ug/l	300	--	--	--	300	190	--	--	--
Lead	ug/l	-- [14]	--	--	--	<2	--	--	--	--
Magnesium	ug/l	--	25000	27000	23000	13000	28800	22000	22000	25000
Manganese	ug/l	--	--	--	--	33	--	--	--	--
Molybdenum	ug/l	40	--	--	--	<6	--	--	--	--
Nickel	ug/l	25	--	--	--	<10	--	--	--	--
Potassium	ug/l	--	2800	3600	1900	<1000	3000	<1000	4000	4000
Silicon	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	0.1	--	--	--	<0.1	--	--	--	--
Sodium	ug/l	--	15000	30000	20000	16700	23500	18000	23000	25000
Strontium	ug/l	--	230	250	180	191	240	143	250	249
Thallium	ug/l	0.3 [15]	--	--	--	<2	--	--	--	--
Titanium	ug/l	--	--	--	--	<3	--	--	--	--
Vanadium	ug/l	6	--	--	--	<0.3	--	--	--	--
Zinc	ug/l	30	--	--	--	14	--	--	--	--
Zirconium	ug/l	4 [12]	--	--	--	<3	--	--	--	--
Semi-VOCs										
Acrolein	ug/l	0.03	--	--	--	<10	--	--	--	--
Acrylonitrile	ug/l	--	--	--	--	<5	--	--	--	--
Styrene	ug/l	4 [15]	--	--	--	<0.5	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW-8 9/22/1998	SW-8 11/25/1998	SW-8 4/27/1999	SW-8 9/29/1999	SW-8 12/1/1999	SW-8 5/30/2000	SW-8 9/25/2000	SW-8 9/25/2000 SW-8-FD (Field Duplicate)
VOCs										
1,1,1-Trichloroethane	ug/l	10 [16]	--	--	--	<0.5	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	--	<0.5	--	--	--	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	<0.5	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	--	--	<0.4	--	--	--	--
1,1-Dichloroethylene	ug/l	40	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/l	5 [12]	--	--	--	<0.5	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	--	<0.5	--	--	--	--
1,2-Dichloroethane	ug/l	100	--	--	--	<0.5	--	--	--	--
1,2-Dichloropropane	ug/l	0.7 [12]	--	--	--	<0.5	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	<0.5	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	--	--	<0.5	--	--	--	--
Metyl Ethyl Ketone	ug/l	400 [12]	--	--	--	<10	--	--	--	--
2-Chloroethyl Vinyl Ether	ug/l	--	--	--	--	<10	--	--	--	--
Acetone	ug/l	--	--	--	--	<20	--	--	--	--
Benzene	ug/l	100 [15]	--	--	--	<0.5	--	--	--	--
Bromodichloromethane	ug/l	200 [12]	--	--	--	<0.2	--	--	--	--
Bromoform	ug/l	60 [12]	--	--	--	<0.2	--	--	--	--
Bromomethane	ug/l	0.9 [17]	--	--	--	<3	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	<1	--	--	--	--
Chlorobenzene	ug/l	15 [18]	--	--	--	<0.5	--	--	--	--
Chloroethane	ug/l	--	--	--	--	<1	--	--	--	--
Chloroform	ug/l	--	--	--	--	<0.2	--	--	--	--
Chloromethane	ug/l	700 [12]	--	--	--	<2	--	--	--	--
cis-1,2-Dichloroethene	ug/l	200 [19]	--	--	--	<1	--	--	--	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	<0.14	--	--	--	--
Dibromochloromethane	ug/l	40 [12]	--	--	--	<0.2	--	--	--	--
Ethylbenzene	ug/l	8	--	--	--	<0.5	--	--	--	--
m,p-Xylenes	ug/l	--	--	--	--	<0.5	--	--	--	--
Methylene Chloride	ug/l	100 [20]	--	--	--	<1	--	--	--	--
o-Xylene	ug/l	40 [15]	--	--	--	<0.5	--	--	--	--
Tetrachloroethylene	ug/l	50 [21]	--	--	--	<0.5	--	--	--	--
Toluene	ug/l	0.8	--	--	--	<0.5	--	--	--	--
trans-1,2-Dichloroethene	ug/l	200 [19]	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/l	7 [12]	--	--	--	<0.14	--	--	--	--
Trichloroethene	ug/l	20	--	--	--	<0.5	--	--	--	--
Trichlorofluoromethane	ug/l	--	--	--	--	<2	--	--	--	--
Vinyl Chloride	ug/l	600 [12]	--	--	--	<0.5	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW-8 12/6/2000	SW-8 5/22/2001	SW-8 9/11/2001	SW-8 11/22/2001
General Chemistry						
Alkalinity as CaCO3	mg/l	-- [3]	292	236	147	194
Ammonia, unionized	ug/l	20	0.169	0.1	0.01	0.596
Ammonia Nitrogen	ug/l	--	140	<20	<20	140
Biologic Oxygen Demand, Five Day	ug/l	--	1000	2000	1000	<1000
Bromide	ug/l	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	8000	24000	36000	13000
Chloride	ug/l	--	33000	35000	33000	39000
Color	color unit	--	16	23	50	32
Conductivity (Field)	us/cm	--	1020	600	490	750
Cyanide	ug/l	5 [5]	--	--	--	--
Dissolved Oxygen (Field)	mg/l	-- [6]	**6.18**	8	**2.9**	9.18
Fluoride	ug/l	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	316000	241000	157000	354000
Nitrate	ug/l	--	--	--	--	--
Nitrite	ug/l	--	--	--	--	--
Nitrogen, Nitrate-Nitrite	ug/l	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	580	660	920	1000
pH (Field)	-	8.5	7.13	7.4	6.2	7.5
Phosphate	ug/l	--	--	--	--	--
Phosphorus	ug/l	-- [7]	--	--	--	--
Sulfate	ug/l	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	1	11	17	6
Turbidity	ntu	-- [9]	1.8	2.3	7.1	3.3
Metals						
Aluminum, Dissolved	ug/l	-- [10]	--	--	--	--
Arsenic	ug/l	100	--	--	--	--
Barium	ug/l	--	--	--	--	--
Beryllium	ug/l	-- [11]	--	--	--	--
Boron	ug/l	200 [12]	30	30	30	70
Cadmium	ug/l	0.2 [12]	--	--	--	--
Calcium	ug/l	--	82000	57000	38000	89000
Chromium	ug/l	-- [13]	--	--	--	--
Cobalt	ug/l	0.9	--	--	--	--
Copper	ug/l	5	--	--	--	--
Hexavalent Chromium	ug/l	1 [4]	--	--	--	<50
Iron	ug/l	300	--	--	--	--
Lead	ug/l	-- [14]	--	--	--	--
Magnesium	ug/l	--	27000	24000	15000	32000
Manganese	ug/l	--	--	--	--	--
Molybdenum	ug/l	40	--	--	--	--
Nickel	ug/l	25	--	--	--	--
Potassium	ug/l	--	2000	1000	3000	2000
Silicon	ug/l	--	--	--	--	--
Silver	ug/l	0.1	--	--	--	--
Sodium	ug/l	--	23000	18000	19000	25000
Strontium	ug/l	--	231	193	192	249
Thallium	ug/l	0.3 [15]	--	--	--	--
Titanium	ug/l	--	--	--	--	--
Vanadium	ug/l	6	--	--	--	--
Zinc	ug/l	30	--	--	--	--
Zirconium	ug/l	4 [12]	--	--	--	--
Semi-VOCs						
Acrolein	ug/l	0.03	--	--	--	--
Acrylonitrile	ug/l	--	--	--	--	--
Styrene	ug/l	4 [15]	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-8 12/6/2000	SW-8 5/22/2001	SW-8 9/11/2001	SW-8 11/22/2001
VOCs						
1,1,1-Trichloroethane	ug/l	10 (16)	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	<0.6	--	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	<0.4	--	--
1,1-Dichloroethylene	ug/l	40	--	<0.5	--	--
1,2-Dibromoethane	ug/l	5 (12)	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	<0.4	--	--
1,2-Dichloroethane	ug/l	100	--	--	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	<0.4	--	--
Metyl Ethyl Ketone	ug/l	400 (12)	--	<20	--	--
2-Chloroethyl Vinyl Ether	ug/l	--	--	--	--	--
Acetone	ug/l	--	--	<100	--	--
Benzene	ug/l	100 (15)	--	<0.5	--	--
Bromodichloromethane	ug/l	200 (12)	--	<0.3	--	--
Bromoform	ug/l	60 (12)	--	--	--	--
Bromomethane	ug/l	0.9 (17)	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--
Chlorobenzene	ug/l	15 (18)	--	<0.2	--	--
Chloroethane	ug/l	--	--	<1	--	--
Chloroform	ug/l	--	--	<0.5	--	--
Chloromethane	ug/l	700 (12)	--	<1	--	--
cis-1,2-Dichloroethene	ug/l	200 (19)	--	<0.4	--	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--
Dibromochloromethane	ug/l	40 (12)	--	--	--	--
Ethylbenzene	ug/l	8	--	<0.5	--	--
m,p-Xylenes	ug/l	--	--	<1	--	--
Methylene Chloride	ug/l	100 (20)	--	<4	--	--
o-Xylene	ug/l	40 (15)	--	<0.5	--	--
Tetrachloroethylene	ug/l	50 (21)	--	<0.3	--	--
Toluene	ug/l	0.8	--	<0.5	--	--
trans-1,2-Dichloroethene	ug/l	200 (19)	--	<0.4	--	--
trans-1,3-Dichloropropene	ug/l	7 (12)	--	--	--	--
Trichloroethene	ug/l	20	--	<0.3	--	--
Trichlorofluoromethane	ug/l	--	--	<0.5	--	--
Vinyl Chloride	ug/l	600 (12)	--	<0.5	--	--

Parameter	Unit	(2) (1) PWQO	SW98-1 7/30/1998	SW98-1 9/22/1998	SW98-1 11/25/1998	SW98-1 2/17/1999	SW98-1 2/17/1999 SW98-1-FD (Field Duplicate)	SW98-1 4/27/1999	SW98-1 9/29/1999	SW98-1 11/25/1999
General Chemistry										
Alkalinity as CaCO3	mg/l	-- (3)	420	400	360	--	--	350	216	288
Ammonia, unionized	ug/l	20	2.828	0.181	0.351	--	--	0.451	0.192	0.397
Ammonia Nitrogen	ug/l	--	570	120	150	--	--	400	<50	<100
Biologic Oxygen Demand, Five Day	ug/l	--	<2000	5000	<2000	--	--	2000	<2000	<2000
Bromide	ug/l	--	330	330	370	--	--	210	<350	<350
Chemical Oxygen Demand	ug/l	--	39000	50000	<5000	--	--	17000	38000	25000
Chloride	ug/l	--	76000	150000	75000	--	--	55000	76000	78400
Chromium (III)	ug/l	8.9 (4)	--	--	--	--	--	--	--	--
Color	color unit	--	34	39	25	--	--	24	16.1	11.2
Conductivity (Field)	us/cm	--	790	780	830	--	--	520	840	545
Cyanide	ug/l	5 (5)	<5	<5	**7**	--	--	<5	<20	<20
Dissolved Oxygen (Field)	mg/l	-- (6)	5.8	**5.2**	8.7	--	--	**7.2**	**3.4**	**7.7**
Fluoride	ug/l	--	250	210	170	--	--	220	<100	600
Hardness, Calcium Carbonate	ug/l	--	440000	440000	370000	--	--	360000	461280	480180
Nitrate	ug/l	--	<100	<100	100	--	--	140	200	<100
Nitrite	ug/l	--	<100	<100	<100	--	--	<100	<100	<100
Nitrogen, Organic	ug/l	--	--	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	1300	1200	550	--	--	790	1100	700
pH (Field)	-	8.5	7.1	6.86	7.4	--	--	7.1	7.3	7.4
Phosphate	ug/l	--	<300	<20	<20	--	--	<20	<10	8
Phosphorus	ug/l	-- (7)	**50**	**40**	**80**	--	--	<20	**170**	20
Sulfate	ug/l	--	6900	7400	19000	--	--	14000	207000	176000
Temperature (Field)	deg c	-- (8)	20	11.5	1.5	--	--	1	10.5	8
Turbidity	ntu	-- (9)	61	15	6.5	--	--	1.3	26.7	3.6
Metals										
Aluminum, Dissolved	ug/l	-- (10)	**320**	<20	40	--	--	<20	**280**	70
Arsenic	ug/l	100	<5	<5	<5	--	--	<5	<2	<2
Barium	ug/l	--	90	140	70	--	--	70	123	103
Beryllium	ug/l	-- (11)	<1	<1	<1	--	--	<1	<1	<1
Boron	ug/l	200 (12)	**220**	200	140	--	--	110	**326**	**335**
Cadmium	ug/l	0.2 (12)	<0.08	<0.08	<0.08	--	--	<0.08	<0.2	<0.2
Calcium	ug/l	--	120000	120000	100000	--	--	97000	134000	135000
Chromium	ug/l	-- (13)	<2	<2	<2	--	--	<2	<5	<5
Cobalt	ug/l	0.9	**1.8**	<0.1	0.6	--	--	<0.1	**1**	<0.3
Copper	ug/l	5	<3	<3	<3	--	--	<3	0.6	<0.2
Hexavalent Chromium	ug/l	1 (4)	--	--	--	--	--	--	--	--
Iron	ug/l	300	**510**	**3000**	**1000**	--	--	**880**	**2020**	**432**
Lead	ug/l	-- (14)	<0.6	<0.6	<0.6	--	--	<0.6	<2	<2
Magnesium	ug/l	--	34000	34000	29000	--	--	29000	30800	34800
Manganese	ug/l	--	280	1100	250	--	--	560	824	259
Molybdenum	ug/l	40	<10	<10	<10	--	--	<10	<6	<6
Nickel	ug/l	25	<4	<4	<4	--	--	<4	<10	<10
Potassium	ug/l	--	5200	5000	6100	--	--	5500	3000	5000
Silver	ug/l	0.1	<0.05	<0.05	<0.05	--	--	<0.05	<0.1	<0.1
Sodium	ug/l	--	72000	83000	40000	--	--	34000	54200	37800
Strontium	ug/l	--	450	460	300	--	--	300	432	382
Thallium	ug/l	0.3 (15)	<0.2	<0.2	<0.2	--	--	<0.2	<2	<2
Titanium	ug/l	--	<10	<10	<10	--	--	<10	<3	<3
Vanadium	ug/l	6	<2	<2	<2	--	--	<2	1.6	0.7
Zinc	ug/l	30	8	16	3	--	--	4	30	**43**
Zirconium	ug/l	4 (12)	<2	<2	<2	--	--	<2	<3	<3
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--	--	--
Acrolein	ug/l	0.03	--	--	<100	--	--	<100	<10	<10
Acrylonitrile	ug/l	--	--	--	<100	--	--	<100	<5	<5
Styrene	ug/l	4 (15)	--	--	<0.5	--	--	<0.5	<0.5	<0.5

Parameter	Unit	(2) (1) PWQO	SW98-1 7/30/1998	SW98-1 9/22/1998	SW98-1 11/25/1998	SW98-1 2/17/1999	SW98-1 2/17/1999 SW98-1-FD (Field Duplicate)	SW98-1 4/27/1999	SW98-1 9/29/1999	SW98-1 11/25/1999
VOCs										
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	--	--	<0.5	--	--	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	<0.5	--	--	<0.5	<0.5	<1
1,1,2-Trichloroethane	ug/l	800	--	--	<0.5	--	--	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	--	--	<0.5	--	--	<0.5	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	--	--	<0.5	--	--	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	--	--	<0.5	--	--	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	--	--	<0.5	--	--	<0.5	<0.5	<0.5
1,2-Dichloroethane	ug/l	100	--	--	<0.5	--	--	<0.5	<0.5	<0.5
1,2-Dichloropropane	ug/l	0.7 (12)	--	--	<0.5	--	--	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	<0.5	--	--	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	ug/l	4	--	--	<0.5	--	--	<0.5	<0.5	<0.5
Metyl Ethyl Ketone	ug/l	400 (12)	--	--	<5	--	--	<5	<10	<10
2-Chloroethyl Vinyl Ether	ug/l	--	--	--	<5	--	--	<5	<10	<10
Acetone	ug/l	--	--	--	<20	--	--	<20	<20	<10
Benzene	ug/l	100 (15)	--	--	<0.5	--	--	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	--	--	<0.5	--	--	<0.5	<0.2	<0.2
Bromoform	ug/l	60 (12)	--	--	<0.5	--	--	<0.5	<0.2	<0.2
Bromomethane	ug/l	0.9 (17)	--	--	<1.3	--	--	<1.3	<3	<3
Carbon Tetrachloride	ug/l	--	--	--	<0.5	--	--	<0.5	<1	<1
Chlorobenzene	ug/l	15 (18)	--	--	<0.5	--	--	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	--	--	<5	--	--	<5	<1	<1
Chloroform	ug/l	--	--	--	<0.5	--	--	<0.5	<0.2	<0.2
Chloromethane	ug/l	700 (12)	--	--	<5	<5	<5	<5	<2	<2
cis-1,2-Dichloroethene	ug/l	200 (19)	--	--	<0.5	--	--	<0.5	<1	<1
cis-1,3-Dichloropropene	ug/l	--	--	--	<0.5	--	--	<0.5	<0.14	<0.14
Dibromochloromethane	ug/l	40 (12)	--	--	<0.5	--	--	<0.5	<0.2	<0.2
Ethylbenzene	ug/l	8	--	--	<0.5	--	--	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
Methylene Chloride	ug/l	100 (20)	--	--	<1	--	--	<1	<1	<1
o-Xylene	ug/l	40 (15)	--	--	<0.5	--	--	<0.5	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	--	--	<0.5	--	--	<0.5	<0.5	<0.5
Toluene	ug/l	0.8	--	--	0.6	--	--	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	--	--	<0.5	--	--	<0.5	<1	<1
trans-1,3-Dichloropropene	ug/l	7 (12)	--	--	<0.5	--	--	<0.5	<0.14	<0.14
Trichloroethene	ug/l	20	--	--	<0.5	--	--	<0.5	<0.5	2
Trichlorofluoromethane	ug/l	--	--	--	<5	--	--	<5	<2	<2
Vinyl Chloride	ug/l	600 (12)	--	--	<0.5	--	--	<0.5	<0.5	<0.5

Parameter	Unit	(2) (1) PWQO	SW98-1 11/25/1999	SW98-1 5/30/2000	SW98-1 5/30/2000 SW98-1-FD (Field Duplicate)	SW98-1 (22) 10/14/2000	SW98-1 12/7/2000	SW98-1 5/22/2001	SW98-1 11/22/2001
General Chemistry									
Alkalinity as CaCO3	mg/l	-- (3)	287	386	386	--	311	323	228
Ammonia, unionized	ug/l	20	--	0.111	--	--	0.116	0.074	0.02
Ammonia Nitrogen	ug/l	--	<100	<20	30	--	150	40	20
Biologic Oxygen Demand, Five Day	ug/l	--	<2000	1000	<1000	--	2000	2000	<1000
Bromide	ug/l	--	<350	280	230	--	330	90	300
Chemical Oxygen Demand	ug/l	--	30000	5000	68000	--	39000	37000	24000
Chloride	ug/l	--	81400	47000	47000	--	89000	66000	83000
Chromium (III)	ug/l	8.9 (4)	--	<10	<10	--	<10	<1	<2
Color	color unit	--	10.8	19	20	--	5	31	17
Conductivity (Field)	us/cm	--	545	720	--	--	980	800	910
Cyanide	ug/l	5 (5)	--	<20	<20	--	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- (6)	--	**5.2**	--	--	**5.24**	7.6	**5.97**
Fluoride	ug/l	--	600	290	270	--	170	210	220
Hardness, Calcium Carbonate	ug/l	--	483090	418000	411000	--	246000	320000	510000
Nitrate	ug/l	--	<100	<100	<100	--	<100	<100	<100
Nitrite	ug/l	--	700	<100	<100	--	<100	<100	<100
Nitrogen, Organic	ug/l	--	--	<480	530	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	700	480	560	--	1930	1000	750
pH (Field)	-	8.5	7.4	7.1	--	--	6.91	7	6.8
Phosphate	ug/l	--	7	110	110	--	<30	<30	<30
Phosphorus	ug/l	-- (7)	30	30	20	--	**230**	**60**	**60**
Sulfate	ug/l	--	172000	31000	31000	--	65000	8000	218000
Temperature (Field)	deg c	-- (8)	8	16	--	--	1.7	10	5
Turbidity	ntu	-- (9)	1.5	0.5	2.7	--	26	8.5	1.7
Metals									
Aluminum, Dissolved	ug/l	-- (10)	70	<50	<50	--	**1030**	<50	**90**
Arsenic	ug/l	100	<2	<1	<1	--	<1	<1	<1
Barium	ug/l	--	103	70	70	--	160	80	80
Beryllium	ug/l	-- (11)	<1	<2	<2	--	<2	<2	<2
Boron	ug/l	200 (12)	**345**	**230**	**230**	--	120	170	**260**
Cadmium	ug/l	0.2 (12)	<0.2	<0.06	<0.06	--	0.2	<0.1	<0.1
Calcium	ug/l	--	136000	118000	115000	--	64000	85000	148000
Chromium	ug/l	-- (13)	<5	<10	<10	--	<10	<1	2
Cobalt	ug/l	0.9	0.3	0.4	**1.3**	--	**2.7**	0.2	0.4
Copper	ug/l	5	<0.2	<10	<10	--	**11**	<1	3
Hexavalent Chromium	ug/l	1 (4)	--	<10	<10	--	<10	<1	<2
Iron	ug/l	300	**419**	90	**390**	--	**8630**	**1990**	**1030**
Lead	ug/l	-- (14)	<2	<1	<1	--	11	<1	<1
Magnesium	ug/l	--	34900	30000	30000	--	21000	26000	34000
Manganese	ug/l	--	264	120	190	--	2950	600	400
Molybdenum	ug/l	40	<6	<10	<10	--	<10	<10	<10
Nickel	ug/l	25	<10	<10	<10	--	<10	<10	<10
Potassium	ug/l	--	4000	3000	3000	--	3000	4000	6000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	--	<0.1	<0.1	<0.1
Sodium	ug/l	--	37900	34000	34000	--	41000	39000	42000
Strontium	ug/l	--	384	288	288	--	321	303	354
Thallium	ug/l	0.3 (15)	<2	<1	<1	--	<1	<1	<1
Titanium	ug/l	--	<3	<10	<10	--	<10	<10	<10
Vanadium	ug/l	6	0.7	<2	<2	--	<1	<1	<1
Zinc	ug/l	30	23	<10	<10	--	**80**	<10	<10
Zirconium	ug/l	4 (12)	<3	<4	<4	--	**10**	3	3
Semi-VOCs									
Methyl Isobutyl Ketone	ug/l	--	--	<20	<20	--	--	--	--
Acrolein	ug/l	0.03	<10	--	--	--	--	--	--
Acrylonitrile	ug/l	--	<5	--	--	--	--	--	--
Styrene	ug/l	4 (15)	<0.5	<0.5	<0.5	--	<0.5	--	--

Parameter	Unit	(2) (1) PWQO	SW98-1 11/25/1999	SW98-1 5/30/2000	SW98-1 5/30/2000 SW98-1-FD (Field Duplicate)	SW98-1 (22) 10/14/2000	SW98-1 12/7/2000	SW98-1 5/22/2001	SW98-1 11/22/2001
VOCs									
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	<0.6	<0.6	--	<0.6	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	<0.5	<0.4	<0.4	--	<0.4	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<1	<0.6	<0.6	--	<0.6	<0.6	<0.6
1,1,2-Trichloroethane	ug/l	800	<0.5	<0.4	<0.4	--	<0.4	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	--	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	<0.5	<1	<1	--	<1	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.5	<1	<1	--	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.5	<0.7	<0.7	--	<0.7	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	<0.5	<0.7	<0.7	--	<0.7	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	<0.3	<0.3	--	<0.3	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.5	<1	<1	--	<0.4	--	--
1,4-Dichlorobenzene	ug/l	4	<0.5	<1	<1	--	<0.4	<0.4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<10	<20	<20	--	--	<20	<20
2-Chloroethyl Vinyl Ether	ug/l	--	<10	--	--	--	--	--	--
Acetone	ug/l	--	<10	<100	<100	--	--	<100	<100
Benzene	ug/l	100 (15)	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.2	<0.3	<0.3	--	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (12)	<0.2	<0.4	<0.4	--	<0.4	--	--
Bromomethane	ug/l	0.9 (17)	<3	<0.5	<0.5	--	<0.5	--	--
Carbon Tetrachloride	ug/l	--	<1	<0.9	<0.9	--	<0.9	--	--
Chlorobenzene	ug/l	15 (18)	<0.5	<0.2	<0.2	--	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1	--	<1	<1	<1
Chloroform	ug/l	--	<0.2	<0.5	<0.5	--	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (12)	<2	<1	<1	--	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	<1	<0.4	<0.4	--	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.14	<0.2	<0.2	--	<0.2	--	--
Dibromochloromethane	ug/l	40 (12)	<0.2	<0.3	<0.3	--	<0.3	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	--	<1	<1	<1
Methylene Chloride	ug/l	100 (20)	<1	<4	<4	--	<4	<4	<4
o-Xylene	ug/l	40 (15)	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.5	<0.3	<0.3	--	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	0.6	<0.5	<0.5	--	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<1	<0.4	<0.4	--	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	<0.14	<0.2	<0.2	--	<0.2	--	--
Trichloroethene	ug/l	20	2.5	<0.3	<0.3	--	0.9	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<2	<0.5	<0.5	--	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5

Parameter	Unit	(2) (1) PWQO	SW98-2 7/30/1998	SW98-2 9/22/1998	SW98-2 11/25/1998	SW98-2 4/26/1999	SW98-2 9/29/1999	SW98-2 11/25/1999
General Chemistry								
Alkalinity as CaCO3	mg/l	-- (3)	410	360	340	320	335	300
Ammonia, unionized	ug/l	20	6.626	0.301	0.88	**75.28**	0.214	0.627
Ammonia Nitrogen	ug/l	--	370	<100	110	1700	60	<100
Biologic Oxygen Demand, Five Day	ug/l	--	3000	6000	<2000	<2000	<4000	<2000
Bromide	ug/l	--	280	230	290	100	<350	<350
Chemical Oxygen Demand	ug/l	--	7000	53000	27000	<5000	75000	27000
Chloride	ug/l	--	100000	200000	97000	52000	158000	95400
Color	color unit	--	32	37	28	28	16.5	12.1
Conductivity (Field)	us/cm	--	920	970	930	510	1150	640
Cyanide	ug/l	5 (5)	<5	<5	5	<5	<20	<20
Dissolved Oxygen (Field)	mg/l	-- (6)	5.8	7.4	15	14	**5.8**	13.1
Fluoride	ug/l	--	210	210	160	170	<100	600
Hardness, Calcium Carbonate	ug/l	--	430000	390000	360000	340000	664200	488130
Nitrate	ug/l	--	100	<100	<100	140	<100	<100
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	1700	1400	640	2000	2100	1200
pH (Field)	-	8.5	7.6	7.11	7.9	8.1	7.2	7.6
Phosphate	ug/l	--	<300	<20	<20	<20	<10	12
Phosphorus	ug/l	-- (7)	**80**	**90**	**100**	**60**	**550**	**50**
Sulfate	ug/l	--	14000	38000	27000	12000	315000	184000
Temperature (Field)	deg c	-- (8)	22	13	2.5	19	12.5	8
Turbidity	ntu	-- (9)	40	4	35	8.6	11.5	2.5
Metals								
Aluminum, Dissolved	ug/l	-- (10)	**310**	<20	90	60	**600**	20
Arsenic	ug/l	100	<5	<5	<5	<5	<2	<2
Barium	ug/l	--	160	260	100	120	131	81
Beryllium	ug/l	-- (11)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200 (12)	**210**	**240**	130	100	**305**	**303**
Cadmium	ug/l	0.2 (12)	<0.08	<0.08	<0.08	<0.08	<0.2	<0.2
Calcium	ug/l	--	120000	100000	98000	96000	205000	139000
Chromium	ug/l	-- (13)	<2	<2	<2	<2	<5	<5
Cobalt	ug/l	0.9	**1.7**	0.1	0.6	<0.1	**1.1**	<0.3
Copper	ug/l	5	3	<3	<3	<3	3.6	<0.2
Iron	ug/l	300	**790**	**700**	**500**	**1200**	**3670**	109
Lead	ug/l	-- (14)	<0.6	<0.6	<0.6	<0.6	<2	<2
Magnesium	ug/l	--	32000	34000	28000	25000	37000	34300
Manganese	ug/l	--	160	50	40	370	420	16
Molybdenum	ug/l	40	<10	<10	<10	<10	<6	<6
Nickel	ug/l	25	<4	<4	<4	<4	<10	<10
Potassium	ug/l	--	4600	8500	6000	4100	5000	5000
Silver	ug/l	0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
Sodium	ug/l	--	73000	130000	57000	27000	112000	50800
Strontium	ug/l	--	430	510	330	270	570	396
Thallium	ug/l	0.3 (15)	<0.2	<0.2	<0.2	<0.2	<2	<2
Titanium	ug/l	--	<10	<10	<10	<10	7	<3
Vanadium	ug/l	6	<2	<2	<2	<2	4	0.8
Zinc	ug/l	30	7	<2	<2	<2	**121**	21
Zirconium	ug/l	4 (12)	<2	<2	<2	<2	<3	<3
Semi-VOCs								
Acrolein	ug/l	0.03	--	--	--	<100	<10	<10
Acrylonitrile	ug/l	--	--	--	--	<100	<5	<5
Styrene	ug/l	4 (15)	--	--	--	<0.5	<0.5	<0.5

Parameter	Unit	(2) (1) PWQO	SW98-2 7/30/1998	SW98-2 9/22/1998	SW98-2 11/25/1998	SW98-2 4/26/1999	SW98-2 9/29/1999	SW98-2 11/25/1999
VOCs								
1,1,1-Trichloroethane	ug/l	10 (16)	--	--	--	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	--	<0.5	<0.5	<1
1,1,2-Trichloroethane	ug/l	800	--	--	--	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	--	--	--	<0.5	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	--	--	--	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	--	--	--	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	--	--	--	<0.5	<0.5	<0.5
1,2-Dichloroethane	ug/l	100	--	--	--	<0.5	<0.5	<0.5
1,2-Dichloropropane	ug/l	0.7 (12)	--	--	--	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	ug/l	4	--	--	--	<0.5	<0.5	<0.5
Metyl Ethyl Ketone	ug/l	400 (12)	--	--	--	<5	<10	<10
2-Chloroethyl Vinyl Ether	ug/l	--	--	--	--	<5	<10	<10
Acetone	ug/l	--	--	--	--	<20	<20	<10
Benzene	ug/l	100 (15)	--	--	--	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	--	--	--	<0.5	<0.2	<0.2
Bromoform	ug/l	60 (12)	--	--	--	<0.5	<0.2	<0.2
Bromomethane	ug/l	0.9 (17)	--	--	--	<1.3	<3	<3
Carbon Tetrachloride	ug/l	--	--	--	--	<0.5	<1	<1
Chlorobenzene	ug/l	15 (18)	--	--	--	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	--	--	--	<5	<1	<1
Chloroform	ug/l	--	--	--	--	<0.5	<0.2	<0.2
Chloromethane	ug/l	700 (12)	--	--	--	<5	<2	<2
cis-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	<0.5	<1	<1
cis-1,3-Dichloropropene	ug/l	--	--	--	--	<0.5	<0.14	<0.14
Dibromochloromethane	ug/l	40 (12)	--	--	--	<0.5	<0.2	<0.2
Ethylbenzene	ug/l	8	--	--	--	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	--	--	--	<0.5	<0.5	<0.5
Methylene Chloride	ug/l	100 (20)	--	--	--	<1	<1	<1
o-Xylene	ug/l	40 (15)	--	--	--	<0.5	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	--	--	--	<0.5	<0.5	<0.5
Toluene	ug/l	0.8	--	--	--	<0.5	<0.5	0.7
trans-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	<0.5	<1	<1
trans-1,3-Dichloropropene	ug/l	7 (12)	--	--	--	<0.5	<0.14	<0.14
Trichloroethene	ug/l	20	--	--	--	<0.5	<0.5	2.6
Trichlorofluoromethane	ug/l	--	--	--	--	<5	<2	<2
Vinyl Chloride	ug/l	600 (12)	--	--	--	<0.5	<0.5	<0.5

Parameter	Unit	(2) (1) PWQO	SW99-1 3/2/1999	SW99-1 4/27/1999	SW99-1 5/31/2000	SW99-1 (22) 9/14/2000	SW99-1 12/7/2000	SW99-1 5/23/2001
General Chemistry								
Alkalinity as CaCO3	mg/l	-- (3)	280	200	206	--	174	221
Ammonia, unionized	ug/l	20	6.213	0.61	0.425	--	0.02	0.319
Ammonia Nitrogen	ug/l	--	1900	160	60	--	<20	80
Biologic Oxygen Demand, Five Day	ug/l	--	5000	<2000	<1000	--	4000	5000
Bromide	ug/l	--	<100	<100	<50	--	<50	<50
Chemical Oxygen Demand	ug/l	--	53000	<5000	29000	--	16000	17000
Chloride	ug/l	--	28000	34000	34000	--	55000	23000
Chromium (III)	ug/l	8.9 (4)	--	--	<10	--	<10	<1
Color	color unit	--	97	10	10	--	7	22
Conductivity (Field)	us/cm	--	500	360	645	--	1000	700
Cyanide	ug/l	5 (5)	<5	<5	<20	--	<5	<5
Dissolved Oxygen (Field)	mg/l	-- (6)	15	8.9	6.1	--	**7.01**	**2.3**
Fluoride	ug/l	--	150	<100	110	--	<100	120
Hardness, Calcium Carbonate	ug/l	--	280000	250000	276000	--	281000	248000
Nitrate	ug/l	--	260	240	620	--	870	210
Nitrite	ug/l	--	<100	<100	<100	--	<100	<100
Nitrogen, Organic	ug/l	--	--	--	280	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	2900	1300	310	--	720	740
pH (Field)	-	8.5	7.6	7.4	7.5	--	7.02	7.3
Phosphate	ug/l	--	40	<20	<10	--	<30	<30
Phosphorus	ug/l	-- (7)	**100**	**250**	20	--	**120**	**180**
Sulfate	ug/l	--	28000	61000	52000	--	83000	44000
Temperature (Field)	deg c	-- (8)	0	7.5	12.5	--	1.3	11
Turbidity	ntu	-- (9)	35	7.8	2.5	--	>100	85
Metals								
Aluminum, Dissolved	ug/l	-- (10)	**500**	**380**	<50	--	**230**	<50
Arsenic	ug/l	100	<5	<5	<0.1	--	<1	<1
Barium	ug/l	--	210	70	60	--	80	200
Beryllium	ug/l	-- (11)	<1	<1	<2	--	<2	<2
Boron	ug/l	200 (12)	150	30	40	--	20	40
Cadmium	ug/l	0.2 (12)	**1.9**	<0.08	<0.15	--	0.1	<0.1
Calcium	ug/l	--	82000	70000	79000	--	78000	68000
Chromium	ug/l	-- (13)	2	<2	<10	--	<10	1
Cobalt	ug/l	0.9	0.9	<0.1	0.6	--	0.6	0.3
Copper	ug/l	5	**83**	<3	<5	--	3	**9**
Hexavalent Chromium	ug/l	1 (4)	--	--	<10	--	<10	<1
Iron	ug/l	300	**12000**	210	70	--	270	**3530**
Lead	ug/l	-- (14)	62	<0.6	--	--	1	<1
Magnesium	ug/l	--	19000	19000	19000	--	21000	19000
Manganese	ug/l	--	470	50	<10	--	100	930
Molybdenum	ug/l	40	<10	<10	<10	--	<10	<10
Nickel	ug/l	25	<4	<4	<10	--	<10	<10
Potassium	ug/l	--	5100	2100	2000	--	2000	2000
Silver	ug/l	0.1	<0.05	<0.05	**0.2**	--	<0.1	<0.1
Sodium	ug/l	--	13000	23000	24000	--	19000	20000
Strontium	ug/l	--	190	100	88	--	106	113
Thallium	ug/l	0.3 (15)	<0.2	<0.2	<2	--	<1	<1
Titanium	ug/l	--	<10	<10	<10	--	<10	20
Vanadium	ug/l	6	<2	<2	<2	--	<1	**7**
Zinc	ug/l	30	**290**	14	<20	--	10	**120**
Zirconium	ug/l	4 (12)	<2	<2	<100	--	**10**	1
Semi-VOCs								
Methyl Isobutyl Ketone	ug/l	--	--	--	<20	--	--	--
Acrolein	ug/l	0.03	<100	<100	--	--	--	--
Acrylonitrile	ug/l	--	<100	<100	--	--	--	--
Styrene	ug/l	4 (15)	<0.5	<0.5	<0.5	--	<0.5	--

Parameter	Unit	(2) (1) PWQO	SW99-1 3/2/1999	SW99-1 4/27/1999	SW99-1 5/31/2000	SW99-1 (22) 9/14/2000	SW99-1 12/7/2000	SW99-1 5/23/2001
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	<0.6	--	<0.6	--
1,1,1-Trichloroethane	ug/l	10 (16)	<0.5	<0.5	<0.4	--	<0.4	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.6	--	<0.6	<0.6
1,1,2-Trichloroethane	ug/l	800	<0.5	<0.5	<0.4	--	<0.4	--
1,1-Dichloroethane	ug/l	200	<0.5	<0.5	<0.4	--	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	--	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	<0.5	<0.5	<1	--	<1	--
1,2-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<1	--	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.5	<0.5	<0.7	--	<0.7	--
1,2-Dichloropropane	ug/l	0.7 (12)	<0.5	<0.5	<0.7	--	<0.7	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	<0.3	--	<0.3	--
1,3-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<1	--	<0.4	--
1,4-Dichlorobenzene	ug/l	4	<0.5	<0.5	<1	--	<0.4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<5	<5	<20	--	--	<20
2-Chloroethyl Vinyl Ether	ug/l	--	<5	<5	--	--	--	--
Acetone	ug/l	--	<20	<20	<100	--	--	<100
Benzene	ug/l	100 (15)	<0.5	<0.5	<0.5	--	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.5	<0.5	<0.3	--	<0.3	<0.3
Bromoform	ug/l	60 (12)	<0.5	<0.5	<0.4	--	<0.4	--
Bromomethane	ug/l	0.9 (17)	<1.3	<1.3	<0.5	--	<0.5	--
Carbon Tetrachloride	ug/l	--	<0.5	<0.5	<0.9	--	<0.9	--
Chlorobenzene	ug/l	15 (18)	<0.5	<0.5	<0.2	--	<0.2	<0.2
Chloroethane	ug/l	--	<5	<5	<1	--	<1	<1
Chloroform	ug/l	--	<0.5	<0.5	<0.5	--	<0.5	<0.5
Chloromethane	ug/l	700 (12)	<5	<5	<1	--	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	4.5	<0.5	<0.4	--	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.5	<0.5	<0.2	--	<0.2	--
Dibromochloromethane	ug/l	40 (12)	<0.5	<0.5	<0.3	--	<0.3	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	--	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	--	<1	<1
Methylene Chloride	ug/l	100 (20)	<1	<1	<4	--	<4	<4
o-Xylene	ug/l	40 (15)	<0.5	<0.5	<0.5	--	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.5	<0.5	<0.3	--	<0.3	<0.3
Toluene	ug/l	0.8	0.8	<0.5	<0.5	--	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.5	<0.5	<0.4	--	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	<0.5	<0.5	<0.2	--	<0.2	--
Trichloroethene	ug/l	20	0.9	<0.5	<0.3	--	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<5	<5	<0.5	--	<0.5	<0.5
Vinyl Chloride	ug/l	600 (12)	7.6	<0.5	<0.5	--	<0.5	<0.5

Parameter	Unit	(2) (1) PWQO	SW99-2 3/2/1999	SW99-2 4/27/1999	SW99-2 9/28/1999	SW99-2 11/25/1999	SW99-2 5/31/2000	SW99-2 (22) 9/14/2000	SW99-2 12/6/2000	SW99-2 12/6/2000 SW99-2-FD (Field Duplicate)
General Chemistry										
Alkalinity as CaCO3	mg/l	--(3)	200	190	128	192	180	--	232	--
Ammonia, unionized	ug/l	20	1.21	6.558	0.315	0.583	0.391	--	0.114	--
Ammonia Nitrogen	ug/l	--	370	190	<50	200	110	--	30	--
Biologic Oxygen Demand, Five Day	ug/l	--	<2000	<2000	--	2000	2000	--	<1000	--
Bromide	ug/l	--	<100	<100	<350	<350	<50	--	<50	--
Chemical Oxygen Demand	ug/l	--	30000	<5000	34000	16000	24000	--	24000	--
Chloride	ug/l	--	24000	28000	18800	37500	19000	--	28000	--
Chromium (III)	ug/l	8.9(4)	--	--	--	--	<10	--	<10	--
Color	color unit	--	19	15	21	10	18	--	18	--
Conductivity (Field)	us/cm	--	510	410	465	510	515	--	856	--
Cyanide	ug/l	5(5)	<5	<5	<20	<20	<20	--	<5	--
Dissolved Oxygen (Field)	mg/l	--(6)	15	10.4	8.1	10.4	7.7	--	9.04	--
Fluoride	ug/l	--	110	200	300	400	150	--	130	--
Hardness, Calcium Carbonate	ug/l	--	310000	300000	285920	313430	260000	--	234000	--
Nitrate	ug/l	--	310	<100	200	<100	<100	--	<100	--
Nitrite	ug/l	--	<100	<100	400	<100	<100	--	<100	--
Nitrogen, Organic	ug/l	--	--	--	--	--	440	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	1300	570	700	700	550	--	760	--
pH (Field)	-	8.5	7.6	8.2	7.3	7.3	7.1	--	7.64	--
Phosphate	ug/l	--	20	<20	<10	13	<10	--	<30	--
Phosphorus	ug/l	--(7)	**190**	30	**80**	**40**	**80**	--	**90**	--
Sulfate	ug/l	--	93000	110000	136000	101000	63000	--	36000	--
Temperature (Field)	deg c	--(8)	0	12.5	17	7	15.5	--	0.7	--
Turbidity	ntu	--(9)	9	1.6	3.7	2.4	3.7	--	3.8	--
Metals										
Aluminum, Dissolved	ug/l	--(10)	**80**	50	**80**	**90**	<50	--	**210**	--
Arsenic	ug/l	100	<5	<5	<2	<2	1	--	<1	--
Barium	ug/l	--	70	70	464	73	70	--	60	--
Beryllium	ug/l	--(11)	<1	<1	<1	<1	<2	--	<2	--
Boron	ug/l	200(12)	<10	90	**285**	83	80	--	40	--
Cadmium	ug/l	0.2(12)	<0.08	<0.08	<0.2	<0.2	<1.5	--	<0.1	--
Calcium	ug/l	--	93000	87000	83700	92900	76000	--	69000	--
Chromium	ug/l	--(13)	<2	<2	7	<5	<10	--	<10	--
Cobalt	ug/l	0.9	0.5	<0.1	0.4	0.9	**1**	--	0.6	--
Copper	ug/l	5	<3	<3	<0.2	<0.2	<5	--	2	--
Hexavalent Chromium	ug/l	1(4)	--	--	--	--	<10	--	<10	--
Iron	ug/l	300	300	170	21	**670**	**660**	--	**540**	--
Lead	ug/l	--(14)	<0.6	<0.6	<2	<2	--	--	<1	--
Magnesium	ug/l	--	18000	19000	18700	19800	17000	--	15000	--
Manganese	ug/l	--	290	210	13	186	420	--	310	--
Molybdenum	ug/l	40	<10	<10	<6	<6	<10	--	<10	--
Nickel	ug/l	25	<4	<4	<10	<10	<10	--	<10	--
Potassium	ug/l	--	2200	2900	3000	4000	3000	--	3000	--
Silver	ug/l	0.1	<0.05	<0.05	<0.2	<0.1	**0.2**	--	<0.1	--
Sodium	ug/l	--	12000	15000	18000	15100	13000	--	12000	--
Strontium	ug/l	--	200	200	226	221	173	--	213	--
Thallium	ug/l	0.3(15)	<0.2	<0.2	<2	<2	<2	--	<1	--
Titanium	ug/l	--	<10	<10	<3	4	<10	--	<10	--
Vanadium	ug/l	6	<2	<2	1.1	0.9	<2	--	1	--
Zinc	ug/l	30	9	<2	23	30	<10	--	<10	--
Zirconium	ug/l	4(12)	<2	<2	<3	**14**	<100	--	**650**	<100
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	<20	--	--	--
Acrolein	ug/l	0.03	<100	<100	<10	<10	--	--	--	--
Acrylonitrile	ug/l	--	<100	<100	<5	<5	--	--	--	--
Styrene	ug/l	4(15)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--

Parameter	Unit	(2) (1) PWQO	SW99-2 3/2/1999	SW99-2 4/27/1999	SW99-2 9/28/1999	SW99-2 11/25/1999	SW99-2 5/31/2000	SW99-2 (22) 9/14/2000	SW99-2 12/6/2000	SW99-2 12/6/2000 SW99-2-FD (Field Duplicate)
VOCs										
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	--	--	<0.6	--	<0.6	--
1,1,1-Trichloroethane	ug/l	10 (16)	<0.5	<0.5	<0.5	<0.5	<0.4	--	<0.4	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<1	<0.6	--	<0.6	--
1,1,2-Trichloroethane	ug/l	800	<0.5	<0.5	<0.5	<0.5	<0.4	--	<0.4	--
1,1-Dichloroethane	ug/l	200	<0.5	<0.5	<0.4	<0.4	<0.4	--	<0.4	--
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
1,2-Dibromoethane	ug/l	5 (12)	<0.5	<0.5	<0.5	<0.5	<1	--	<1	--
1,2-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<0.5	<0.5	<1	--	<0.4	--
1,2-Dichloroethane	ug/l	100	<0.5	<0.5	<0.5	<0.5	<0.7	--	<0.7	--
1,2-Dichloropropane	ug/l	0.7 (12)	<0.5	<0.5	<0.5	<0.5	<0.7	--	<0.7	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	<0.3	--	<0.3	--
1,3-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<0.5	<0.5	<1	--	<0.4	--
1,4-Dichlorobenzene	ug/l	4	<0.5	<0.5	<0.5	<0.5	<1	--	<0.4	--
Metyl Ethyl Ketone	ug/l	400 (12)	<5	<5	<10	<10	<20	--	--	--
2-Chloroethyl Vinyl Ether	ug/l	--	<5	<5	<10	<10	--	--	--	--
Acetone	ug/l	--	<20	<20	<20	<10	<100	--	--	--
Benzene	ug/l	100 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
Bromodichloromethane	ug/l	200 (12)	<0.5	<0.5	<0.2	<0.2	<0.3	--	<0.3	--
Bromoform	ug/l	60 (12)	<0.5	<0.5	<0.2	<0.2	<0.4	--	<0.4	--
Bromomethane	ug/l	0.9 (17)	<1.3	<1.3	<3	<3	<0.5	--	<0.5	--
Carbon Tetrachloride	ug/l	--	<0.5	<0.5	<1	<1	<0.9	--	<0.9	--
Chlorobenzene	ug/l	15 (18)	<0.5	<0.5	<0.5	<0.5	<0.2	--	<0.2	--
Chloroethane	ug/l	--	<5	<5	<1	<1	<1	--	<1	--
Chloroform	ug/l	--	<0.5	<0.5	<0.2	<0.2	<0.5	--	<0.5	--
Chloromethane	ug/l	700 (12)	<5	<5	<2	<2	<1	--	<1	--
cis-1,2-Dichloroethene	ug/l	200 (19)	0.7	<0.5	<1	<1	<0.4	--	<0.4	--
cis-1,3-Dichloropropene	ug/l	--	<0.5	<0.5	<0.14	<0.14	<0.2	--	<0.2	--
Dibromochloromethane	ug/l	40 (12)	<0.5	<0.5	<0.2	<0.2	<0.3	--	<0.3	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	1.7	<0.5	--	<1	--
Methylene Chloride	ug/l	100 (20)	<1	<1	<1	<1	<4	--	<4	--
o-Xylene	ug/l	40 (15)	<0.5	<0.5	<0.5	0.6	<0.5	--	<0.5	--
Tetrachloroethylene	ug/l	50 (21)	<0.5	<0.5	<0.5	<0.5	<0.3	--	<0.3	--
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	**2.2**	<0.5	--	<0.5	--
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.5	<0.5	<1	<1	<0.4	--	<0.4	--
trans-1,3-Dichloropropene	ug/l	7 (12)	<0.5	<0.5	<0.14	<0.14	<0.2	--	<0.2	--
Trichloroethene	ug/l	20	<0.5	<0.5	<0.5	5.3	<0.3	--	<0.3	--
Trichlorofluoromethane	ug/l	--	<5	<5	<2	<2	<0.5	--	<0.5	--
Vinyl Chloride	ug/l	600 (12)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--

Parameter	Unit	[2] [1] PWQO	SW99-2 5/23/2001	SW99-2 11/23/2001
General Chemistry				
Alkalinity as CaCO3	mg/l	--[3]	254	159
Ammonia, unionized	ug/l	20	0.051	0.403
Ammonia Nitrogen	ug/l	--	40	150
Biologic Oxygen Demand, Five Day	ug/l	--	3000	<1000
Bromide	ug/l	--	<50	<50
Chemical Oxygen Demand	ug/l	--	39000	<5000
Chloride	ug/l	--	84000	27000
Chromium (III)	ug/l	8.9[4]	<1	<2
Color	color unit	--	54	9
Conductivity (Field)	us/cm	--	610	210
Cyanide	ug/l	5[5]	<5	<5
Dissolved Oxygen (Field)	mg/l	--[6]	**4.9**	8.62
Fluoride	ug/l	--	140	130
Hardness, Calcium Carbonate	ug/l	--	264000	187000
Nitrate	ug/l	--	<100	<100
Nitrite	ug/l	--	<100	<100
Nitrogen, Organic	ug/l	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	1470	160
pH (Field)	-	8.5	6.8	7.3
Phosphate	ug/l	--	90	<30
Phosphorus	ug/l	--[7]	**210**	10
Sulfate	ug/l	--	16000	31000
Temperature (Field)	deg c	--[8]	11	6
Turbidity	ntu	--[9]	4.1	0.7
Metals				
Aluminum, Dissolved	ug/l	--[10]	<50	<50
Arsenic	ug/l	100	<1	<1
Barium	ug/l	--	120	40
Beryllium	ug/l	--[11]	<2	<2
Boron	ug/l	200[12]	30	<50
Cadmium	ug/l	0.2[12]	<0.1	<0.1
Calcium	ug/l	--	66000	45000
Chromium	ug/l	--[13]	<1	2
Cobalt	ug/l	0.9	0.4	<0.2
Copper	ug/l	5	<1	<1
Hexavalent Chromium	ug/l	1[4]	<1	<2
Iron	ug/l	300	**1060**	50
Lead	ug/l	--[14]	<1	<1
Magnesium	ug/l	--	24000	18000
Manganese	ug/l	--	780	<10
Molybdenum	ug/l	40	<10	<10
Nickel	ug/l	25	<10	<10
Potassium	ug/l	--	2000	1000
Silver	ug/l	0.1	<0.1	<0.1
Sodium	ug/l	--	50000	16000
Strontium	ug/l	--	226	97
Thallium	ug/l	0.3[15]	<1	<1
Titanium	ug/l	--	<10	<10
Vanadium	ug/l	6	1	<1
Zinc	ug/l	30	**50**	<10
Zirconium	ug/l	4[12]	2	<1
Semi-VOCs				
Methyl Isobutyl Ketone	ug/l	--	--	--
Acrolein	ug/l	0.03	--	--
Acrylonitrile	ug/l	--	--	--
Styrene	ug/l	4[15]	--	--

Parameter	Unit	(2) (1) PWQO	SW99-2 5/23/2001	SW99-2 11/23/2001
VOCs				
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6
1,1,2-Trichloroethane	ug/l	800	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<20	<20
2-Chloroethyl Vinyl Ether	ug/l	--	--	--
Acetone	ug/l	--	<100	<100
Benzene	ug/l	100 (15)	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.3	<0.3
Bromoform	ug/l	60 (12)	--	--
Bromomethane	ug/l	0.9 (17)	--	--
Carbon Tetrachloride	ug/l	--	--	--
Chlorobenzene	ug/l	15 (18)	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1
Chloroform	ug/l	--	<0.5	<0.5
Chloromethane	ug/l	700 (12)	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--
Dibromochloromethane	ug/l	40 (12)	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1
Methylene Chloride	ug/l	100 (20)	<4	<4
o-Xylene	ug/l	40 (15)	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	--	--
Trichloroethene	ug/l	20	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5	<0.5

Parameter	Unit	(2) (1) PWQO	SW99-3 3/2/1999	SW99-3 4/27/1999	SW99-3 9/28/1999	SW99-3 11/25/1999	SW99-3 5/31/2000	SW99-3 (22) 9/14/2000	SW99-3 12/7/2000	SW99-3 5/23/2001
General Chemistry										
Alkalinity as CaCO3	mg/l	-- (3)	210	230	121	206	173	--	252	199
Ammonia, unionized	ug/l	20	1.962	2.268	0.341	0.184	0.221	--	0.085	0.277
Ammonia Nitrogen	ug/l	--	600	<100	<50	100	30	--	40	110
Biologic Oxygen Demand, Five Day	ug/l	--	2000	<2000	<2000	<2000	<1000	--	2000	2000
Bromide	ug/l	--	<100	<100	<350	<350	<50	--	110	<50
Chemical Oxygen Demand	ug/l	--	34000	25000	22000	22000	39000	--	29000	25000
Chloride	ug/l	--	32000	34000	24200	50900	25000	--	40000	32000
Chromium (III)	ug/l	8.9 (4)	--	--	--	--	<10	--	<10	<1
Color	color unit	--	21	14	13.3	9	18	--	23	27
Conductivity (Field)	us/cm	--	580	470	445	470	560	--	973	610
Cyanide	ug/l	5 (5)	<5	<5	<20	<20	<20	--	<5	<5
Dissolved Oxygen (Field)	mg/l	-- (6)	15	9.8	8.8	10.2	9	--	10.28	**4.4**
Fluoride	ug/l	--	110	150	300	400	150	--	110	170
Hardness, Calcium Carbonate	ug/l	--	380000	360000	264180	352290	272000	--	306000	242000
Nitrate	ug/l	--	360	320	300	<100	<100	--	<100	220
Nitrite	ug/l	--	<100	<100	<100	<100	<100	--	<100	<100
Nitrogen, Organic	ug/l	--	--	--	--	--	270	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	1700	1300	400	500	300	--	630	850
pH (Field)	-	8.5	7.6	8.2	7.5	7.1	7.5	--	7.4	7.1
Phosphate	ug/l	--	20	<20	<10	8	<10	--	<30	<30
Phosphorus	ug/l	-- (7)	**240**	**220**	**100**	30	10	--	**40**	**100**
Sulfate	ug/l	--	120000	130000	127000	122000	80000	--	46000	45000
Temperature (Field)	deg c	-- (8)	0	7	12	7	13	--	0.4	11
Turbidity	ntu	-- (9)	17	10	9.5	1.4	0.6	--	7.1	8.9
Metals										
Aluminum, Dissolved	ug/l	-- (10)	**950**	**300**	20	**440**	<50	--	**80**	<50
Arsenic	ug/l	100	<5	<5	<2	<2	<1	--	<1	<1
Barium	ug/l	--	110	100	92	103	70	--	70	80
Beryllium	ug/l	-- (11)	<1	<1	<1	<1	<2	--	<2	<2
Boron	ug/l	200 (12)	70	100	174	89	80	--	40	80
Cadmium	ug/l	0.2 (12)	<0.08	<0.08	<0.2	0.2	<1.5	--	<0.1	<0.1
Calcium	ug/l	--	110000	110000	81400	105000	81000	--	91000	72000
Chromium	ug/l	-- (13)	<2	<2	6	<5	<10	--	<10	<1
Cobalt	ug/l	0.9	**3.8**	**1**	**3.2**	**2.3**	**2.5**	--	**1.4**	0.3
Copper	ug/l	5	**7**	<3	3.1	2.1	<5	--	2	3
Hexavalent Chromium	ug/l	1 (4)	--	--	--	--	<10	--	<10	<1
Iron	ug/l	300	**3100**	**920**	**1350**	**1060**	150	--	**420**	**1360**
Lead	ug/l	-- (14)	3.7	<0.6	<4	3	--	--	<1	3
Magnesium	ug/l	--	20000	20000	14800	21900	17000	--	19000	15000
Manganese	ug/l	--	510	140	162	148	20	--	270	460
Molybdenum	ug/l	40	<10	<10	<6	<6	<10	--	<10	<10
Nickel	ug/l	25	<4	<4	<10	<10	<10	--	<10	<10
Potassium	ug/l	--	2900	3500	4000	4000	3000	--	4000	3000
Silver	ug/l	0.1	<0.05	<0.05	<0.2	<0.1	**0.3**	--	<0.1	<0.1
Sodium	ug/l	--	15000	18000	11000	19300	16000	--	19000	15000
Strontium	ug/l	--	240	230	196	250	174	--	202	177
Thallium	ug/l	0.3 (15)	<0.2	<0.2	<2	<2	<1	--	<1	<1
Titanium	ug/l	--	10	<10	12	4	<10	--	<10	<10
Vanadium	ug/l	6	<2	<2	2.6	1.8	<2	--	<1	<1
Zinc	ug/l	30	**120**	**37**	**89**	**79**	10	--	20	**60**
Zirconium	ug/l	4 (12)	<2	<2	<3	**6**	<100	--	<10	1
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	<20	--	--	--
Acrolein	ug/l	0.03	<100	<100	<10	<10	--	--	--	--
Acrylonitrile	ug/l	--	<100	<100	<5	<5	--	--	--	--
Styrene	ug/l	4 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--

Parameter	Unit	(2) (1) PWQO	SW99-3 3/2/1999	SW99-3 4/27/1999	SW99-3 9/28/1999	SW99-3 11/25/1999	SW99-3 5/31/2000	SW99-3 (22) 9/14/2000	SW99-3 12/7/2000	SW99-3 5/23/2001
VOCs										
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	--	--	<0.6	--	<0.6	--
1,1,1-Trichloroethane	ug/l	10 (16)	<0.5	<0.5	<0.5	<0.5	<0.4	--	<0.4	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<1	<0.6	--	<0.6	<0.6
1,1,2-Trichloroethane	ug/l	800	<0.5	<0.5	<0.5	<0.5	<0.4	--	<0.4	--
1,1-Dichloroethane	ug/l	200	<0.5	<0.5	<0.4	<0.4	<0.4	--	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	<0.5	<0.5	<0.5	<0.5	<1	--	<1	--
1,2-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<0.5	<0.5	<1	--	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.5	<0.5	<0.5	<0.5	<0.7	--	<0.7	--
1,2-Dichloropropane	ug/l	0.7 (12)	<0.5	<0.5	<0.5	<0.5	<0.7	--	<0.7	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	<0.3	--	<0.3	--
1,3-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<0.5	<0.5	<1	--	<0.4	--
1,4-Dichlorobenzene	ug/l	4	<0.5	<0.5	<0.5	<0.5	<1	--	<0.4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<5	<5	<10	<10	<20	--	--	<20
2-Chloroethyl Vinyl Ether	ug/l	--	<5	<5	<10	<10	--	--	--	--
Acetone	ug/l	--	<20	<20	<20	<10	<100	--	--	<100
Benzene	ug/l	100 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.5	<0.5	<0.2	<0.2	<0.3	--	<0.3	<0.3
Bromoform	ug/l	60 (12)	<0.5	<0.5	<0.2	<0.2	<0.4	--	<0.4	--
Bromomethane	ug/l	0.9 (17)	<1.3	<1.3	<3	<3	<0.5	--	<0.5	--
Carbon Tetrachloride	ug/l	--	<0.5	<0.5	<1	<1	<0.9	--	<0.9	--
Chlorobenzene	ug/l	15 (18)	<0.5	<0.5	<0.5	<0.5	<0.2	--	<0.2	<0.2
Chloroethane	ug/l	--	<5	<5	<1	<1	<1	--	<1	<1
Chloroform	ug/l	--	<0.5	<0.5	<0.2	<0.2	<0.5	--	<0.5	<0.5
Chloromethane	ug/l	700 (12)	<5	<5	<2	<2	<1	--	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	1.2	<0.5	<1	<1	<0.4	--	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.5	<0.5	<0.14	<0.14	<0.2	--	<0.2	--
Dibromochloromethane	ug/l	40 (12)	<0.5	<0.5	<0.2	<0.2	<0.3	--	<0.3	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	1.1	<0.5	--	<1	<1
Methylene Chloride	ug/l	100 (20)	<1	<1	<1	<1	<4	--	<4	<4
o-Xylene	ug/l	40 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.5	<0.5	<0.5	<0.5	<0.3	--	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	**1.4**	<0.5	--	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.5	<0.5	<1	<1	<0.4	--	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	<0.5	<0.5	<0.14	<0.14	<0.2	--	<0.2	--
Trichloroethene	ug/l	20	<0.5	<0.5	<0.5	3.8	<0.3	--	0.3	<0.3
Trichlorofluoromethane	ug/l	--	<5	<5	<2	<2	<0.5	--	<0.5	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5

Parameter	Unit	(2) (1) PWQO	SW99-3 11/22/2001
General Chemistry			
Alkalinity as CaCO3	mg/l	-- (3)	163
Ammonia, unionized	ug/l	20	0.156
Ammonia Nitrogen	ug/l	--	70
Biologic Oxygen Demand, Five Day	ug/l	--	<1000
Bromide	ug/l	--	<50
Chemical Oxygen Demand	ug/l	--	9000
Chloride	ug/l	--	24000
Chromium (III)	ug/l	8.9 (4)	<3
Color	color unit	--	15
Conductivity (Field)	us/cm	--	420
Cyanide	ug/l	5 (5)	<5
Dissolved Oxygen (Field)	mg/l	-- (6)	9.88
Fluoride	ug/l	--	550
Hardness, Calcium Carbonate	ug/l	--	193000
Nitrate	ug/l	--	<100
Nitrite	ug/l	--	<100
Nitrogen, Organic	ug/l	--	--
Nitrogen, Total Kjeldahl	ug/l	--	450
pH (Field)	-	8.5	7.27
Phosphate	ug/l	--	<30
Phosphorus	ug/l	-- (7)	**50**
Sulfate	ug/l	--	44000
Temperature (Field)	deg c	-- (8)	4.5
Turbidity	ntu	-- (9)	1.7
Metals			
Aluminum, Dissolved	ug/l	-- (10)	**150**
Arsenic	ug/l	100	<1
Barium	ug/l	--	50
Beryllium	ug/l	-- (11)	<2
Boron	ug/l	200 (12)	60
Cadmium	ug/l	0.2 (12)	<0.1
Calcium	ug/l	--	54000
Chromium	ug/l	-- (13)	3
Cobalt	ug/l	0.9	0.8
Copper	ug/l	5	3
Hexavalent Chromium	ug/l	1 (4)	<3
Iron	ug/l	300	**350**
Lead	ug/l	-- (14)	1
Magnesium	ug/l	--	14000
Manganese	ug/l	--	90
Molybdenum	ug/l	40	<10
Nickel	ug/l	25	<10
Potassium	ug/l	--	2000
Silver	ug/l	0.1	<0.1
Sodium	ug/l	--	13000
Strontium	ug/l	--	122
Thallium	ug/l	0.3 (15)	<1
Titanium	ug/l	--	<10
Vanadium	ug/l	6	1
Zinc	ug/l	30	20
Zirconium	ug/l	4 (12)	1
Semi-VOCs			
Methyl Isobutyl Ketone	ug/l	--	--
Acrolein	ug/l	0.03	--
Acrylonitrile	ug/l	--	--
Styrene	ug/l	4 (15)	--

Parameter	Unit	(2) (1) PWQO	SW99-3 11/22/2001
VOCs			
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--
1,1,1-Trichloroethane	ug/l	10 (16)	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6
1,1,2-Trichloroethane	ug/l	800	--
1,1-Dichloroethane	ug/l	200	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5
1,2-Dibromoethane	ug/l	5 (12)	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4
1,2-Dichloroethane	ug/l	100	--
1,2-Dichloropropane	ug/l	0.7 (12)	--
1,3,5-Trimethylbenzene	ug/l	--	--
1,3-Dichlorobenzene	ug/l	2.5	--
1,4-Dichlorobenzene	ug/l	4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<20
2-Chloroethyl Vinyl Ether	ug/l	--	--
Acetone	ug/l	--	<100
Benzene	ug/l	100 (15)	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.3
Bromoform	ug/l	60 (12)	--
Bromomethane	ug/l	0.9 (17)	--
Carbon Tetrachloride	ug/l	--	--
Chlorobenzene	ug/l	15 (18)	<0.2
Chloroethane	ug/l	--	<1
Chloroform	ug/l	--	<0.5
Chloromethane	ug/l	700 (12)	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	<0.4
cis-1,3-Dichloropropene	ug/l	--	--
Dibromochloromethane	ug/l	40 (12)	--
Ethylbenzene	ug/l	8	<0.5
m,p-Xylenes	ug/l	--	<1
Methylene Chloride	ug/l	100 (20)	<4
o-Xylene	ug/l	40 (15)	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.3
Toluene	ug/l	0.8	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	--
Trichloroethene	ug/l	20	<0.3
Trichlorofluoromethane	ug/l	--	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5

Parameter	Unit	(2) (1) PWQO	SW99-4 4/27/1999	SW99-4 9/29/1999	SW99-4 11/25/1999	SW99-4 5/31/2000	SW99-4 10/14/2000	SW99-4 12/7/2000	SW99-4 5/23/2001	SW99-4 9/11/2001
General Chemistry										
Alkalinity as CaCO3	mg/l	-- (3)	180	22	307	225	316	329	229	330
Ammonia, unionized	ug/l	20	0.33	0.46	0.192	0.071	0.361	0.223	0.086	0.177
Ammonia Nitrogen	ug/l	--	<100	440	<100	<20	210	540	50	130
Biologic Oxygen Demand, Five Day	ug/l	--	11000	9000	7000	1000	4000	10000	2000	<1000
Bromide	ug/l	--	<100	<350	<350	<50	<50	120	<50	100
Chemical Oxygen Demand	ug/l	--	72000	100000	65000	71000	59000	81000	31000	47000
Chloride	ug/l	--	23000	64000	39400	27000	34000	48000	35000	39000
Chromium (III)	ug/l	8.9 (4)	--	--	--	<10	<10	<10	<1	<3
Color	color unit	--	56	8	<10	40	30	25	36	108
Conductivity (Field)	us/cm	--	300	920	510	730	770	1020	800	720
Cyanide	ug/l	5 (5)	<5	<20	<20	<20	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- (6)	**1.6**	**2**	**1.2**	**2.2**	**1.7**	**0.82**	**3.1**	**1.8**
Fluoride	ug/l	--	120	<100	400	150	170	160	170	210
Hardness, Calcium Carbonate	ug/l	--	200000	584930	435370	358000	366000	402000	371000	328000
Nitrate	ug/l	--	<100	300	<100	<100	<100	<100	<100	<100
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100	<100
Nitrogen, Organic	ug/l	--	--	--	--	<590	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	4000	2500	1100	590	1080	1540	660	1430
pH (Field)	-	8.5	7.1	6.7	7.1	7.1	6.9	6.67	6.9	6.6
Phosphate	ug/l	--	<20	<10	<10	<10	<30	80	<30	40
Phosphorus	ug/l	-- (7)	**710**	**220**	**110**	30	**180**	**150**	30	**60**
Sulfate	ug/l	--	33000	618000	116000	119000	13000	27000	136000	5000
Temperature (Field)	deg c	-- (8)	14.5	11.5	7.5	15.5	12	0.8	12	18
Turbidity	ntu	-- (9)	140	35.5	57.2	1.7	67	51	2.8	8.9
Metals										
Aluminum, Dissolved	ug/l	-- (10)	**280**	60	20	<50	<50	80	<50	<50
Arsenic	ug/l	100	<5	<2	<2	<1	1	<1	<1	<1
Barium	ug/l	--	130	60	143	90	140	170	80	90
Beryllium	ug/l	-- (11)	<1	<1	<1	<2	<2	<2	<2	<2
Boron	ug/l	200 (12)	**470**	**345**	**262**	100	120	110	60	100
Cadmium	ug/l	0.2 (12)	<0.08	<0.2	<0.2	<1.5	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	59000	181000	132000	112000	110000	123000	117000	95000
Chromium	ug/l	-- (13)	<2	7	<5	<10	<10	<10	<1	3
Cobalt	ug/l	0.9	0.8	**9.5**	**1.4**	**1.1**	**2.2**	**3.1**	0.7	0.7
Copper	ug/l	5	**85**	<0.2	<0.2	<5	3	1	<1	<1
Hexavalent Chromium	ug/l	1 (4)	--	--	--	<10	<10	<10	<1	<3
Iron	ug/l	300	**20000**	**20100**	**9060**	**930**	**8700**	**9630**	**1150**	**1400**
Lead	ug/l	-- (14)	<0.6	<2	<2	--	<1	<1	<1	<1
Magnesium	ug/l	--	12000	32300	25700	19000	22000	23000	19000	22000
Manganese	ug/l	--	140	359	910	140	530	1260	380	710
Molybdenum	ug/l	40	<10	<6	<6	<10	<10	<10	<10	<10
Nickel	ug/l	25	<4	20	<10	<10	<10	<10	<10	<10
Potassium	ug/l	--	3100	7000	8000	4000	5000	6000	4000	6000
Silver	ug/l	0.1	**0.25**	<0.2	0.1	**0.2**	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	16000	20700	13900	18000	19000	20000	18000	22000
Strontium	ug/l	--	130	297	291	168	224	268	183	203
Thallium	ug/l	0.3 (15)	<0.2	<2	<2	<1	<1	<1	<1	<1
Titanium	ug/l	--	10	<3	<3	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<2	5.9	2.8	<2	<1	<1	<1	1
Zinc	ug/l	30	**44**	**107**	21	<10	<10	<10	<10	<10
Zirconium	ug/l	4 (12)	<2	<3	**8**	<100	<10	<10	2	1
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	<20	<20	--	--	--
Acrolein	ug/l	0.03	<100	<10	<10	--	--	--	--	--
Acrylonitrile	ug/l	--	<100	<5	<5	--	--	--	--	--
Styrene	ug/l	4 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--

Parameter	Unit	(2) (1) PWQO	SW99-4 4/27/1999	SW99-4 9/29/1999	SW99-4 11/25/1999	SW99-4 5/31/2000	SW99-4 10/14/2000	SW99-4 12/7/2000	SW99-4 5/23/2001	SW99-4 9/11/2001
VOCs										
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	--	<0.6	<0.6	<0.6	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	<0.5	<0.5	<0.5	<0.4	<0.4	<0.4	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<1	<0.6	<0.6	<0.6	<0.6	<0.6
1,1,2-Trichloroethane	ug/l	800	<0.5	<0.5	<0.5	<0.4	<0.4	<0.4	--	--
1,1-Dichloroethane	ug/l	200	0.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	<0.5	<0.5	<0.5	<1	<1	<1	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<0.5	<1	<1	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.5	<0.5	<0.5	<0.7	<0.7	<0.7	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	<0.5	<0.5	<0.5	<0.7	<0.7	<0.7	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	<0.3	0.7	<0.3	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<0.5	<1	<1	<0.4	--	--
1,4-Dichlorobenzene	ug/l	4	<0.5	<0.5	<0.5	<1	<1	<0.4	<0.4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<5	<10	<10	<20	<20	--	<20	<20
2-Chloroethyl Vinyl Ether	ug/l	--	<5	<10	<10	--	--	--	--	--
Acetone	ug/l	--	<20	<20	<10	<100	<100	--	<100	<100
Benzene	ug/l	100 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.5	<0.2	<0.2	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (12)	<0.5	<0.2	<0.2	<0.4	<0.4	<0.4	--	--
Bromomethane	ug/l	0.9 (17)	<1.3	<3	<3	<0.5	<0.5	<0.5	--	--
Carbon Tetrachloride	ug/l	--	<0.5	<1	<1	<0.9	<0.9	<0.9	--	--
Chlorobenzene	ug/l	15 (18)	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<5	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	--	<0.5	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (12)	<5	<2	<2	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	1.1	<1	<1	<0.4	<0.4	0.5	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.5	<0.14	<0.14	<0.2	<0.2	<0.2	--	--
Dibromochloromethane	ug/l	40 (12)	<0.5	<0.2	<0.2	<0.3	<0.3	<0.3	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	1	<0.5	<0.5	<1	<1	<1
Methylene Chloride	ug/l	100 (20)	<1	<1	<1	<4	<0.4	<4	<4	<4
o-Xylene	ug/l	40 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.5	<0.5	<0.5	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	**1**	<0.5	**3.1**	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.5	<1	<1	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	<0.5	<0.14	<0.14	<0.2	<0.2	<0.2	--	--
Trichloroethene	ug/l	20	0.7	1	3.4	<0.3	<0.3	0.6	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<5	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameter	Unit	(2) (1) PWQO	SW99-4 11/22/2001
General Chemistry			
Alkalinity as CaCO3	mg/l	-- (3)	250
Ammonia, unionized	ug/l	20	0.04
Ammonia Nitrogen	ug/l	--	210
Biologic Oxygen Demand, Five Day	ug/l	--	3000
Bromide	ug/l	--	100
Chemical Oxygen Demand	ug/l	--	28000
Chloride	ug/l	--	34000
Chromium (III)	ug/l	8.9 (4)	<4
Color	color unit	--	20
Conductivity (Field)	us/cm	--	425
Cyanide	ug/l	5 (5)	<5
Dissolved Oxygen (Field)	mg/l	-- (6)	**2.77**
Fluoride	ug/l	--	540
Hardness, Calcium Carbonate	ug/l	--	305000
Nitrate	ug/l	--	<100
Nitrite	ug/l	--	<100
Nitrogen, Organic	ug/l	--	--
Nitrogen, Total Kjeldahl	ug/l	--	1190
pH (Field)	-	8.5	6.11
Phosphate	ug/l	--	<30
Phosphorus	ug/l	-- (7)	**60**
Sulfate	ug/l	--	65000
Temperature (Field)	deg c	-- (8)	6
Turbidity	ntu	-- (9)	14
Metals			
Aluminum, Dissolved	ug/l	-- (10)	<50
Arsenic	ug/l	100	<1
Barium	ug/l	--	80
Beryllium	ug/l	-- (11)	<2
Boron	ug/l	200 (12)	110
Cadmium	ug/l	0.2 (12)	<0.1
Calcium	ug/l	--	89000
Chromium	ug/l	-- (13)	4
Cobalt	ug/l	0.9	**2.8**
Copper	ug/l	5	<1
Hexavalent Chromium	ug/l	1 (4)	<4
Iron	ug/l	300	**1570**
Lead	ug/l	-- (14)	<1
Magnesium	ug/l	--	20000
Manganese	ug/l	--	270
Molybdenum	ug/l	40	<10
Nickel	ug/l	25	<10
Potassium	ug/l	--	4000
Silver	ug/l	0.1	<0.1
Sodium	ug/l	--	18000
Strontium	ug/l	--	165
Thallium	ug/l	0.3 (15)	<1
Titanium	ug/l	--	<10
Vanadium	ug/l	6	1
Zinc	ug/l	30	<10
Zirconium	ug/l	4 (12)	1
Semi-VOCs			
Methyl Isobutyl Ketone	ug/l	--	--
Acrolein	ug/l	0.03	--
Acrylonitrile	ug/l	--	--
Styrene	ug/l	4 (15)	--

Parameter	Unit	(2) (1) PWQO	SW99-4 11/22/2001
VOCs			
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--
1,1,1-Trichloroethane	ug/l	10 (16)	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6
1,1,2-Trichloroethane	ug/l	800	--
1,1-Dichloroethane	ug/l	200	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5
1,2-Dibromoethane	ug/l	5 (12)	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4
1,2-Dichloroethane	ug/l	100	--
1,2-Dichloropropane	ug/l	0.7 (12)	--
1,3,5-Trimethylbenzene	ug/l	--	--
1,3-Dichlorobenzene	ug/l	2.5	--
1,4-Dichlorobenzene	ug/l	4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<20
2-Chloroethyl Vinyl Ether	ug/l	--	--
Acetone	ug/l	--	<100
Benzene	ug/l	100 (15)	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.3
Bromoform	ug/l	60 (12)	--
Bromomethane	ug/l	0.9 (17)	--
Carbon Tetrachloride	ug/l	--	--
Chlorobenzene	ug/l	15 (18)	<0.2
Chloroethane	ug/l	--	<1
Chloroform	ug/l	--	<0.5
Chloromethane	ug/l	700 (12)	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	<0.4
cis-1,3-Dichloropropene	ug/l	--	--
Dibromochloromethane	ug/l	40 (12)	--
Ethylbenzene	ug/l	8	<0.5
m,p-Xylenes	ug/l	--	<1
Methylene Chloride	ug/l	100 (20)	<4
o-Xylene	ug/l	40 (15)	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.3
Toluene	ug/l	0.8	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	--
Trichloroethene	ug/l	20	<0.3
Trichlorofluoromethane	ug/l	--	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5

Parameter	Unit	(2) (1) PWQO	SW99-5 3/2/1999	SW99-5 4/27/1999	SW99-5 9/29/1999	SW99-5 11/25/1999	SW99-5 5/31/2000	SW99-5 10/14/2000	SW99-5 12/6/2000	SW99-5 5/23/2001
General Chemistry										
Alkalinity as CaCO3	mg/l	-- (3)	190	400	285	473	78	315	376	318
Ammonia, unionized	ug/l	20	0.104	5.485	0.729	4.592	1.977	0.58	0.294	0.377
Ammonia Nitrogen	ug/l	--	<100	1600	190	2900	250	230	530	110
Biologic Oxygen Demand, Five Day	ug/l	--	20000	2000	<2000	6000	3000	4000	6000	4000
Bromide	ug/l	--	<100	<100	<350	<350	110	<50	<50	<50
Chemical Oxygen Demand	ug/l	--	850000	10000	29000	36000	29000	59000	37000	36000
Chloride	ug/l	--	35000	55000	67000	73200	46000	42000	40000	38000
Chromium (III)	ug/l	8.9 (4)	--	--	--	--	<10	<10	<10	<1
Color	color unit	--	800	26	19.7	<10	38	29	23	34
Conductivity (Field)	us/cm	--	540	650	1050	720	940	880	1000	890
Cyanide	ug/l	5 (5)	<5	<5	--	<20	<20	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- (6)	15	**0.9**	**5.9**	**0.9**	**5.4**	**2.4**	**2.17**	**3.8**
Fluoride	ug/l	--	<100	160	<100	600	160	170	160	170
Hardness, Calcium Carbonate	ug/l	--	870000	410000	726210	578500	503000	368000	398000	321000
Nitrate	ug/l	--	1100	<100	300	<100	<100	<100	<100	<100
Nitrite	ug/l	--	<100	<100	<100	<100	<100	<100	<100	<100
Nitrogen, Organic	ug/l	--	--	--	--	--	<50	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	27000	1900	1200	2800	250	1260	1480	1890
pH (Field)	-	8.5	7.1	7.2	7.3	7	7.4	7.1	6.81	7.2
Phosphate	ug/l	--	20	<20	--	<10	<10	<30	<30	<30
Phosphorus	ug/l	-- (7)	**5500**	20	**80**	**60**	**40**	**120**	**90**	**160**
Sulfate	ug/l	--	62000	35000	357000	76500	40000	13000	11000	27000
Temperature (Field)	deg c	-- (8)	0	12	10.5	8	17	11	0.5	12
Turbidity	ntu	-- (9)	1100	110	4.7	134	5	67	40	8.3
Metals										
Aluminum, Dissolved	ug/l	-- (10)	**180000**	**80**	**130**	60	<50	<50	<50	<50
Arsenic	ug/l	100	11	<5	4	<2	<1	1	<1	<1
Barium	ug/l	--	3300	290	194	227	190	140	170	160
Beryllium	ug/l	-- (11)	12	<1	<1	<1	<2	<2	<2	<2
Boron	ug/l	200 (12)	200	190	**479**	**297**	200	110	130	150
Cadmium	ug/l	0.2 (12)	**14**	<0.08	<0.2	**0.7**	<1.5	<0.1	<0.1	<0.1
Calcium	ug/l	--	230000	120000	228000	174000	147000	111000	118000	92000
Chromium	ug/l	-- (13)	250	<2	6	<5	<10	<10	<10	<1
Cobalt	ug/l	0.9	**120**	<0.1	**1.1**	**1.6**	<4	**2.2**	**1.1**	0.2
Copper	ug/l	5	**290**	5	3.6	**7.9**	<5	4	3	<1
Hexavalent Chromium	ug/l	1 (4)	--	--	--	--	<10	<10	<10	<1
Iron	ug/l	300	**150000**	**9400**	**2490**	**14700**	**910**	**8500**	**5470**	**1240**
Lead	ug/l	-- (14)	300	6.8	6	2	--	<1	2	1
Magnesium	ug/l	--	71000	27000	38100	35000	33000	22000	25000	22000
Manganese	ug/l	--	15000	310	198	627	260	560	1820	490
Molybdenum	ug/l	40	<10	<10	<6	<6	<10	<10	<10	<10
Nickel	ug/l	25	**230**	<4	<10	<10	<10	<10	<10	<10
Potassium	ug/l	--	21000	6500	8000	9000	10000	5000	7000	6000
Silver	ug/l	0.1	**3.6**	<0.1	<0.1	<0.1	**0.2**	<0.1	<0.1	<0.1
Sodium	ug/l	--	18000	24000	21400	27300	25000	18000	19000	25000
Strontium	ug/l	--	370	340	546	435	375	227	273	263
Thallium	ug/l	0.3 (15)	<0.2	<0.2	<2	<2	<1	<1	<1	<1
Titanium	ug/l	--	3700	<10	<3	<3	<10	<10	<10	<10
Vanadium	ug/l	6	**270**	<2	2	4	<2	<1	1	<1
Zinc	ug/l	30	**2500**	**35**	**91**	**113**	30	<10	30	10
Zirconium	ug/l	4 (12)	<2	<2	<3	<3	<100	<10	**590**	3
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	<20	<20	--	--
Acrolein	ug/l	0.03	<100	<100	<10	<10	--	--	--	--
Acrylonitrile	ug/l	--	<100	<100	<5	<5	--	--	--	--
Styrene	ug/l	4 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--

Parameter	Unit	(2) (1) PWQO	SW99-5 3/2/1999	SW99-5 4/27/1999	SW99-5 9/29/1999	SW99-5 11/25/1999	SW99-5 5/31/2000	SW99-5 10/14/2000	SW99-5 12/6/2000	SW99-5 5/23/2001
VOCs										
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	--	--	<0.6	<0.6	<0.6	--
1,1,1-Trichloroethane	ug/l	10 (16)	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4	<0.4	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<1	<0.6	<0.6	<0.6	<0.6
1,1,2-Trichloroethane	ug/l	800	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4	<0.4	--
1,1-Dichloroethane	ug/l	200	<0.5	<0.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	--
1,2-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.5	<0.5	<0.5	<0.5	<0.7	<0.7	<0.7	--
1,2-Dichloropropane	ug/l	0.7 (12)	<0.5	<0.5	<0.5	<0.5	<0.7	<0.7	<0.7	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	<0.3	2.2	<0.3	--
1,3-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.4	--
1,4-Dichlorobenzene	ug/l	4	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<5	<5	<10	<10	<20	<20	--	<20
2-Chloroethyl Vinyl Ether	ug/l	--	<5	<5	<10	<10	--	--	--	--
Acetone	ug/l	--	<20	<20	<20	<10	<100	<100	--	<100
Benzene	ug/l	100 (15)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.5	<0.5	<0.2	<0.2	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (12)	<0.5	<0.5	<0.2	<0.2	<0.4	<0.4	<0.4	--
Bromomethane	ug/l	0.9 (17)	<1.3	<1.3	<3	<3	<0.5	<0.5	<0.5	--
Carbon Tetrachloride	ug/l	--	<0.5	<0.5	<1	<1	<0.9	<0.9	<0.9	--
Chlorobenzene	ug/l	15 (18)	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<5	<5	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	--	<0.5	<0.5	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (12)	<5	<5	<2	<2	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	<0.5	3.8	<1	20	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.5	<0.5	<0.14	<0.14	<0.2	<0.2	<0.2	--
Dibromochloromethane	ug/l	40 (12)	<0.5	<0.5	<0.2	<0.2	<0.3	<0.3	<0.3	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<1	<1
Methylene Chloride	ug/l	100 (20)	<1	<1	<1	<1	<4	<4	<4	<4
o-Xylene	ug/l	40 (15)	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.5	<0.5	<0.5	<0.5	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	0.8	<0.5	**2.5**	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.5	<0.5	<1	<1	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	<0.5	<0.5	<0.14	<0.14	<0.2	<0.2	<0.2	--
Trichloroethene	ug/l	20	<0.5	1.3	<0.5	7.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<5	<5	<2	<2	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5	9.4	<0.5	9.9	<0.5	<0.5	<0.5	<0.5

Parameter	Unit	[2] [1] PWQO	SW99-5 9/11/2001	SW99-5 11/22/2001
General Chemistry				
Alkalinity as CaCO3	mg/l	-- [3]	374	293
Ammonia, unionized	ug/l	20	0.11	2.261
Ammonia Nitrogen	ug/l	--	110	340
Biologic Oxygen Demand, Five Day	ug/l	--	10000	<1000
Bromide	ug/l	--	100	100
Chemical Oxygen Demand	ug/l	--	42000	31000
Chloride	ug/l	--	41000	34000
Chromium (III)	ug/l	8.9 [4]	<5	<6
Color	color unit	--	73	27
Conductivity (Field)	us/cm	--	690	750
Cyanide	ug/l	5 [5]	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**2**	**2.41**
Fluoride	ug/l	--	220	570
Hardness, Calcium Carbonate	ug/l	--	341000	311000
Nitrate	ug/l	--	<100	<100
Nitrite	ug/l	--	<100	<100
Nitrogen, Organic	ug/l	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	1790	1180
pH (Field)	-	8.5	6.5	7.66
Phosphate	ug/l	--	50	<30
Phosphorus	ug/l	-- [7]	**90**	**40**
Sulfate	ug/l	--	4000	19000
Temperature (Field)	deg c	-- [8]	17	7
Turbidity	ntu	-- [9]	26	6.6
Metals				
Aluminum, Dissolved	ug/l	-- [10]	<50	<50
Arsenic	ug/l	100	<1	<1
Barium	ug/l	--	260	120
Beryllium	ug/l	-- [11]	<2	<2
Boron	ug/l	200 [12]	**260**	140
Cadmium	ug/l	0.2 [12]	<0.1	<0.1
Calcium	ug/l	--	97000	88000
Chromium	ug/l	-- [13]	5	6
Cobalt	ug/l	0.9	0.2	0.4
Copper	ug/l	5	<1	1
Hexavalent Chromium	ug/l	1 [4]	<5	<6
Iron	ug/l	300	**5760**	70
Lead	ug/l	-- [14]	<1	<1
Magnesium	ug/l	--	24000	22000
Manganese	ug/l	--	560	160
Molybdenum	ug/l	40	<10	<10
Nickel	ug/l	25	<10	<10
Potassium	ug/l	--	6000	6000
Silver	ug/l	0.1	<0.1	<0.1
Sodium	ug/l	--	32000	19000
Strontium	ug/l	--	308	220
Thallium	ug/l	0.3 [15]	<1	<1
Titanium	ug/l	--	<10	<10
Vanadium	ug/l	6	1	2
Zinc	ug/l	30	10	10
Zirconium	ug/l	4 [12]	<1	2
Semi-VOCs				
Methyl Isobutyl Ketone	ug/l	--	--	--
Acrolein	ug/l	0.03	--	--
Acrylonitrile	ug/l	--	--	--
Styrene	ug/l	4 [15]	--	--

Parameter	Unit	(2) (1) PWQO	SW99-5 9/11/2001	SW99-5 11/22/2001
VOCs				
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6
1,1,2-Trichloroethane	ug/l	800	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 (12)	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<20	<20
2-Chloroethyl Vinyl Ether	ug/l	--	--	--
Acetone	ug/l	--	<100	<100
Benzene	ug/l	100 (15)	<0.5	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.3	<0.3
Bromoform	ug/l	60 (12)	--	--
Bromomethane	ug/l	0.9 (17)	--	--
Carbon Tetrachloride	ug/l	--	--	--
Chlorobenzene	ug/l	15 (18)	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1
Chloroform	ug/l	--	<0.5	<0.5
Chloromethane	ug/l	700 (12)	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--
Dibromochloromethane	ug/l	40 (12)	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1
Methylene Chloride	ug/l	100 (20)	<4	<4
o-Xylene	ug/l	40 (15)	<0.5	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	--	--
Trichloroethene	ug/l	20	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5	<0.5

Parameter	Unit	[2] [1] PWQO	SW99-6 4/27/1999	SW99-6 9/29/1999	SW99-6 11/25/1999	SW99-6 5/31/2000	SW99-6 [22] 10/14/2000	SW99-6 12/7/2000	SW99-6 12/7/2000 SW99-6-FD (Field Duplicate)	SW99-6 5/22/2001
General Chemistry										
Alkalinity as CaCO3	mg/l	-- [3]	200	248	255	205	--	81	--	110
Ammonia, unionized	ug/l	20	2.626	1.451	1.468	2.484	--	0.02	--	0.411
Ammonia Nitrogen	ug/l	--	<100	230	200	290	--	<20	--	140
Biologic Oxygen Demand, Five Day	ug/l	--	15000	<2000	3000	1000	--	15000	--	12000
Bromide	ug/l	--	<100	<350	<350	<50	--	<50	--	<50
Chemical Oxygen Demand	ug/l	--	160000	37000	18000	34000	--	13000	--	77000
Chloride	ug/l	--	6100	13000	13500	3000	--	6000	--	5000
Chromium (III)	ug/l	8.9 [4]	--	--	--	<10	--	<10	--	<1
Color	color unit	--	53	20	<10	35	--	6	--	154
Conductivity (Field)	us/cm	--	260	420	390	395	--	973	--	480
Cyanide	ug/l	5 [5]	<5	<20	<20	<20	--	<5	--	**11**
Dissolved Oxygen (Field)	mg/l	-- [6]	9.6	9.1	10.3	8.5	--	10.28	--	7.6
Fluoride	ug/l	--	110	400	<100	150	--	130	--	160
Hardness, Calcium Carbonate	ug/l	--	210000	316780	273000	223000	--	85000	--	116000
Nitrate	ug/l	--	400	100	700	310	--	690	--	790
Nitrite	ug/l	--	<100	<100	<100	<100	--	<100	--	190
Nitrogen, Organic	ug/l	--	--	--	--	360	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	4900	1000	8700	650	--	2530	--	4080
pH (Field)	-	8.5	8.3	7.5	7.6	7.6	--	7.06	--	7.2
Phosphate	ug/l	--	<20	<10	<20	30	--	110	--	190
Phosphorus	ug/l	-- [7]	**1600**	**40**	**50**	**60**	--	**600**	--	**450**
Sulfate	ug/l	--	9900	33100	25900	10000	--	25000	--	10000
Temperature (Field)	deg c	-- [8]	6	11	10	12	--	0.4	--	10
Turbidity	ntu	-- [9]	490	13.7	2.6	7.7	--	>100	--	13
Metals										
Aluminum, Dissolved	ug/l	-- [10]	**4900**	40	50	<50	--	**1760**	--	<50
Arsenic	ug/l	100	<5	<2	<2	<1	--	<1	--	<1
Barium	ug/l	--	200	42	35	20	--	110	--	20
Beryllium	ug/l	-- [11]	<1	<1	<1	<2	--	<2	--	<2
Boron	ug/l	200 [12]	50	47	36	30	--	<10	--	30
Cadmium	ug/l	0.2 [12]	<0.08	<0.2	**0.3**	<1.5	--	0.2	--	<0.1
Calcium	ug/l	--	59000	92600	81600	66000	--	21000	--	35000
Chromium	ug/l	-- [13]	9	<5	<5	<10	--	<10	--	<1
Cobalt	ug/l	0.9	**7.9**	**1.2**	**1.4**	<4	--	**4.2**	--	0.3
Copper	ug/l	5	**14**	<0.2	<0.2	<5	--	5	--	4
Hexavalent Chromium	ug/l	1 [4]	--	--	--	<10	--	<10	--	<1
Iron	ug/l	300	**90000**	**2520**	**2830**	**1650**	--	**1890**	--	**1630**
Lead	ug/l	-- [14]	<0.6	<2	<2	--	--	3	--	<1
Magnesium	ug/l	--	15000	20800	19900	14000	--	8000	--	7000
Manganese	ug/l	--	6000	456	593	590	--	1150	--	500
Molybdenum	ug/l	40	<10	<6	<6	<10	--	<10	--	<10
Nickel	ug/l	25	<4	<10	<10	<10	--	<10	--	<10
Potassium	ug/l	--	3000	3000	1000	2000	--	2000	--	7000
Silver	ug/l	0.1	**0.28**	<0.1	<0.1	**0.2**	--	<0.1	--	<0.1
Sodium	ug/l	--	4700	6870	5500	4000	--	9000	--	<2000
Strontium	ug/l	--	170	213	189	128	--	64	--	81
Thallium	ug/l	0.3 [15]	<0.2	<2	<2	<1	--	<1	--	<1
Titanium	ug/l	--	270	<3	<3	<10	--	20	--	<10
Vanadium	ug/l	6	**22**	1.2	1.5	<2	--	3	--	<1
Zinc	ug/l	30	**56**	<3	17	<10	--	30	--	<10
Zirconium	ug/l	4 [12]	<2	<3	<3	<100	--	**670**	<100	1
Semi-VOCs										
Methyl Isobutyl Ketone	ug/l	--	--	--	--	<20	--	--	--	--
Acrolein	ug/l	0.03	<100	<10	<10	--	--	--	--	--
Acrylonitrile	ug/l	--	<100	<5	<5	--	--	--	--	--
Styrene	ug/l	4 [15]	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	--

Parameter	Unit	(2) (1) PWQO	SW99-6 4/27/1999	SW99-6 9/29/1999	SW99-6 11/25/1999	SW99-6 5/31/2000	SW99-6 (22) 10/14/2000	SW99-6 12/7/2000	SW99-6 12/7/2000 SW99-6-FD (Field Duplicate)	SW99-6 5/22/2001
VOCs										
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--	--	--	<0.6	--	<0.6	--	--
1,1,1-Trichloroethane	ug/l	10 (16)	<0.5	<0.5	<0.5	<0.4	--	<0.4	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<1	<0.6	--	<0.6	--	<0.6
1,1,2-Trichloroethane	ug/l	800	<0.5	<0.5	<0.5	<0.4	--	<0.4	--	--
1,1-Dichloroethane	ug/l	200	<0.5	<0.4	<0.4	<0.4	--	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	--	--	--	<0.5	--	<0.5	--	<0.5
1,2-Dibromoethane	ug/l	5 (12)	<0.5	<0.5	<0.5	<1	--	<1	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<0.5	<1	--	<0.4	--	<0.4
1,2-Dichloroethane	ug/l	100	<0.5	<0.5	<0.5	<0.7	--	<0.7	--	--
1,2-Dichloropropane	ug/l	0.7 (12)	<0.5	<0.5	<0.5	<0.7	--	<0.7	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	<0.3	--	<0.3	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.5	<0.5	<0.5	<1	--	<0.4	--	--
1,4-Dichlorobenzene	ug/l	4	<0.5	<0.5	<0.5	<1	--	<0.4	--	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<5	<10	<10	<20	--	--	--	<20
2-Chloroethyl Vinyl Ether	ug/l	--	<5	<10	<10	--	--	--	--	--
Acetone	ug/l	--	<20	<20	<10	<100	--	--	--	<100
Benzene	ug/l	100 (15)	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.5	<0.2	<0.2	<0.3	--	<0.3	--	<0.3
Bromoform	ug/l	60 (12)	<0.5	<0.2	<0.2	<0.4	--	<0.4	--	--
Bromomethane	ug/l	0.9 (17)	<1.3	<3	<3	<0.5	--	<0.5	--	--
Carbon Tetrachloride	ug/l	--	<0.5	<1	<1	<0.9	--	<0.9	--	--
Chlorobenzene	ug/l	15 (18)	<0.5	<0.5	<0.5	<0.2	--	<0.2	--	<0.2
Chloroethane	ug/l	--	<5	<1	<1	<1	--	<1	--	<1
Chloroform	ug/l	--	<0.5	<0.2	<0.2	<0.5	--	<0.5	--	<0.5
Chloromethane	ug/l	700 (12)	<5	<2	<2	<1	--	<1	--	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	<0.5	<1	<1	<0.4	--	<0.4	--	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.5	<0.14	<0.14	<0.2	--	<0.2	--	--
Dibromochloromethane	ug/l	40 (12)	<0.5	<0.2	<0.2	<0.3	--	<0.3	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	<0.5	--	<1	--	<1
Methylene Chloride	ug/l	100 (20)	<1	<1	<1	<4	--	<4	--	<4
o-Xylene	ug/l	40 (15)	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.5	<0.5	<0.5	<0.3	--	<0.3	--	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	--	--	--	<0.4	--	<0.4	--	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	<0.5	<0.14	<0.14	<0.2	--	<0.2	--	--
Trichloroethene	ug/l	20	<0.5	<0.5	1.9	<0.3	--	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	<5	<2	<2	<0.5	--	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	<0.5

Parameter	Unit	[2] [1] PWQO	SW99-6 11/22/2001
General Chemistry			
Alkalinity as CaCO3	mg/l	-- [3]	204
Ammonia, unionized	ug/l	20	0.119
Ammonia Nitrogen	ug/l	--	320
Biologic Oxygen Demand, Five Day	ug/l	--	<1000
Bromide	ug/l	--	<50
Chemical Oxygen Demand	ug/l	--	11000
Chloride	ug/l	--	8000
Chromium (III)	ug/l	8.9 [4]	<5
Color	color unit	--	38
Conductivity (Field)	us/cm	--	550
Cyanide	ug/l	5 [5]	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	6.56
Fluoride	ug/l	--	580
Hardness, Calcium Carbonate	ug/l	--	232000
Nitrate	ug/l	--	320
Nitrite	ug/l	--	<100
Nitrogen, Organic	ug/l	--	--
Nitrogen, Total Kjeldahl	ug/l	--	800
pH (Field)	-	8.5	6.37
Phosphate	ug/l	--	<30
Phosphorus	ug/l	-- [7]	30
Sulfate	ug/l	--	35000
Temperature (Field)	deg c	-- [8]	8
Turbidity	ntu	-- [9]	9.9
Metals			
Aluminum, Dissolved	ug/l	-- [10]	<50
Arsenic	ug/l	100	<1
Barium	ug/l	--	30
Beryllium	ug/l	-- [11]	<2
Boron	ug/l	200 [12]	<50
Cadmium	ug/l	0.2 [12]	<0.1
Calcium	ug/l	--	65000
Chromium	ug/l	-- [13]	5
Cobalt	ug/l	0.9	**1.3**
Copper	ug/l	5	1
Hexavalent Chromium	ug/l	1 [4]	<5
Iron	ug/l	300	**1220**
Lead	ug/l	-- [14]	<1
Magnesium	ug/l	--	17000
Manganese	ug/l	--	450
Molybdenum	ug/l	40	<10
Nickel	ug/l	25	<10
Potassium	ug/l	--	2000
Silver	ug/l	0.1	<0.1
Sodium	ug/l	--	4000
Strontium	ug/l	--	127
Thallium	ug/l	0.3 [15]	<1
Titanium	ug/l	--	<10
Vanadium	ug/l	6	2
Zinc	ug/l	30	<10
Zirconium	ug/l	4 [12]	2
Semi-VOCs			
Methyl Isobutyl Ketone	ug/l	--	--
Acrolein	ug/l	0.03	--
Acrylonitrile	ug/l	--	--
Styrene	ug/l	4 [15]	--

Parameter	Unit	(2) (1) PWQO	SW99-6 11/22/2001
VOCs			
1,1,1,2-Tetrachloroethane	ug/l	20 (12)	--
1,1,1-Trichloroethane	ug/l	10 (16)	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6
1,1,2-Trichloroethane	ug/l	800	--
1,1-Dichloroethane	ug/l	200	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5
1,2-Dibromoethane	ug/l	5 (12)	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4
1,2-Dichloroethane	ug/l	100	--
1,2-Dichloropropane	ug/l	0.7 (12)	--
1,3,5-Trimethylbenzene	ug/l	--	--
1,3-Dichlorobenzene	ug/l	2.5	--
1,4-Dichlorobenzene	ug/l	4	<0.4
Metyl Ethyl Ketone	ug/l	400 (12)	<20
2-Chloroethyl Vinyl Ether	ug/l	--	--
Acetone	ug/l	--	<100
Benzene	ug/l	100 (15)	<0.5
Bromodichloromethane	ug/l	200 (12)	<0.3
Bromoform	ug/l	60 (12)	--
Bromomethane	ug/l	0.9 (17)	--
Carbon Tetrachloride	ug/l	--	--
Chlorobenzene	ug/l	15 (18)	<0.2
Chloroethane	ug/l	--	<1
Chloroform	ug/l	--	<0.5
Chloromethane	ug/l	700 (12)	<1
cis-1,2-Dichloroethene	ug/l	200 (19)	<0.4
cis-1,3-Dichloropropene	ug/l	--	--
Dibromochloromethane	ug/l	40 (12)	--
Ethylbenzene	ug/l	8	<0.5
m,p-Xylenes	ug/l	--	<1
Methylene Chloride	ug/l	100 (20)	<4
o-Xylene	ug/l	40 (15)	<0.5
Tetrachloroethylene	ug/l	50 (21)	<0.3
Toluene	ug/l	0.8	<0.5
trans-1,2-Dichloroethene	ug/l	200 (19)	<0.4
trans-1,3-Dichloropropene	ug/l	7 (12)	--
Trichloroethene	ug/l	20	<0.3
Trichlorofluoromethane	ug/l	--	<0.5
Vinyl Chloride	ug/l	600 (12)	<0.5

Footnotes:

Tables should be read in conjunction with the accompanying document.
< value = Indicates parameter not detected above laboratory method detection limit
> value = Indicates parameter detected above equipment analytical range
-- Chemical not analyzed or criteria not defined
(01) Provincial Water Quality Objectives
(02) Bold = Parameter concentration greater than PWQO
(03) Alkalinity should not be decreased by more than 25% of the natural concentration.
(04) Adopted Canadian Water Quality Guidelines.
(05) PWQO is for free cyanide in an unfiltered water sample.
(06) Objective depends on water temperature and biota. Dissolved oxygen concentrations should not be less than the values specified in the PWQO document for cold water biota (e.g. salmonid fish communities) and warm water biota (e.g. centrarchid fish communities).
(07) Current scientific evidence is insufficient to develop a firm Objective at this time. Accordingly, the following phosphorus concentrations should be considered as general guidelines which should be supplemented by site-specific studies: To avoid nuisance concentrations of algae in lakes, average total phosphorus concentrations for the ice-free period should not exceed 20 ug/L; A high level of protection against aesthetic deterioration will be provided by a total phosphorus concentration for the ice-free period of 10 ug/L or less. This should apply to all lakes naturally below this value; Excessive plant growth in rivers and streams should be eliminated at a total phosphorus concentration below 30 ug/L.
(08) (1) General: The natural thermal regime of any body of water shall not be altered so as to impair the quality of the natural environment. In particular, the diversity, distribution and abundance of plant and animal life shall not be significantly changed. (2) Waste Heat Discharge: (a) Ambient Temperature Changes: The temperature at the edge of a mixing zone shall not exceed the natural ambient water temperature at a representative control location by more than 10°C (18°F). However, in special circumstances, local conditions may require a significantly lower temperature difference than 10°C (18°F). Potential dischargers are to apply to the MOEE for guidance as to the allowable temperature rise for each thermal discharge. This ministry will also specify the nature of the mixing zone and the procedure for the establishment of a representative control location for temperature recording on a case-by-case basis. (b) Discharge Temperature Permitted: The maximum temperature of the receiving body of water, at any point in the thermal plume outside a mixing zone, shall not exceed 30°C (86°F) or the temperature of a representative control location plus 10°C (18°F) or the allowed temperature difference, which ever is the lesser temperature. These maximum temperatures are to be measured on a mean daily basis from continuous records. (c) Taking and Discharging of Cooling Water: Users of cooling water shall meet both the Objectives for temperature outlined above and the "Procedures for the Taking and Discharge of Cooling Water" as outlined in the MOEE publication Deriving Receiving-Water Based, Point-Source Effluent Requirements for Ontario Waters(1994).
(09) Suspended matter should not be added to surface water in concentrations that will change the natural Secchi disc reading by more than 10 percent.
(10) At pH 4.5 to 5.5 the Interim PWQO is 15 µg/L based on inorganic monomeric aluminum measure in clay-free samples; At pH > 5.5 to 6.5, no condition should be permitted which would increase the acid soluble inorganic aluminum concentration in clay-free samples to more than 10% above natural background concentrations for waters representative of that geological area of the Province that are unaffected by man-made inputs. At pH > 6.5 to 9.0, the Interim PWQO is 75 µg/L based on total aluminum measured in clay-free samples. If natural background aluminum concentrations in water bodies unaffected by man-made inputs are greater than the numerical Interim PWQO (above), no condition is permitted that would increase the aluminum concentration in clay-free samples by more than 10% of the natural background level. Note: pH values of < 6.5 and > 8.5 are outside the range considered acceptable by the PWQO for pH. See the Scientific Criteria Document for Development of Provincial Water Quality Objectives and Guidelines - Aluminum for a discussion of analytical procedures.
(11) If hardness as CaCO3 < 75 mg/L, PWQO = 11 µg/L; if hardness as CaCO3 > 75 mg/L, PWQO = 1100 µg/L.
(12) See Section 1.2.3. of PWQO. This Interim PWQO was set for emergency purposes based on the best information readily available. Employ due caution when applying this value.
(13) PWQO values for Cr(III) = 8.9 µg/L and Cr(VI) = 1 µg/L
(14) If Alkalinity as CaCO3 < 20 mg/L, PWQO = 5 µg/L; if alkalinity as CaCO3 from 20 to 40 mg/L, PWQO = 10 µg/L; if alkalinity as CaCO3 from 40 to 80 mg/L, PWQO = 20 µg/L; if alkalinity as CaCO3 > 80 mg/L, PWQO = 25 ug/L.
(15) See Section 1.2.2. of PWQO. This Interim PWQO is currently under development. The value is subject to change upon publication by MOEE.
(16) See Section 1.2.3. This Interim PWQO was set for emergency purposes based on the best information readily available. Employ due caution when applying this value.
(17) synonym - methyl bromide. See Section 1.2.3. This Interim PWQO was set for emergency purposes based on the best information readily available. Employ due caution when applying this value.
(18) Common synonym - monochlorobenzene.
(19) Interim PWQO applies to both the cis & trans 1,2-dichloroethylene.
(20) Common synonym - dichloromethane. See Section 1.2.3. of PWQO. This Interim PWQO was set for emergency purposes based on the best information readily available. Employ due caution when applying this value.
(21) Synonym-perchloroethylene or perc.
(22) Monitoring location was dry during this sampling event. No sample was collected.

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Parameter	Unit	(2) (1) PWQO	BD-03-M2 19-Apr-2002	BD-03-M2 16-Sep-2002	BD-03-M2 11-Nov-2002	BD-03-M2 03-May-2003	BD-03-M2 24-Nov-2003	BD-03-M2 07-Apr-2004
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	215	181	149	210	195	191
Ammonia, unionized	ug/l	20	6.32	0.91	0.08	2.4	0.15	1
Ammonia Nitrogen	mg/l	--	0.69	0.05	<0.02	0.28	0.26	0.53
Biologic Oxygen Demand, Five Day	mg/l	--	1	<1	<1	<1	<1	<0.5
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
Chemical Oxygen Demand	mg/l	--	13	15	26	13	28	13
Chloride	mg/l	--	35	468	159	60	29	49.2
Color	color unit	--	29	18	40	33	36	30
Conductivity (Field)	uS/cm	--	510	390	460	510	445	510
Cyanide	ug/l	5(6)	<5	<5	<5	<5	<5	<1
Dissolved Oxygen (Field)	mg/l	--(7)	7.68	**4.29**	**4.92**	**5.82**	**4.88**	9.57
Fluoride	mg/l	--	0.55	0.18	0.3	0.14	0.11	<0.1
Hardness, Calcium Carbonate	mg/l	--	215	603	197	272	221	209.7
Nitrate as N	mg/l	--	0.29	0.45	0.14	0.21	0.35	0.4
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
Nitrogen, Nitrate-Nitrite	mg/l	--	--	<0.55	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.54	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	1.26	0.59	0.66	0.83	0.73	0.87
pH (Field)	-	8.5	7.4	7.8	7.5	7.6	6.7	7.2
Phosphate	mg/l	--	<0.03	0.1	0.07	0.05	<0.03	<1
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	10	**330**	20	20	30	16
Sulfate	mg/l	--	25	231	78	29	29	18
Temperature (Field)	deg c	--(9)	19	16	5	12	4	4.5
Turbidity	ntu	--(10)	1.6	4.1	2.1	1.5	1.8	1.6
Metals								
Aluminum, dissolved	ug/l	--(11)	<50	<10	<10	<10	<10	<5
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<2
Barium	mg/l	--	0.03	0.09	0.04	0.04	0.03	0.034
Beryllium	ug/l	--(12)	<2	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	<50	50	<50	<50	30	25
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	58	182	54	71	59	57.2
Chromium	ug/l	--(14)	<1	<1	<5	5	<1	<5
Cobalt	ug/l	0.9	0.2	0.5	0.2	0.2	<0.2	0.1
Copper	ug/l	5	1	3	2	2	2	1.4
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	--
Iron	ug/l	300	70	250	210	260	120	**370**
Lead	ug/l	--(16)	<1	<1	<1	<1	<1	<0.5
Magnesium	mg/l	--	17	36	15	23	18	16.2
Manganese	mg/l	--	0.1	0.314	0.035	0.034	0.03	0.062
Molybdenum	ug/l	40	<10	<5	<5	<5	<5	<1
Nickel	ug/l	25	<10	<5	<5	<5	<5	<1
Potassium	mg/l	--	2	4	4	2	3	1.6
Silver	ug/l	0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	22	257	118	36	20	23.5
Strontium	mg/l	--	0.146	0.438	0.153	0.193	0.171	0.133
Thallium	ug/l	0.3(17)	<1	<1	<1	<1	<1	<0.05
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005
Vanadium	ug/l	6	<1	<1	<1	2	<1	<0.5
Zinc	ug/l	30	<10	<5	<5	<5	<10	**39**
Zirconium	ug/l	4(13)	<1	**6**	1	**7**	<10	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	<0.1
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	<0.1
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6	<0.6	<0.6	<0.6	<0.2
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	<0.2
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.1
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	<0.2
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.1
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	<0.1
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	<0.1
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	<0.1

Parameter	Unit	(2) (1) PWQO	BD-03-M2 19-Apr-2002	BD-03-M2 16-Sep-2002	BD-03-M2 11-Nov-2002	BD-03-M2 03-May-2003	BD-03-M2 24-Nov-2003	BD-03-M2 07-Apr-2004
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.1
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	<20	<20	<20	<5
2-Hexanone	ug/l	--	--	--	--	--	--	<5
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	<5
Acetone	ug/l	--	<100	<100	<100	<100	<100	<10
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.1
Bromoform	ug/l	60 (13)	--	--	--	--	--	<0.2
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	<0.5
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	<0.1
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1
Chloroethane	ug/l	--	<1	<1	<1	<1	<1	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1
Chloromethane	ug/l	700 (13)	<1	<1	<1	<1	<1	<0.5
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.1
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	<0.2
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	<0.2
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1
m,p-Xylenes	ug/l	--	<1	<1	<1	<1	<1	<0.1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	<0.2
Methylene Chloride	ug/l	100 (22)	<4	<4	<4	<4	<4	<0.5
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1
Styrene	ug/l	4 (17)	--	--	--	--	--	<0.1
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.1
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.1
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	<0.2
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.1
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2
Vinyl Chloride	ug/l	600 (13)	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2

Parameter	Unit	(2) (1) PWQO	BD-03-M2 24-Sep-2004	BD-03-M2 28-Nov-2004	BD-03-M2 18-Apr-2005	BD-03-M2 25-Sep-2005	BD-03-M2 06-Dec-2005	BD-03-M2 31-May-2006
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	305	208	243	158	245	245
Ammonia, unionized	ug/l	20	0.22	0.05	0.85	0.13	0.95	0.32
Ammonia Nitrogen	mg/l	--	0.06	0.04	0.25	0.04	0.45	0.07
Biologic Oxygen Demand, Five Day	mg/l	--	1.9	1	<1	4	3	2
Bromide	mg/l	--	<0.5	<0.5	<0.05	<0.05	<0.05	<0.05
Chemical Oxygen Demand	mg/l	--	30	21	11	17	<5	18
Chloride	mg/l	--	38.5	32.8	67	43	31	46
Color	color unit	--	36	66	18	23	15	47
Conductivity (Field)	uS/cm	--	490	500	615	615	665	595
Cyanide	ug/l	5(6)	<1	<1	<5	<5	<5	**7**
Dissolved Oxygen (Field)	mg/l	--(7)	8.88	9.21	10.41	11.41	11.62	11.88
Fluoride	mg/l	--	0.1	<0.1	0.16	0.21	0.13	<0.1
Hardness, Calcium Carbonate	mg/l	--	307.2	217.1	292	171	250	241
Nitrate as N	mg/l	--	0.8	0.4	0.12	<0.1	0.18	<0.1
Nitrite as N	mg/l	--	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.69	0.48	0.48	1.15	0.66	0.56
pH (Field)	-	8.5	7.3	7.1	7.4	7.3	7.3	7.5
Phosphate	mg/l	--	<1	<1	0.05	0.1	0.1	0.09
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	26	18	30	**70**	**50**	**50**
Sulfate	mg/l	--	19.3	19.8	19	16	18	12
Temperature (Field)	deg c	--(9)	10	3	6	8	3	7
Turbidity	ntu	--(10)	1.5	2.2	1.4	6.2	0.8	3.9
Metals								
Aluminum, dissolved	ug/l	--(11)	<5	7	<10	<10	<10	<10
Arsenic	ug/l	100	<2	<2	<1	<1	<1	<1
Barium	mg/l	--	0.051	0.033	0.03	0.03	0.03	0.04
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	69	19	30	50	30	40
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	84.8	57.7	79	42	67	65
Chromium	ug/l	--(14)	<5	<5	<1	1	1	<1
Cobalt	ug/l	0.9	0.3	<0.1	0.2	<0.2	<0.2	0.3
Copper	ug/l	5	2.2	1.2	<1	<1	1	<1
Hexavalent Chromium	ug/l	1(15)	--	--	<50	<50	<50	<50
Iron	ug/l	300	**310**	290	70	220	140	**670**
Lead	ug/l	--(16)	<0.5	<0.5	<1	<1	<1	<1
Magnesium	mg/l	--	23.1	17.7	23	16	20	19
Manganese	mg/l	--	0.085	0.048	0.07	0.04	0.03	0.06
Molybdenum	ug/l	40	<1	<1	<5	<5	<5	<5
Nickel	ug/l	25	1	<1	<5	<5	<5	<5
Potassium	mg/l	--	2.9	2.1	2	3	1	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	23.6	19.9	36	25	21	30
Strontium	mg/l	--	0.254	0.166	0.18	0.198	0.164	0.213
Thallium	ug/l	0.3(17)	<0.05	<0.05	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	<0.5	<0.5	<1	<1	2	<1
Zinc	ug/l	30	5	<5	<10	<10	<10	<10
Zirconium	ug/l	4(13)	<1	<1	<10	<10	<1	<5
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	<0.1	<0.6	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	<0.1	<0.4	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	<0.2	<0.6	--	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	<0.2	<0.4	--	--	--
1,1-Dichloroethane	ug/l	200	--	<0.1	<0.4	--	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	--	<0.1	<0.5	--	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	<0.2	<1	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	<0.1	<0.4	--	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	<0.1	<0.5	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	<0.1	<0.7	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	<0.3	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	<0.1	<0.4	--	--	--

Parameter	Unit	(2) (1) PWQO	BD-03-M2 24-Sep-2004	BD-03-M2 28-Nov-2004	BD-03-M2 18-Apr-2005	BD-03-M2 25-Sep-2005	BD-03-M2 06-Dec-2005	BD-03-M2 31-May-2006
1,4-Dichlorobenzene	ug/l	4	--	<0.1	<0.4	--	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 (13)	--	<5	--	--	<20	<20
2-Hexanone	ug/l	--	--	<5	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	<5	--	--	--	--
Acetone	ug/l	--	--	<10	--	--	<100	<100
Benzene	ug/l	100 (17)	--	<0.1	<0.5	--	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	--	<0.1	<0.3	--	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	<0.2	<0.4	--	--	--
Bromomethane	ug/l	0.9 (19)	--	<0.5	<0.5	--	--	--
Carbon Tetrachloride	ug/l	--	--	<0.1	<0.5	--	--	--
Chlorobenzene	ug/l	15 (20)	--	<0.1	<0.2	--	<0.2	<0.2
Chloroethane	ug/l	--	--	<0.2	<1	--	<1	<1
Chloroform	ug/l	--	--	<0.1	<0.5	--	<0.5	<0.5
Chloromethane	ug/l	700 (13)	--	<0.5	<1	--	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (21)	--	<0.1	<0.4	--	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	<0.2	<0.2	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	<0.2	<0.3	--	--	--
Ethylbenzene	ug/l	8	--	<0.1	<0.5	--	<0.5	<0.5
m,p-Xylenes	ug/l	--	--	<0.1	<1	--	<1	<1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	<0.2	--	--	--	--
Methylene Chloride	ug/l	100 (22)	--	<0.5	<4	--	<4	<4
o-Xylene	ug/l	40 (17)	--	<0.1	<0.5	--	<0.5	<0.5
Styrene	ug/l	4 (17)	--	<0.1	<0.5	--	--	--
Tetrachloroethylene	ug/l	50 (23)	--	<0.1	<0.3	--	<0.3	<0.3
Toluene	ug/l	0.8	--	<0.2	<0.5	--	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	--	<0.1	<0.4	--	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	<0.2	<0.2	--	--	--
Trichloroethene	ug/l	20	--	<0.1	<0.3	--	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	--	<0.2	<0.5	--	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	--	<0.2	<0.2	--	<0.2	<0.2

Parameter	Unit	(2) (1) PWQO	BD-03-M2 01-Dec-2006	BD-03-M2 07-May-2007	BD-03-M2 29-Nov-2007	BD-03-M2 03-Jun-2008	BD-03-M2 30-Nov-2008	BD-03-M2 03-Jun-2009 S-8
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	217	225	154	197	172	238
Ammonia, unionized	ug/l	20	2.23	0.32	--	0.4	0.22	<20
Ammonia Nitrogen	mg/l	--	1.06	0.15	0.03	<0.02	0.07	0.02
Biologic Oxygen Demand, Five Day	mg/l	--	<1	1	1	1	2	2
Bromide	mg/l	--	<0.05	<0.05	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	9	23	16	20	15	15
Chloride	mg/l	--	17	34	50	56	19	37
Color	color unit	--	18	25	43	47	33	34
Conductivity (Field)	uS/cm	--	645	490	--	500	430	557
Cyanide	ug/l	5(6)	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	12.14	12.62	--	12.8	13.86	9.09
Fluoride	mg/l	--	<0.1	0.1	0.1	0.11	<0.1	<0.10
Hardness, Calcium Carbonate	mg/l	--	207	211	212	216	168	240
Nitrate as N	mg/l	--	0.21	<0.1	0.88	<0.1	0.15	<0.10
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	1.23	0.51	0.7	0.58	0.27	0.47
pH (Field)	-	8.5	7.3	7.3	--	7.8	7.5	7.98
Phosphate	mg/l	--	0.06	<0.03	<0.03	0.04	<0.03	--
Phosphate, Ortho	mg/l	--	--	--	--	--	--	<0.03
Phosphorus	ug/l	--(8)	<10	**70**	30	20	20	20
Sulfate	mg/l	--	17	15	81	14	15	9
Temperature (Field)	deg c	--(9)	3	3	--	17	2	19.8
Turbidity	ntu	--(10)	2.3	2.4	2	1.2	2.6	2.8
Metals								
Aluminum, dissolved	ug/l	--(11)	<10	<10	10	<10	10	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.03	0.03	0.03	0.03	0.02	0.02
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	40	30	50	30	20	20
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	55	55	57	57	44	63
Chromium	ug/l	--(14)	<1	2	<1	3	1	2
Cobalt	ug/l	0.9	0.3	0.5	0.2	0.2	<0.2	<0.2
Copper	ug/l	5	2	1	2	**7**	1	<1
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	240	**770**	170	300	170	290
Lead	ug/l	--(16)	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	17	18	17	18	14	20
Manganese	mg/l	--	0.06	0.21	0.03	0.04	0.04	0.05
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	2	<1	2	<1	2	<1
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	15	22	32	38	14	26
Strontium	mg/l	--	0.134	0.157	0.187	0.171	0.11	0.196
Thallium	ug/l	0.3(17)	<0.1	0.3	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	<1	2	1	1	2	2
Zinc	ug/l	30	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4(13)	<5	<1	<1	<10	<1	<2
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	BD-03-M2 01-Dec-2006	BD-03-M2 07-May-2007	BD-03-M2 29-Nov-2007	BD-03-M2 03-Jun-2008	BD-03-M2 30-Nov-2008	BD-03-M2 03-Jun-2009 S-8
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	<20	<20	<20	<10
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<100	<100	<100	<100	<100	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1	<1	<1	<1.0
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1	<1	<1	<1.0
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1	<1	<1	<1.0
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4	<4	<4	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	(2) (1) PWQO	BD-03-M2 25-Nov-2009 BD-03-M2	BD-03-M2 06-May-2010 S-8	BD-03-M2 30-Nov-2010 S-8	BD-03-M2 11-May-2011 (4) SW-14	BD-03-M2 14-Nov-2011 S-11	BD-03-M2 29-May-2012 BD03-M2
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	218	232	269	232	200	231
Ammonia, unionized	ug/l	20	<20	**410**	<20	<20	<20	<20
Ammonia Nitrogen	mg/l	--	0.02	<0.02	0.27	<0.02	<0.02	0.04
Biologic Oxygen Demand, Five Day	mg/l	--	1	4	<1	2	3	1
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	25	33	5	5	35	33
Chloride	mg/l	--	41	61	22	25	39	19
Color	color unit	--	52	41	12	22	45	41
Conductivity (Field)	uS/cm	--	632	639	446	494	552	596
Cyanide	ug/l	5(6)	<5	<5	<5	<2	<10	<2
Dissolved Oxygen (Field)	mg/l	--(7)	11.91	10.17	8.4	6.13	7.61	6.03
Fluoride	mg/l	--	<0.10	0.11	<0.10	<0.10	0.10	0.10
Hardness, Calcium Carbonate	mg/l	--	247	231	284	228	253	194
Nitrate as N	mg/l	--	<0.10	<0.10	0.14	<0.10	<0.10	<0.10
Nitrite as N	mg/l	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.54	0.54	0.63	0.11	0.83	0.52
pH (Field)	-	8.5	7.13	7.83	--	8.09	7.69	7.79
Phosphate	mg/l	--	--	--	--	--	--	--
Phosphate, Ortho	mg/l	--	0.04	<0.03	<0.03	<0.03	<0.03	<0.03
Phosphorus	ug/l	--(8)	10	20	<10	10	**40**	**40**
Sulfate	mg/l	--	53	13	13	9	43	7
Temperature (Field)	deg c	--(9)	5.4	16.7	2.5	18.9	10.1	24.90
Turbidity	ntu	--(10)	1.2	3.2	1.5	2.0	3.5	4.7
Metals								
Aluminum, dissolved	ug/l	--(11)	<10	<10	<10	<10	<10	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.04	0.03	0.03	0.03	0.04	0.04
Beryllium	ug/l	--(12)	<1	<1	<1	<0.5	<0.5	<0.5
Boron	ug/l	200(13)	50	20	30	20	30	30
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	66	61	74	60	65	48
Chromium	ug/l	--(14)	4	1	2	1	3	2
Cobalt	ug/l	0.9	0.2	<0.2	<0.2	<0.2	<0.2	0.3
Copper	ug/l	5	1	<1	<1	<1	1	<1
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	200	270	160	220	**370**	**680**
Lead	ug/l	--(16)	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	20	19	24	19	22	18
Manganese	mg/l	--	0.03	0.05	0.03	0.04	0.06	0.08
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	2	<1	1	<1	2	<1
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	27	36	17	17	27	32
Strontium	mg/l	--	0.234	0.199	0.169	0.141	0.213	0.173
Thallium	ug/l	0.3(17)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	1	<1	3	1	2	4
Zinc	ug/l	30	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4(13)	<2	<2	<2	<2	<2	<2
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	BD-03-M2 25-Nov-2009 BD-03-M2	BD-03-M2 06-May-2010 S-8	BD-03-M2 30-Nov-2010 S-8	BD-03-M2 11-May-2011 (4) SW-14	BD-03-M2 14-Nov-2011 S-11	BD-03-M2 29-May-2012 BD03-M2
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 (13)	<10	<10	<10	<10	<10	<10
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<50	<50	<50	<50	<50	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	[2] [1] PWQO	BD-03-M2 22-Nov-2012 [5] B - 1
General Chemistry			
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	207
Ammonia, unionized	ug/l	20	<20
Ammonia Nitrogen	mg/l	--	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	3
Bromide	mg/l	--	<0.25
Chemical Oxygen Demand	mg/l	--	11
Chloride	mg/l	--	131
Color	color unit	--	16
Conductivity (Field)	uS/cm	--	940
Cyanide	ug/l	5[6]	<2
Dissolved Oxygen (Field)	mg/l	--[7]	9.11
Fluoride	mg/l	--	0.14
Hardness, Calcium Carbonate	mg/l	--	252
Nitrate as N	mg/l	--	0.10
Nitrite as N	mg/l	--	<0.10
Nitrogen, Nitrate-Nitrite	mg/l	--	--
Nitrogen, Organic	mg/l	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.35
pH (Field)	-	8.5	7.8
Phosphate	mg/l	--	--
Phosphate, Ortho	mg/l	--	<0.03
Phosphorus	ug/l	--[8]	20
Sulfate	mg/l	--	64
Temperature (Field)	deg c	--[9]	4
Turbidity	ntu	--[10]	1.4
Metals			
Aluminum, dissolved	ug/l	--[11]	<10
Arsenic	ug/l	100	<1
Barium	mg/l	--	0.04
Beryllium	ug/l	--[12]	<0.5
Boron	ug/l	200[13]	40
Cadmium	ug/l	0.2[13]	<0.1
Calcium	mg/l	--	68
Chromium	ug/l	--[14]	1
Cobalt	ug/l	0.9	0.2
Copper	ug/l	5	3
Hexavalent Chromium	ug/l	1[15]	<50
Iron	ug/l	300	**620**
Lead	ug/l	--[16]	<1
Magnesium	mg/l	--	20
Manganese	mg/l	--	0.15
Molybdenum	ug/l	40	<5
Nickel	ug/l	25	<5
Potassium	mg/l	--	2
Silver	ug/l	0.1	<0.1
Sodium	mg/l	--	92
Strontium	mg/l	--	0.219
Thallium	ug/l	0.3[17]	<0.1
Titanium	mg/l	--	<0.01
Vanadium	ug/l	6	1
Zinc	ug/l	30	<10
Zirconium	ug/l	4[13]	<2
VOCs			
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--
1,1,1-Trichloroethane	ug/l	10[18]	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5
1,1,2-Trichloroethane	ug/l	800	--
1,1-Dichloroethane	ug/l	200	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5
1,2-Dibromoethane	ug/l	5[13]	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4
1,2-Dichloroethane	ug/l	100	--
1,2-Dichloropropane	ug/l	0.7[13]	--
1,3,5-Trimethylbenzene	ug/l	--	--
1,3-Dichlorobenzene	ug/l	2.5	--

Parameter	Unit	(2) (1) PWQO	BD-03-M2 22-Nov-2012 (5) B - 1
1,4-Dichlorobenzene	ug/l	4	<0.4
Methyl Ethyl Ketone	ug/l	400 (13)	<10
2-Hexanone	ug/l	--	--
Methyl Isobutyl Ketone	ug/l	--	--
Acetone	ug/l	--	<50
Benzene	ug/l	100 (17)	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3
Bromoform	ug/l	60 (13)	--
Bromomethane	ug/l	0.9 (19)	--
Carbon Tetrachloride	ug/l	--	--
Chlorobenzene	ug/l	15 (20)	<0.2
Chloroethane	ug/l	--	<0.2
Chloroform	ug/l	--	<0.5
Chloromethane	ug/l	700 (13)	<0.2
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4
cis-1,3-Dichloropropene	ug/l	--	--
Dibromochloromethane	ug/l	40 (13)	--
Ethylbenzene	ug/l	8	<0.5
m,p-Xylenes	ug/l	--	<0.5
Methyl tert-Butyl Ether	ug/l	200 (13)	--
Methylene Chloride	ug/l	100 (22)	<4.0
o-Xylene	ug/l	40 (17)	<0.5
Styrene	ug/l	4 (17)	--
Tetrachloroethylene	ug/l	50 (23)	<0.3
Toluene	ug/l	0.8	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--
Trichloroethene	ug/l	20	<0.3
Trichlorofluoromethane	ug/l	--	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2

Parameter	Unit	(2) (1) PWQO	SW00-1 19-Apr-2002	SW00-1 03-May-2003	SW00-1 24-Nov-2003	SW00-1 07-Apr-2004	SW00-1 24-Sep-2004	SW00-1 28-Nov-2004
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	179	178	188	178	300	196
Ammonia, unionized	ug/l	20	0.09	0.15	0.1	0.57	0.54	0.05
Ammonia Nitrogen	mg/l	--	0.02	0.03	0.07	0.34	0.17	<0.03
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	<1	0.7	0.8	0.8
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.5	<0.5	<0.5
Chemical Oxygen Demand	mg/l	--	9	10	22	25	55	20
Chloride	mg/l	--	42	84	21	76.3	66.6	40
Color	color unit	--	17	12	21	20	30	42
Conductivity (Field)	uS/cm	--	370	560	490	340	525	600
Cyanide	ug/l	5(6)	<5	<5	<5	<1	<1	<1
Dissolved Oxygen (Field)	mg/l	--(7)	6.62	5.83	5.12	9.22	8.82	9.94
Fluoride	mg/l	--	0.17	0.14	0.11	<0.1	0.1	0.1
Hardness, Calcium Carbonate	mg/l	--	243	276	278	227	369	207.1
Nitrate as N	mg/l	--	0.13	0.34	0.27	0.5	0.6	0.4
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2
Nitrogen, Organic	mg/l	--	0.7	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.72	0.42	0.48	0.62	0.8	0.54
pH (Field)	-	8.5	7.2	7.4	7.1	7.2	7.3	7.2
Phosphate	mg/l	--	<0.03	0.05	0.04	<1	<1	<1
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	**60**	20	**40**	13	**57**	22
Sulfate	mg/l	--	82	65	89	27.1	32.2	29.6
Temperature (Field)	deg c	--(9)	16	11	4	3	8	2
Turbidity	ntu	--(10)	1.2	1.6	2.2	1.5	1.9	3.1
Metals								
Aluminum, dissolved	ug/l	--(11)	<50	<10	40	6	7	9
Arsenic	ug/l	100	<1	<1	<1	<2	<2	<2
Barium	mg/l	--	0.04	0.07	0.05	0.041	0.221	0.037
Beryllium	ug/l	--(12)	<2	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	<50	70	60	30	162	20
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	71	79	80	63.2	112	56.6
Chromium	ug/l	--(14)	<1	4	1	<5	<5	<5
Cobalt	ug/l	0.9	0.5	0.3	0.2	0.1	0.5	0.2
Copper	ug/l	5	2	2	2	1.4	3.8	1.8
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	--	--	--
Iron	ug/l	300	40	150	160	240	**1170**	**360**
Lead	ug/l	--(16)	<1	<1	<1	<0.5	0.7	<0.5
Magnesium	mg/l	--	16	19	19	16.7	21.4	15.9
Manganese	mg/l	--	0.07	0.066	0.05	0.036	0.361	0.057
Molybdenum	ug/l	40	<10	<5	<5	<1	<1	<1
Nickel	ug/l	25	<10	<5	<5	<1	<1	<1
Potassium	mg/l	--	2	3	3	1.8	3.9	1.9
Silver	ug/l	0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	32	52	14	37.3	27.6	24.9
Strontium	mg/l	--	0.147	0.184	0.154	0.151	0.354	0.152
Thallium	ug/l	0.3(17)	<1	<1	<1	<0.05	<0.05	<0.05
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.005	<0.005	0.008
Vanadium	ug/l	6	<1	2	<1	<0.5	<0.5	<0.5
Zinc	ug/l	30	<10	<5	10	**49**	17	8
Zirconium	ug/l	4(13)	<1	**7**	<10	<1	<1	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6	--	<0.2	<0.2	<0.2
1,1,2-Trichloroethane	ug/l	800	--	--	--	<0.2	<0.2	<0.2
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	--	<0.1	<0.1	<0.1
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	--	<0.1	<0.1	<0.1
1,2-Dibromoethane	ug/l	5(13)	--	--	--	<0.2	<0.2	<0.2
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	--	<0.1	<0.1	<0.1
1,2-Dichloroethane	ug/l	100	--	--	--	<0.1	<0.1	<0.1
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	<0.1	<0.1	<0.1
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	--	<0.1	<0.1	<0.1

Parameter	Unit	(2) (1) PWQO	SW00-1 19-Apr-2002	SW00-1 03-May-2003	SW00-1 24-Nov-2003	SW00-1 07-Apr-2004	SW00-1 24-Sep-2004	SW00-1 28-Nov-2004
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	--	<5	<5	<5
2-Hexanone	ug/l	--	--	--	--	<5	<5	<5
Methyl Isobutyl Ketone	ug/l	--	--	--	--	<5	<5	<5
Acetone	ug/l	--	<100	<100	--	<10	<10	<10
Benzene	ug/l	100 (17)	<0.5	<0.5	--	<0.1	<0.1	<0.1
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	--	<0.1	<0.1	<0.1
Bromoform	ug/l	60 (13)	--	--	--	<0.2	<0.2	<0.2
Bromomethane	ug/l	0.9 (19)	--	--	--	<0.5	<0.5	<0.5
Carbon Tetrachloride	ug/l	--	--	--	--	<0.1	<0.1	<0.1
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	--	<0.1	<0.1	<0.1
Chloroethane	ug/l	--	<1	<1	--	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	--	<0.1	<0.1	<0.1
Chloromethane	ug/l	700 (13)	<1	<1	--	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	--	<0.1	0.1	<0.1
cis-1,3-Dichloropropene	ug/l	--	--	--	--	<0.2	<0.2	<0.2
Dibromochloromethane	ug/l	40 (13)	--	--	--	<0.2	<0.2	<0.2
Ethylbenzene	ug/l	8	<0.5	<0.5	--	<0.1	<0.1	<0.1
m,p-Xylenes	ug/l	--	<1	<1	--	<0.1	<0.1	<0.1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	<0.2	<0.2	<0.2
Methylene Chloride	ug/l	100 (22)	<4	<4	--	<0.5	<0.5	<0.5
o-Xylene	ug/l	40 (17)	<0.5	<0.5	--	<0.1	<0.1	<0.1
Styrene	ug/l	4 (17)	--	--	--	<0.1	<0.1	<0.1
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	--	<0.1	<0.1	<0.1
Toluene	ug/l	0.8	<0.5	<0.5	--	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	--	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	<0.2	<0.2	<0.2
Trichloroethene	ug/l	20	<0.3	<0.3	--	<0.1	0.2	<0.1
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	--	<0.2	<0.2	<0.2
Vinyl Chloride	ug/l	600 (13)	<0.5	<0.5	--	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	[2] [1] PWQO	SW00-1 18-Apr-2005	SW00-1 06-Dec-2005	SW00-1 31-May-2006	SW00-1 01-Dec-2006	SW00-1 07-May-2007	SW00-1 29-Nov-2007
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	220	228	236	208	209	128
Ammonia, unionized	ug/l	20	0.08	0.93	0.07	1.14	0.09	0.21
Ammonia Nitrogen	mg/l	--	0.02	0.39	<0.02	0.74	<0.02	0.11
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	4	<1	<1	<1
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.05	<0.05	0.32
Chemical Oxygen Demand	mg/l	--	10	15	9	10	28	<5
Chloride	mg/l	--	92	38	65	23	64	95
Color	color unit	--	14	13	42	16	19	30
Conductivity (Field)	uS/cm	--	725	380	695	445	410	490
Cyanide	ug/l	5[6]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[7]	11.22	11.82	11.92	12.7	12.99	12.77
Fluoride	mg/l	--	0.15	0.14	<0.1	<0.1	0.11	<0.1
Hardness, Calcium Carbonate	mg/l	--	290	246	248	206	243	178
Nitrate as N	mg/l	--	0.24	0.23	<0.1	0.3	<0.1	0.62
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.43	0.54	0.55	0.85	0.29	0.62
pH (Field)	-	8.5	7.5	7.3	7.4	7.2	7.5	7.3
Phosphate	mg/l	--	0.1	0.1	0.08	0.06	0.07	<0.03
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--[8]	30	**70**	20	10	<10	30
Sulfate	mg/l	--	30	28	20	27	31	57
Temperature (Field)	deg c	--[9]	5	2	7	2	6	2
Turbidity	ntu	--[10]	2	1.6	6.8	2.5	3.6	4.9
Metals								
Aluminum, dissolved	ug/l	--[11]	10	<10	20	<10	<10	20
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.05	0.04	0.04	0.04	0.04	0.04
Beryllium	ug/l	--[12]	<1	<1	<1	<1	<1	<1
Boron	ug/l	200[13]	30	30	50	40	40	40
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	80	67	68	56	66	50
Chromium	ug/l	--[14]	1	1	<1	<1	3	2
Cobalt	ug/l	0.9	<0.2	<0.2	0.4	0.3	<0.2	0.3
Copper	ug/l	5	1	1	2	2	1	2
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	50	120	**640**	210	120	50
Lead	ug/l	--[16]	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	22	19	19	16	19	13
Manganese	mg/l	--	0.02	0.04	0.08	0.04	0.03	0.03
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	2	2	2	2	1	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	51	26	46	18	41	53
Strontium	mg/l	--	0.194	0.157	0.202	0.14	0.169	0.24
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	0.3	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	<1	<1	<1	<1	1	<1
Zinc	ug/l	30	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4[13]	<10	<1	<5	<5	<1	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20[13]	<0.6	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10[18]	<0.4	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	<0.4	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5[13]	<1	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.5	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7[13]	<0.7	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	<0.3	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.4	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4

Parameter	Unit	(2) (1) PWQO	SW00-1 18-Apr-2005	SW00-1 06-Dec-2005	SW00-1 31-May-2006	SW00-1 01-Dec-2006	SW00-1 07-May-2007	SW00-1 29-Nov-2007
Methyl Ethyl Ketone	ug/l	400 (13)	--	<20	<20	<20	<20	<20
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	--	<100	<100	<100	<100	<100
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	<0.4	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	<0.5	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	<0.5	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.2	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	<0.3	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	1.4	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1	<1	<1	<1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4	<4	<4	<4
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	<0.5	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	<0.2	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW00-1 03-Jun-2008	SW00-1 30-Nov-2008	SW00-1 03-Jun-2009 S-13	SW00-1 25-Nov-2009 00-1	SW00-1 06-May-2010 S-3	SW00-1 30-Nov-2010 S-13
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	207	169	234	217	217	256
Ammonia, unionized	ug/l	20	0.1	0.11	<20	<20	**270**	<20
Ammonia Nitrogen	mg/l	--	0.03	0.04	0.05	0.02	<0.02	0.17
Biologic Oxygen Demand, Five Day	mg/l	--	<1	2	<1	<1	3	<1
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	15	20	18	18	15	10
Chloride	mg/l	--	101	26	68	61	92	28
Color	color unit	--	34	30	50	30	29	14
Conductivity (Field)	uS/cm	--	680	490	656	669	747	460
Cyanide	ug/l	5(6)	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	13.2	13.15	6.19	15.02	10.53	9.07
Fluoride	mg/l	--	0.12	<0.1	0.11	0.11	0.12	<0.10
Hardness, Calcium Carbonate	mg/l	--	253	184	243	236	231	278
Nitrate as N	mg/l	--	<0.1	0.19	<0.10	<0.10	<0.10	0.22
Nitrite as N	mg/l	--	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.56	0.27	0.51	0.26	0.28	0.25
pH (Field)	-	8.5	7.1	7.4	8.18	6.49	7.74	--
Phosphate	mg/l	--	0.03	<0.03	--	--	--	--
Phosphate, Ortho	mg/l	--	--	--	<0.03	0.07	<0.03	<0.03
Phosphorus	ug/l	--(8)	30	20	30	30	20	<10
Sulfate	mg/l	--	28	20	22	53	26	23
Temperature (Field)	deg c	--(9)	14	3	16.5	6.3	13.8	4
Turbidity	ntu	--(10)	1.8	4	5.1	3.0	3.0	1.8
Metals								
Aluminum, dissolved	ug/l	--(11)	<10	20	<10	<10	<10	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.05	0.03	0.04	0.04	0.05	0.04
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	50	20	30	50	40	30
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	70	49	66	65	63	75
Chromium	ug/l	--(14)	4	1	2	8	2	<1
Cobalt	ug/l	0.9	0.4	0.2	<0.2	0.2	0.3	<0.2
Copper	ug/l	5	4	1	1	1	1	<1
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	**350**	170	<30	190	240	150
Lead	ug/l	--(16)	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	19	15	19	18	18	22
Manganese	mg/l	--	0.15	0.03	0.07	0.06	0.09	0.05
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	1	2	1	2	1	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	67	20	44	38	51	22
Strontium	mg/l	--	0.196	0.113	0.208	0.214	0.201	0.165
Thallium	ug/l	0.3(17)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	2	2	2	2	<1	2
Zinc	ug/l	30	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4(13)	<10	<1	<2	<2	<2	<2
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4

Parameter	Unit	(2) (1) PWQO	SW00-1 03-Jun-2008	SW00-1 30-Nov-2008	SW00-1 03-Jun-2009 S-13	SW00-1 25-Nov-2009 00-1	SW00-1 06-May-2010 S-3	SW00-1 30-Nov-2010 S-13
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	<10	<10	<10	<10
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<100	<100	<50	<50	<50	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1.0	<1.0	<1.0	<1.0
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1.0	<1.0	<1.0	<1.0
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW00-1 11-May-2011 (4) SW-5	SW00-1 14-Nov-2011 S-7	SW00-1 29-May-2012 (24) SW00-1	SW00-1 22-Nov-2012 (5) B - 6
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	224	229	240	201
Ammonia, unionized	ug/l	20	<20	<20	<20	<20
Ammonia Nitrogen	mg/l	--	0.03	<0.02	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	<1	2	<1	2
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	10	20	22	7
Chloride	mg/l	--	41	81	26	164
Color	color unit	--	19	26	22	17
Conductivity (Field)	uS/cm	--	558	771	740	680
Cyanide	ug/l	5(6)	<2	<10	<2	<2
Dissolved Oxygen (Field)	mg/l	--(7)	8.68	8.01	7.87	8.66
Fluoride	mg/l	--	0.10	0.13	0.13	0.15
Hardness, Calcium Carbonate	mg/l	--	231	280	204	291
Nitrate as N	mg/l	--	<0.10	<0.10	0.12	<0.10
Nitrite as N	mg/l	--	<0.10	<0.10	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.24	0.34	0.25	0.20
pH (Field)	-	8.5	8.09	8.1	8.09	8.0
Phosphate	mg/l	--	--	--	--	--
Phosphate, Ortho	mg/l	--	<0.03	<0.03	<0.03	<0.03
Phosphorus	ug/l	--(8)	<10	20	30	<10
Sulfate	mg/l	--	19	49	5	98
Temperature (Field)	deg c	--(9)	15.1	10.9	21.70	3
Turbidity	ntu	--(10)	1.4	2.4	2.7	1.1
Metals						
Aluminum, dissolved	ug/l	--(11)	20	<10	10	<10
Arsenic	ug/l	100	<1	<1	<1	<1
Barium	mg/l	--	0.04	0.06	0.06	0.06
Beryllium	ug/l	--(12)	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200(13)	30	40	40	50
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	63	76	57	82
Chromium	ug/l	--(14)	1	4	2	2
Cobalt	ug/l	0.9	<0.2	0.2	0.3	<0.2
Copper	ug/l	5	<1	1	1	1
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50
Iron	ug/l	300	180	290	260	120
Lead	ug/l	--(16)	<1	<1	<1	<1
Magnesium	mg/l	--	18	22	15	21
Manganese	mg/l	--	0.05	0.10	0.13	0.05
Molybdenum	ug/l	40	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5
Potassium	mg/l	--	1	3	1	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	26	52	47	105
Strontium	mg/l	--	0.153	0.237	0.196	0.305
Thallium	ug/l	0.3(17)	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	1	2	3	<1
Zinc	ug/l	30	<10	<10	<10	<10
Zirconium	ug/l	4(13)	<2	<2	<2	<2
VOCs						
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4

Parameter	Unit	(2) (1) PWQO	SW00-1 11-May-2011 (4) SW-5	SW00-1 14-Nov-2011 S-7	SW00-1 29-May-2012 (24) SW00-1	SW00-1 22-Nov-2012 (5) B - 6
Methyl Ethyl Ketone	ug/l	400 (13)	<10	<10	<10	<10
2-Hexanone	ug/l	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--
Acetone	ug/l	--	<50	<50	<50	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1.0	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1.0	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1.0	<0.5	<0.5	<0.5
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2
Phenols						
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1

Parameter	Unit	[2] [1] PWQO	SW02-1 19-Apr-2002	SW02-1 07-Apr-2004	SW02-1 24-Sep-2004	SW02-1 28-Nov-2004	SW02-1 18-Apr-2005
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	110	133	205	167	164
Ammonia, unionized	ug/l	20	0.38	0.07	0.06	0.03	0.06
Ammonia Nitrogen	mg/l	--	0.03	<0.03	<0.03	<0.03	0.02
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<0.5	<0.5	<0.5	<1
Bromide	mg/l	--	<0.05	<0.5	<0.5	<0.5	<0.05
Chemical Oxygen Demand	mg/l	--	6	8	17	11	<5
Chloride	mg/l	--	4	4.8	3.7	3.5	4
Color	color unit	--	11	4	2	4	7
Conductivity (Field)	uS/cm	--	220	300	400	565	480
Cyanide	ug/l	5[6]	<5	<1	<1	<1	<5
Dissolved Oxygen (Field)	mg/l	--[7]	3.08	9.18	9.02	9.08	8.91
Fluoride	mg/l	--	0.17	0.1	0.1	0.1	0.16
Hardness, Calcium Carbonate	mg/l	--	133	143	219.2	174.4	199
Nitrate as N	mg/l	--	0.55	0.6	0.4	0.6	0.5
Nitrite as N	mg/l	--	<0.1	<0.2	<0.2	<0.2	<0.1
Nitrogen, Organic	mg/l	--	0.41	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.44	0.2	0.28	0.18	<0.05
pH (Field)	-	8.5	7.8	7.3	7.1	7	7.3
Phosphate	mg/l	--	<0.03	<1	<1	<1	0.08
Phosphate, Ortho	mg/l	--	--	--	--	--	--
Phosphorus	ug/l	--[8]	**50**	18	**49**	**35**	30
Sulfate	mg/l	--	28	21.6	22.9	22.4	20
Temperature (Field)	deg c	--[9]	11	4	9	3	7
Turbidity	ntu	--[10]	7.1	0.9	16.4	2.3	2.2
Metals							
Aluminum, dissolved	ug/l	--[11]	180	<5	<5	<5	<10
Arsenic	ug/l	100	<1	<2	<2	<2	<1
Barium	mg/l	--	0.01	0.012	0.048	0.013	0.01
Beryllium	ug/l	--[12]	<2	<1	<1	<1	<1
Boron	ug/l	200[13]	<50	24	46	17	30
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	35	39.4	63	48	55
Chromium	ug/l	14	<1	<5	<5	<5	<1
Cobalt	ug/l	0.9	0.2	<0.1	**2.2**	<0.1	<0.2
Copper	ug/l	5	<1	1	**5.3**	1	<1
Hexavalent Chromium	ug/l	1[15]	<50	--	--	--	<50
Iron	ug/l	300	170	140	**2940**	90	40
Lead	ug/l	--[16]	<1	<0.5	2	<0.5	<1
Magnesium	mg/l	--	11	10.8	15	13.2	15
Manganese	mg/l	--	0.03	0.015	0.825	0.021	0.01
Molybdenum	ug/l	40	<10	<1	1	<1	<5
Nickel	ug/l	25	<10	<1	3	<1	<5
Potassium	mg/l	--	1	1.3	2.4	1.3	1
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	3	3.1	4.5	3.3	4
Strontium	mg/l	--	0.063	0.07	0.116	0.083	0.092
Thallium	ug/l	0.3[17]	<1	<0.05	<0.05	<0.05	<0.1
Titanium	mg/l	--	0.01	0.007	0.127	<0.005	<0.01
Vanadium	ug/l	6	<1	0.5	5.3	<0.5	<1
Zinc	ug/l	30	<10	<5	13	<5	<10
Zirconium	ug/l	4[13]	<1	<1	<1	<1	<10
VOCs							
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--	<0.1	<0.1	<0.1	<0.6
1,1,1-Trichloroethane	ug/l	10[18]	--	<0.1	<0.1	<0.1	<0.4
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.2	<0.2	<0.2	<0.6
1,1,2-Trichloroethane	ug/l	800	--	<0.2	<0.2	<0.2	<0.4
1,1-Dichloroethane	ug/l	200	<0.4	<0.1	<0.1	<0.1	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.1	<0.1	<0.1	<0.5
1,2-Dibromoethane	ug/l	5[13]	--	<0.2	<0.2	<0.2	<1
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.1	<0.1	<0.1	<0.4
1,2-Dichloroethane	ug/l	100	--	<0.1	<0.1	<0.1	<0.5
1,2-Dichloropropane	ug/l	0.7[13]	--	<0.1	<0.1	<0.1	<0.7
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	<0.3
1,3-Dichlorobenzene	ug/l	2.5	--	<0.1	<0.1	<0.1	<0.4

Parameter	Unit	[2] [1] PWQO	SW02-1 19-Apr-2002	SW02-1 07-Apr-2004	SW02-1 24-Sep-2004	SW02-1 28-Nov-2004	SW02-1 18-Apr-2005
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.1	<0.1	<0.1	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<20	<5	<5	<5	--
2-Hexanone	ug/l	--	--	<5	<5	<5	--
Methyl Isobutyl Ketone	ug/l	--	--	<5	<5	<5	--
Acetone	ug/l	--	<100	<10	<10	<10	--
Benzene	ug/l	100 [17]	<0.5	<0.1	<0.1	<0.1	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.1	<0.1	<0.1	<0.3
Bromoform	ug/l	60 [13]	--	<0.2	<0.2	<0.2	<0.4
Bromomethane	ug/l	0.9 [19]	--	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride	ug/l	--	--	<0.1	<0.1	<0.1	<0.5
Chlorobenzene	ug/l	15 [20]	<0.2	<0.1	<0.1	<0.1	<0.2
Chloroethane	ug/l	--	<1	<0.2	<0.2	<0.2	<1
Chloroform	ug/l	--	<0.5	<0.1	<0.1	<0.1	<0.5
Chloromethane	ug/l	700 [13]	<1	<0.5	<0.5	<0.5	<1
cis-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.1	<0.1	<0.1	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	<0.2	<0.2	<0.2	<0.2
Dibromochloromethane	ug/l	40 [12]	--	<0.2	<0.2	<0.2	<0.3
Ethylbenzene	ug/l	8	<0.5	<0.1	<0.1	<0.1	<0.5
m,p-Xylenes	ug/l	--	<1	<0.1	<0.1	<0.1	<1
Methyl tert-Butyl Ether	ug/l	200 [13]	--	<0.2	<0.2	<0.2	--
Methylene Chloride	ug/l	100 [22]	<4	<0.5	<0.5	<0.5	<4
o-Xylene	ug/l	40 [17]	<0.5	<0.1	<0.1	<0.1	<0.5
Styrene	ug/l	4 [17]	--	<0.1	<0.1	<0.1	<0.5
Tetrachloroethylene	ug/l	50 [23]	<0.3	<0.1	<0.1	<0.1	<0.3
Toluene	ug/l	0.8	<0.5	<0.2	<0.2	<0.2	<0.5
trans-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.1	<0.1	<0.1	<0.4
trans-1,3-Dichloropropene	ug/l	7 [13]	--	<0.2	<0.2	<0.2	<0.2
Trichloroethene	ug/l	20	<0.3	<0.1	<0.1	<0.1	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.2	<0.2	<0.2	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.5	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	[2] [1] PWQO	SW02-1 31-May-2006 [25]	SW02-1 01-Dec-2006	SW02-1 07-May-2007	SW02-1 29-Nov-2007	SW02-1 03-Jun-2008
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	-- [3]	--	203	203	124	229
Ammonia, unionized	ug/l	20	--	0.03	0.15	0.04	0.5
Ammonia Nitrogen	mg/l	--	--	<0.02	0.09	<0.02	0.04
Biologic Oxygen Demand, Five Day	mg/l	--	--	<1	<1	1	<1
Bromide	mg/l	--	--	<0.05	<0.05	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	--	8	<5	<5	<5
Chloride	mg/l	--	--	4	3	4	3
Color	color unit	--	--	6	4	2	7
Conductivity (Field)	uS/cm	--	--	480	505	410	420
Cyanide	ug/l	5 [6]	--	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [7]	--	8.8	9.92	8.12	8.2
Fluoride	mg/l	--	--	<0.1	0.1	0.11	<0.1
Hardness, Calcium Carbonate	mg/l	--	--	202	195	122	246
Nitrate as N	mg/l	--	--	0.61	0.41	0.25	<0.1
Nitrite as N	mg/l	--	--	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	0.32	1.01	0.41	0.28
pH (Field)	-	8.5	--	7.2	7.2	7.3	7.7
Phosphate	mg/l	--	--	0.07	0.11	0.05	0.04
Phosphate, Ortho	mg/l	--	--	--	--	--	--
Phosphorus	ug/l	-- [8]	--	10	**80**	<10	20
Sulfate	mg/l	--	--	19	17	15	15
Temperature (Field)	deg c	-- [9]	--	2	3	3	14
Turbidity	ntu	-- [10]	--	9.6	2.7	2.8	1.1
Metals							
Aluminum, dissolved	ug/l	-- [11]	--	20	<10	10	<10
Arsenic	ug/l	100	--	<1	<1	<1	<1
Barium	mg/l	--	--	0.01	0.02	0.01	0.02
Beryllium	ug/l	-- [12]	--	<1	<1	<1	<1
Boron	ug/l	200 [13]	--	30	40	20	50
Cadmium	ug/l	0.2 [13]	--	0.2	<0.1	<0.1	<0.1
Calcium	mg/l	--	--	56	55	34	72
Chromium	ug/l	14	--	<1	2	<1	<1
Cobalt	ug/l	0.9	--	<0.2	0.3	<0.2	0.2
Copper	ug/l	5	--	2	3	1	1
Hexavalent Chromium	ug/l	1 [15]	--	<50	<50	<50	<50
Iron	ug/l	300	--	40	160	80	80
Lead	ug/l	-- [16]	--	<1	<1	<1	<1
Magnesium	mg/l	--	--	15	14	9	16
Manganese	mg/l	--	--	<0.01	0.04	<0.01	0.07
Molybdenum	ug/l	40	--	<5	<5	<5	<5
Nickel	ug/l	25	--	<5	<5	<5	<5
Potassium	mg/l	--	--	2	1	2	1
Silver	ug/l	0.1	--	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	--	5	5	<2	5
Strontium	mg/l	--	--	0.105	0.096	0.067	0.121
Thallium	ug/l	0.3 [17]	--	<0.1	0.3	<0.1	<0.1
Titanium	mg/l	--	--	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	--	<1	2	<1	2
Zinc	ug/l	30	--	<10	<10	<10	<10
Zirconium	ug/l	4 [13]	--	<5	<1	<1	<10
VOCs							
1,1,1,2-Tetrachloroethane	ug/l	20 [13]	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10 [18]	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	--	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 [13]	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7 [13]	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW02-1 31-May-2006 [25]	SW02-1 01-Dec-2006	SW02-1 07-May-2007	SW02-1 29-Nov-2007	SW02-1 03-Jun-2008
1,4-Dichlorobenzene	ug/l	4	--	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	--	<20	<20	<20	<20
2-Hexanone	ug/l	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--
Acetone	ug/l	--	--	<100	<100	<100	<100
Benzene	ug/l	100 [17]	--	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	--	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 [13]	--	--	--	--	--
Bromomethane	ug/l	0.9 [19]	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--
Chlorobenzene	ug/l	15 [20]	--	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	--	<1	<1	<1	<1
Chloroform	ug/l	--	--	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	--	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 [21]	--	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 [12]	--	--	--	--	--
Ethylbenzene	ug/l	8	--	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	--	<1	<1	<1	<1
Methyl tert-Butyl Ether	ug/l	200 [13]	--	--	--	--	--
Methylene Chloride	ug/l	100 [22]	--	<4	<4	<4	<4
o-Xylene	ug/l	40 [17]	--	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 [17]	--	--	--	--	--
Tetrachloroethylene	ug/l	50 [23]	--	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	--	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [21]	--	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 [13]	--	--	--	--	--
Trichloroethene	ug/l	20	--	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	--	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	--	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	[2] [1] PWQO	SW02-1 30-Nov-2008	SW02-1 03-Jun-2009 S-7	SW02-1 25-Nov-2009 [25] SW02-1	SW02-1 06-May-2010 S-10	SW02-1 30-Nov-2010 S-7
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	-- [3]	170	209	--	180	225
Ammonia, unionized	ug/l	20	0.05	<20	--	**100**	<20
Ammonia Nitrogen	mg/l	--	0.02	0.05	--	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	1	2	--	<1	<1
Bromide	mg/l	--	<0.25	<0.25	--	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	10	<5	--	13	5
Chloride	mg/l	--	3	3	--	2	2
Color	color unit	--	13	7	--	11	4
Conductivity (Field)	uS/cm	--	390	433	--	367	347
Cyanide	ug/l	5 [6]	<5	<5	--	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [7]	10.96	6.26	--	7.65	6.8
Fluoride	mg/l	--	0.1	0.10	--	0.11	0.10
Hardness, Calcium Carbonate	mg/l	--	183	219	--	181	241
Nitrate as N	mg/l	--	0.27	0.18	--	0.10	0.27
Nitrite as N	mg/l	--	<0.1	<0.10	--	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.22	0.66	--	0.19	<0.10
pH (Field)	-	8.5	7.4	7.26	--	7.36	--
Phosphate	mg/l	--	0.04	--	--	--	--
Phosphate, Ortho	mg/l	--	--	<0.03	--	<0.03	<0.03
Phosphorus	ug/l	-- [8]	30	**110**	--	<10	<10
Sulfate	mg/l	--	15	14	--	17	16
Temperature (Field)	deg c	-- [9]	2	16.5	--	12.6	7.1
Turbidity	ntu	-- [10]	3.2	3.4	--	2.0	1.1
Metals							
Aluminum, dissolved	ug/l	-- [11]	10	<10	--	<10	<10
Arsenic	ug/l	100	<1	<1	--	<1	<1
Barium	mg/l	--	0.01	0.02	--	0.02	0.02
Beryllium	ug/l	-- [12]	<1	<1	--	<1	<1
Boron	ug/l	200 [13]	30	40	--	30	30
Cadmium	ug/l	0.2 [13]	<0.1	<0.1	--	<0.1	<0.1
Calcium	mg/l	--	52	63	--	51	67
Chromium	ug/l	14	1	1	--	<1	2
Cobalt	ug/l	0.9	<0.2	0.3	--	<0.2	<0.2
Copper	ug/l	5	1	1	--	<1	<1
Hexavalent Chromium	ug/l	1 [15]	<50	<50	--	<50	<50
Iron	ug/l	300	80	240	--	40	50
Lead	ug/l	-- [16]	<1	<1	--	<1	<1
Magnesium	mg/l	--	13	15	--	13	18
Manganese	mg/l	--	0.02	0.15	--	0.01	0.03
Molybdenum	ug/l	40	<5	<5	--	<5	<5
Nickel	ug/l	25	<5	<5	--	<5	<5
Potassium	mg/l	--	2	1	--	1	2
Silver	ug/l	0.1	<0.1	<0.1	--	<0.1	<0.1
Sodium	mg/l	--	<2	4	--	3	2
Strontium	mg/l	--	0.077	0.125	--	0.103	0.112
Thallium	ug/l	0.3 [17]	<0.1	<0.1	--	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	--	<0.01	<0.01
Vanadium	ug/l	6	3	2	--	<1	3
Zinc	ug/l	30	<10	<10	--	<10	<10
Zirconium	ug/l	4 [13]	<1	<2	--	<2	<2
VOCs							
1,1,1,2-Tetrachloroethane	ug/l	20 [13]	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10 [18]	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	--	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	--	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	--	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 [13]	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	--	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7 [13]	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW02-1 30-Nov-2008	SW02-1 03-Jun-2009 S-7	SW02-1 25-Nov-2009 [25] SW02-1	SW02-1 06-May-2010 S-10	SW02-1 30-Nov-2010 S-7
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	--	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<20	<10	--	<10	<10
2-Hexanone	ug/l	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--
Acetone	ug/l	--	<100	<50	--	<50	<50
Benzene	ug/l	100 [17]	<0.5	<0.5	--	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	--	<0.3	<0.3
Bromoform	ug/l	60 [13]	--	--	--	--	--
Bromomethane	ug/l	0.9 [19]	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--
Chlorobenzene	ug/l	15 [20]	<0.2	<0.2	--	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1.0	--	<1.0	<1.0
Chloroform	ug/l	--	<0.5	<0.5	--	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<1	<1.0	--	<1.0	<1.0
cis-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	--	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 [12]	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	--	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1.0	--	<1.0	<1.0
Methyl tert-Butyl Ether	ug/l	200 [13]	--	--	--	--	--
Methylene Chloride	ug/l	100 [22]	<4	<4.0	--	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	--	<0.5	<0.5
Styrene	ug/l	4 [17]	--	--	--	--	--
Tetrachloroethylene	ug/l	50 [23]	<0.3	<0.3	--	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	--	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	--	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 [13]	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	--	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	--	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	--	<0.2	<0.2

Parameter	Unit	[2] [1] PWQO	SW02-1 11-May-2011 [4] SW-13	SW02-1 14-Nov-2011 [25] SW02-1	SW02-1 29-May-2012 SW02-1	SW02-1 22-Nov-2012 [25] SW02-1
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	-- [3]	192	--	229	--
Ammonia, unionized	ug/l	20	<20	--	<20	--
Ammonia Nitrogen	mg/l	--	<0.02	--	<0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	<1	--	<1	--
Bromide	mg/l	--	<0.25	--	<0.25	--
Chemical Oxygen Demand	mg/l	--	<5	--	21	--
Chloride	mg/l	--	2	--	2	--
Color	color unit	--	8	--	9	--
Conductivity (Field)	uS/cm	--	387	--	434	--
Cyanide	ug/l	5 [6]	<2	--	<2	--
Dissolved Oxygen (Field)	mg/l	-- [7]	5.10	--	6.49	--
Fluoride	mg/l	--	0.11	--	0.10	--
Hardness, Calcium Carbonate	mg/l	--	188	--	186	--
Nitrate as N	mg/l	--	0.17	--	0.15	--
Nitrite as N	mg/l	--	<0.10	--	<0.10	--
Nitrogen, Organic	mg/l	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.34	--	0.48	--
pH (Field)	-	8.5	7.66	--	7.74	--
Phosphate	mg/l	--	--	--	--	--
Phosphate, Ortho	mg/l	--	<0.03	--	<0.03	--
Phosphorus	ug/l	-- [8]	30	--	**80**	--
Sulfate	mg/l	--	13	--	11	--
Temperature (Field)	deg c	-- [9]	14.5	--	22.20	--
Turbidity	ntu	-- [10]	0.6	--	2.7	--
Metals						
Aluminum, dissolved	ug/l	-- [11]	<10	--	<10	--
Arsenic	ug/l	100	<1	--	<1	--
Barium	mg/l	--	0.02	--	0.02	--
Beryllium	ug/l	-- [12]	<0.5	--	<0.5	--
Boron	ug/l	200 [13]	30	--	50	--
Cadmium	ug/l	0.2 [13]	<0.1	--	<0.1	--
Calcium	mg/l	--	54	--	53	--
Chromium	ug/l	14	<1	--	1	--
Cobalt	ug/l	0.9	<0.2	--	0.3	--
Copper	ug/l	5	<1	--	1	--
Hexavalent Chromium	ug/l	1 [15]	<50	--	<50	--
Iron	ug/l	300	40	--	170	--
Lead	ug/l	-- [16]	<1	--	<1	--
Magnesium	mg/l	--	13	--	13	--
Manganese	mg/l	--	0.02	--	0.08	--
Molybdenum	ug/l	40	<5	--	<5	--
Nickel	ug/l	25	<5	--	<5	--
Potassium	mg/l	--	1	--	1	--
Silver	ug/l	0.1	<0.1	--	<0.1	--
Sodium	mg/l	--	<2	--	5	--
Strontium	mg/l	--	0.096	--	0.114	--
Thallium	ug/l	0.3 [17]	<0.1	--	<0.1	--
Titanium	mg/l	--	<0.01	--	<0.01	--
Vanadium	ug/l	6	1	--	4	--
Zinc	ug/l	30	<10	--	<10	--
Zirconium	ug/l	4 [13]	<2	--	<2	--
VOCs						
1,1,1,2-Tetrachloroethane	ug/l	20 [13]	--	--	--	--
1,1,1-Trichloroethane	ug/l	10 [18]	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	--	<0.5	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	--	<0.4	--
1,1-Dichloroethylene	ug/l	40	<0.5	--	<0.5	--
1,2-Dibromoethane	ug/l	5 [13]	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	--	<0.4	--
1,2-Dichloroethane	ug/l	100	--	--	--	--
1,2-Dichloropropane	ug/l	0.7 [13]	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW02-1 11-May-2011 [4] SW-13	SW02-1 14-Nov-2011 [25] SW02-1	SW02-1 29-May-2012 SW02-1	SW02-1 22-Nov-2012 [25] SW02-1
1,4-Dichlorobenzene	ug/l	4	<0.4	--	<0.4	--
Methyl Ethyl Ketone	ug/l	400 [13]	<10	--	<10	--
2-Hexanone	ug/l	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--
Acetone	ug/l	--	<50	--	<50	--
Benzene	ug/l	100 [17]	<0.5	--	<0.5	--
Bromodichloromethane	ug/l	200 [13]	<0.3	--	<0.3	--
Bromoform	ug/l	60 [13]	--	--	--	--
Bromomethane	ug/l	0.9 [19]	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--
Chlorobenzene	ug/l	15 [20]	<0.2	--	<0.2	--
Chloroethane	ug/l	--	<1.0	--	<0.2	--
Chloroform	ug/l	--	<0.5	--	<0.5	--
Chloromethane	ug/l	700 [13]	<1.0	--	<0.2	--
cis-1,2-Dichloroethene	ug/l	200 [21]	<0.4	--	<0.4	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--
Dibromochloromethane	ug/l	40 [12]	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	--	<0.5	--
m,p-Xylenes	ug/l	--	<1.0	--	<0.5	--
Methyl tert-Butyl Ether	ug/l	200 [13]	--	--	--	--
Methylene Chloride	ug/l	100 [22]	<4.0	--	<4.0	--
o-Xylene	ug/l	40 [17]	<0.5	--	<0.5	--
Styrene	ug/l	4 [17]	--	--	--	--
Tetrachloroethylene	ug/l	50 [23]	<0.3	--	<0.3	--
Toluene	ug/l	0.8	<0.5	--	<0.5	--
trans-1,2-Dichloroethene	ug/l	200 [21]	<0.4	--	<0.4	--
trans-1,3-Dichloropropene	ug/l	7 [13]	--	--	--	--
Trichloroethene	ug/l	20	<0.3	--	<0.3	--
Trichlorofluoromethane	ug/l	--	<0.5	--	<0.5	--
Vinyl Chloride	ug/l	600 [13]	<0.2	--	<0.2	--

Parameter	Unit	[2] [1] PWQO	SW03-1 03-May-2003	SW03-1 22-Sep-2003	SW03-1 24-Nov-2003	SW03-1 07-Apr-2004	SW03-1 28-Nov-2004
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	169	247	232	146	202
Ammonia, unionized	ug/l	20	0.47	0.03	0.25	3.8	0.04
Ammonia Nitrogen	mg/l	--	0.63	<0.02	0.48	0.72	0.04
Biologic Oxygen Demand, Five Day	mg/l	--	6	<1	<1	2.4	<0.5
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.5	<0.5
Chemical Oxygen Demand	mg/l	--	25	<5	24	30	10
Chloride	mg/l	--	24	61	46	28.3	73.2
Color	color unit	--	29	2	19	314	168
Conductivity (Field)	uS/cm	--	680	620	680	670	510
Cyanide	ug/l	5[6]	<5	<5	<5	<1	<1
Dissolved Oxygen (Field)	mg/l	--[7]	3.01	2.92	4.23	5.22	7.81
Fluoride	mg/l	--	0.39	0.64	0.9	0.1	<0.1
Hardness, Calcium Carbonate	mg/l	--	230	335	458	204.3	295.9
Nitrate as N	mg/l	--	<0.1	3.03	0.55	<0.2	<0.2
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.2	<0.2
Nitrogen, Total Kjeldahl	mg/l	--	2.74	1.45	0.81	1.24	0.29
pH (Field)	-	8.5	6.5	7	6.7	6.7	7
Phosphate	mg/l	--	0.29	0.1	0.05	<1	<1
Phosphate, Ortho	mg/l	--	--	--	--	--	--
Phosphorus	ug/l	--[8]	**250**	**40**	20	**59**	29
Sulfate	mg/l	--	103	53	174	44.7	71.9
Temperature (Field)	deg c	--[9]	13	9	3	3	2
Turbidity	ntu	--[10]	8.8	6	3.1	29	63
Metals							
Aluminum, dissolved	ug/l	--[11]	<10	<10	<10	7	5
Arsenic	ug/l	100	<1	<1	<1	<2	<2
Barium	mg/l	--	0.13	0.12	0.11	0.073	0.098
Beryllium	ug/l	--[12]	<1	<1	<1	<1	<1
Boron	ug/l	200[13]	160	50	160	117	124
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	74	101	147	63.2	90.6
Chromium	ug/l	14	4	10	1	<5	<5
Cobalt	ug/l	0.9	0.5	0.3	0.7	**3.1**	0.4
Copper	ug/l	5	<1	2	2	0.7	1.2
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	--	--
Iron	ug/l	300	**3170**	**1040**	**530**	**9480**	**4220**
Lead	ug/l	16	<1	1	<1	<0.5	<0.5
Magnesium	mg/l	--	11	20	22	11.3	16.8
Manganese	mg/l	--	0.242	<0.005	0.23	0.282	0.027
Molybdenum	ug/l	40	<5	<5	<5	<1	<1
Nickel	ug/l	25	<5	<5	<5	2	<1
Potassium	mg/l	--	3	5	6	2.1	1.4
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	26	29	26	12.1	24.2
Strontium	mg/l	--	0.163	0.338	0.292	0.121	0.16
Thallium	ug/l	0.3[17]	<1	<1	<1	<0.05	<0.05
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.005	<0.005
Vanadium	ug/l	6	1	4	<1	<0.5	<0.5
Zinc	ug/l	30	<5	<10	**70**	**69**	<5
Zirconium	ug/l	4[13]	**7**	<10	<10	<1	<1
VOCs							
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--	--	--	<0.1	<0.1
1,1,1-Trichloroethane	ug/l	10[18]	--	--	--	0.1	0.1
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6	--	<0.2	<0.2
1,1,2-Trichloroethane	ug/l	800	--	--	--	<0.2	<0.2
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	--	0.3	0.5
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	--	<0.1	<0.1
1,2-Dibromoethane	ug/l	5[13]	--	--	--	<0.2	<0.2
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	--	<0.1	<0.1
1,2-Dichloroethane	ug/l	100	--	--	--	<0.1	<0.1
1,2-Dichloropropane	ug/l	0.7[13]	--	--	--	<0.1	<0.1
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	<0.1	<0.1
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	--	<0.1	<0.1
Methyl Ethyl Ketone	ug/l	400[13]	<20	<20	--	<5	<5

Parameter	Unit	[2] [1] PWQO	SW03-1 03-May-2003	SW03-1 22-Sep-2003	SW03-1 24-Nov-2003	SW03-1 07-Apr-2004	SW03-1 28-Nov-2004
2-Hexanone	ug/l	--	--	--	--	<5	<5
Methyl Isobutyl Ketone	ug/l	--	--	--	--	<5	<5
Acetone	ug/l	--	<100	<100	--	<10	<10
Benzene	ug/l	100 [17]	<0.5	<0.5	--	<0.1	<0.1
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	--	<0.1	<0.1
Bromoform	ug/l	60 [13]	--	--	--	<0.2	<0.2
Bromomethane	ug/l	0.9 [19]	--	--	--	<0.5	<0.5
Carbon Tetrachloride	ug/l	--	--	--	--	<0.1	<0.1
Chlorobenzene	ug/l	15 [20]	<0.2	<0.2	--	<0.1	<0.1
Chloroethane	ug/l	--	<1	<1	--	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	--	<0.1	<0.1
Chloromethane	ug/l	700 [13]	<1	<1	--	<0.5	<0.5
cis-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	--	0.4	1
cis-1,3-Dichloropropene	ug/l	--	--	--	--	<0.2	<0.2
Dibromochloromethane	ug/l	40 [12]	--	--	--	<0.2	<0.2
Ethylbenzene	ug/l	8	<0.5	<0.5	--	<0.1	<0.1
m,p-Xylenes	ug/l	--	<1	<1	--	<0.1	<0.1
Methyl tert-Butyl Ether	ug/l	200 [13]	--	--	--	<0.2	<0.2
Methylene Chloride	ug/l	100 [22]	<4	<4	--	<0.5	<0.5
o-Xylene	ug/l	40 [17]	<0.5	<0.5	--	<0.1	<0.1
Styrene	ug/l	4 [17]	--	--	--	<0.1	<0.1
Tetrachloroethylene	ug/l	50 [23]	<0.3	<0.3	--	<0.1	<0.1
Toluene	ug/l	0.8	<0.5	<0.5	--	0.2	<0.2
trans-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	--	<0.1	<0.1
trans-1,3-Dichloropropene	ug/l	7 [13]	--	--	--	<0.2	<0.2
Trichloroethene	ug/l	20	<0.3	0.8	--	0.6	0.8
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	--	<0.2	<0.2
Vinyl Chloride	ug/l	600 [13]	<0.5	<0.5	--	0.3	0.6
Phenols							
Phenolics, Total Recoverable	ug/l	1 [3]	<1	<1	<1	<1	<1

Parameter	Unit	[2] [1] PWQO	SW03-1 18-Apr-2005	SW03-1 31-May-2006	SW03-1 01-Dec-2006	SW03-1 07-May-2007	SW03-1 29-Nov-2007
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	272	189	240	351	137
Ammonia, unionized	ug/l	20	1.4	0.17	0.11	0.26	0.03
Ammonia Nitrogen	mg/l	--	0.48	0.09	0.09	0.14	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	<1	4	<1	<1	1
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.05	<0.25
Chemical Oxygen Demand	mg/l	--	13	68	12	13	12
Chloride	mg/l	--	46	6	36	42	6
Color	color unit	--	12	167	17	24	36
Conductivity (Field)	uS/cm	--	705	810	665	685	580
Cyanide	ug/l	5[6]	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[7]	9.4	8.28	9.11	9.94	10.78
Fluoride	mg/l	--	0.21	<0.1	0.12	0.17	0.1
Hardness, Calcium Carbonate	mg/l	--	368	184	357	358	142
Nitrate as N	mg/l	--	0.25	<0.1	0.76	<0.1	0.14
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	0.8	1.86	0.31	0.7	0.39
pH (Field)	-	8.5	7.3	7	7.1	7.1	7.2
Phosphate	mg/l	--	0.14	0.14	0.05	0.09	0.03
Phosphate, Ortho	mg/l	--	--	--	--	--	--
Phosphorus	ug/l	--[8]	**60**	**330**	20	**40**	<10
Sulfate	mg/l	--	71	3	131	4	18
Temperature (Field)	deg c	--[9]	7	10	2	7	2
Turbidity	ntu	--[10]	4.8	59.9	0.9	19.5	1.7
Metals							
Aluminum, dissolved	ug/l	--[11]	<10	20	<10	<10	30
Arsenic	ug/l	100	<1	<1	<1	<1	<1
Barium	mg/l	--	0.15	0.17	0.09	0.25	0.01
Beryllium	ug/l	--[12]	<1	<1	<1	<1	<1
Boron	ug/l	200[13]	110	180	100	170	<10
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	111	57	110	107	42
Chromium	ug/l	14	1	<1	<1	2	<1
Cobalt	ug/l	0.9	0.4	0.6	0.4	0.5	<0.2
Copper	ug/l	5	<1	<1	2	<1	2
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	<50	<50
Iron	ug/l	300	**1030**	**18000**	170	**920**	120
Lead	ug/l	16	<1	<1	<1	<1	<1
Magnesium	mg/l	--	22	10	20	22	9
Manganese	mg/l	--	0.17	0.52	0.06	0.1	0.02
Molybdenum	ug/l	40	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5
Potassium	mg/l	--	4	<1	3	5	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	25	6	22	30	<2
Strontium	mg/l	--	0.225	0.137	0.218	0.276	0.085
Thallium	ug/l	0.3[17]	<0.1	<0.1	0.1	0.3	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	2	<1	<1	1	<1
Zinc	ug/l	30	<10	<10	30	<10	<10
Zirconium	ug/l	4[13]	<10	<5	<5	<1	<1
VOCs							
1,1,1,2-Tetrachloroethane	ug/l	20[13]	<0.6	--	--	--	--
1,1,1-Trichloroethane	ug/l	10[18]	<0.4	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.5	<0.5	--	<0.5
1,1,2-Trichloroethane	ug/l	800	<0.4	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	--	<0.5
1,2-Dibromoethane	ug/l	5[13]	<1	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	--	<0.4
1,2-Dichloroethane	ug/l	100	<0.5	--	--	--	--
1,2-Dichloropropane	ug/l	0.7[13]	<0.7	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	<0.3	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.4	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400[13]	--	<20	<20	--	<20

Parameter	Unit	[2] [1] PWQO	SW03-1 18-Apr-2005	SW03-1 31-May-2006	SW03-1 01-Dec-2006	SW03-1 07-May-2007	SW03-1 29-Nov-2007
2-Hexanone	ug/l	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--
Acetone	ug/l	--	--	<100	<100	--	<100
Benzene	ug/l	100 [17]	<0.5	<0.5	9.8	--	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	--	<0.3
Bromoform	ug/l	60 [13]	<0.4	--	--	--	--
Bromomethane	ug/l	0.9 [19]	<0.5	--	--	--	--
Carbon Tetrachloride	ug/l	--	<0.5	--	--	--	--
Chlorobenzene	ug/l	15 [20]	<0.2	<0.2	<0.2	--	<0.2
Chloroethane	ug/l	--	<1	<1	<1	--	<1
Chloroform	ug/l	--	<0.5	<0.5	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	<1	<1	<1	--	<1
cis-1,2-Dichloroethene	ug/l	200 [21]	0.4	<0.4	0.6	--	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.2	--	--	--	--
Dibromochloromethane	ug/l	40 [12]	<0.3	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	**10.2**	--	<0.5
m,p-Xylenes	ug/l	--	<1	<1	3.9	--	<1
Methyl tert-Butyl Ether	ug/l	200 [13]	--	--	--	--	--
Methylene Chloride	ug/l	100 [22]	<4	<4	<4	--	<4
o-Xylene	ug/l	40 [17]	<0.5	<0.5	2.2	--	<0.5
Styrene	ug/l	4 [17]	<0.5	--	--	--	--
Tetrachloroethylene	ug/l	50 [23]	<0.3	<0.3	<0.3	--	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	**2.8**	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	<0.4	--	<0.4
trans-1,3-Dichloropropene	ug/l	7 [13]	<0.2	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	0.6	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	--	<0.2
Phenols							
Phenolics, Total Recoverable	ug/l	1 [3]	<1	<1	<1	<1	<1

Parameter	Unit	[2] [1] PWQO	SW03-1 03-Jun-2008	SW03-1 30-Nov-2008	SW03-1 03-Jun-2009 [28] S-12	SW03-1 25-Nov-2009 03-1	SW03-1 06-May-2010 [29] S-13
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	408	364	477[24]	570	419
Ammonia, unionized	ug/l	20	4.6	8.11	10	<20	**9990**
Ammonia Nitrogen	mg/l	--	0.29	1.67	2.52[24]	5.76	3.61
Biologic Oxygen Demand, Five Day	mg/l	--	1	2	87[24]	6	8
Bromide	mg/l	--	<0.25	<0.25	0.25[24]	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	28	25	10[24]	43	85
Chloride	mg/l	--	35	47	41[24]	61	41
Color	color unit	--	29	30	46[24]	136	22
Conductivity (Field)	uS/cm	--	725	680	955	1203	991
Cyanide	ug/l	5[6]	<5	<5	<5[24]	<5	<5
Dissolved Oxygen (Field)	mg/l	--[7]	5.4	6.62	1.65	1.04	1.55
Fluoride	mg/l	--	0.17	0.14	0.18[24]	0.19	0.19
Hardness, Calcium Carbonate	mg/l	--	387	364	471[24]	466	376
Nitrate as N	mg/l	--	<0.1	0.36	<0.10[24]	<0.10	<0.10
Nitrite as N	mg/l	--	<0.1	<0.1	<0.10[24]	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	0.8	1.93	12.5[24]	5.87	5.56
pH (Field)	-	8.5	7.8	7.7	7.15	5.67	7.03
Phosphate	mg/l	--	<0.03	<0.03	--	--	--
Phosphate, Ortho	mg/l	--	--	--	<0.03[24]	0.06	<0.03
Phosphorus	ug/l	--[8]	**40**	20	**920**[24]	**120**	**210**
Sulfate	mg/l	--	<1	7	<1[24]	2	<1
Temperature (Field)	deg c	--[9]	14	2	18.5	6.1	14.3
Turbidity	ntu	--[10]	>100	2.8	>100[24]	1.4	>100
Metals							
Aluminum, dissolved	ug/l	--[11]	10	20	<10[24]	<10	<10
Arsenic	ug/l	100	<1	<1	<50[24]	<1	<50
Barium	mg/l	--	0.33	0.16	2.31[24]	0.61	0.68
Beryllium	ug/l	--[12]	<1	<1	<10[24]	<1	<10
Boron	ug/l	200[13]	**210**	130	**300**[24]	**310**	200
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<10[24]	<0.1	<10
Calcium	mg/l	--	112	106	139[24]	134	111
Chromium	ug/l	14	4	3	<50[24]	<5	<50
Cobalt	ug/l	0.9	0.6	0.5	<10[24]	**1.1**	<10
Copper	ug/l	5	<1	<1	<10[24]	2	<10
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50[24]	<50	<50
Iron	ug/l	300	**7220**	**320**	**343000**[24]	**40200**	**60900**
Lead	ug/l	16	<1	<1	<10[24]	<1	<10
Magnesium	mg/l	--	26	24	30[24]	32	24
Manganese	mg/l	--	0.41	0.41	1.48[24]	1.24	0.56
Molybdenum	ug/l	40	<5	<5	<10[24]	<5	<10
Nickel	ug/l	25	<5	<5	<10[24]	<5	<10
Potassium	mg/l	--	3	6	5[24]	9	7
Silver	ug/l	0.1	<0.1	<0.1	<10[24]	<0.1	<10
Sodium	mg/l	--	26	27	31[24]	36	28
Strontium	mg/l	--	0.344	0.285	0.59[24]	0.512	0.31
Thallium	ug/l	0.3[17]	<0.1	<0.1	<10[24]	<0.1	<10
Titanium	mg/l	--	<0.01	<0.01	<0.1[24]	<0.01	<0.1
Vanadium	ug/l	6	6	6	<50[24]	**12**	<50
Zinc	ug/l	30	<10	<10	<50[24]	10	<50
Zirconium	ug/l	4[13]	<10	<1	<20[24]	<2	<20
VOCs							
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10[18]	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	<0.5	--	--	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	<0.4	--	--	--
1,1-Dichloroethylene	ug/l	40	--	<0.5	--	--	--
1,2-Dibromoethane	ug/l	5[13]	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	<0.4	--	--	--
1,2-Dichloroethane	ug/l	100	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7[13]	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	<0.4	--	--	--
Methyl Ethyl Ketone	ug/l	400[13]	--	<20	--	--	--

Parameter	Unit	[2] [1] PWQO	SW03-1 03-Jun-2008	SW03-1 30-Nov-2008	SW03-1 03-Jun-2009 [28] S-12	SW03-1 25-Nov-2009 03-1	SW03-1 06-May-2010 [29] S-13
2-Hexanone	ug/l	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--
Acetone	ug/l	--	--	<100	--	--	--
Benzene	ug/l	100 [17]	--	<0.5	--	--	--
Bromodichloromethane	ug/l	200 [13]	--	<0.3	--	--	--
Bromoform	ug/l	60 [13]	--	--	--	--	--
Bromomethane	ug/l	0.9 [19]	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--
Chlorobenzene	ug/l	15 [20]	--	<0.2	--	--	--
Chloroethane	ug/l	--	--	<1	--	--	--
Chloroform	ug/l	--	--	<0.5	--	--	--
Chloromethane	ug/l	700 [13]	--	<1	--	--	--
cis-1,2-Dichloroethene	ug/l	200 [21]	--	<0.4	--	--	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 [12]	--	--	--	--	--
Ethylbenzene	ug/l	8	--	<0.5	--	--	--
m,p-Xylenes	ug/l	--	--	<1	--	--	--
Methyl tert-Butyl Ether	ug/l	200 [13]	--	--	--	--	--
Methylene Chloride	ug/l	100 [22]	--	<4	--	--	--
o-Xylene	ug/l	40 [17]	--	<0.5	--	--	--
Styrene	ug/l	4 [17]	--	--	--	--	--
Tetrachloroethylene	ug/l	50 [23]	--	<0.3	--	--	--
Toluene	ug/l	0.8	--	<0.5	--	--	--
trans-1,2-Dichloroethene	ug/l	200 [21]	--	<0.4	--	--	--
trans-1,3-Dichloropropene	ug/l	7 [13]	--	--	--	--	--
Trichloroethene	ug/l	20	--	<0.3	--	--	--
Trichlorofluoromethane	ug/l	--	--	<0.5	--	--	--
Vinyl Chloride	ug/l	600 [13]	--	<0.2	--	--	--
Phenols							
Phenolics, Total Recoverable	ug/l	1 [3]	<1	<1	<1 [9]	<1	<1

Parameter	Unit	[2] [1] PWQO	SW03-1 30-Nov-2010 [26] S-14	SW03-1 11-May-2011 [4] SW-9	SW03-1 14-Nov-2011 [26] S-8	SW03-1 29-May-2012 SW03-1
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	478	373	234	461
Ammonia, unionized	ug/l	20	**140**	<20	<20	20
Ammonia Nitrogen	mg/l	--	3.93	1.72	0.96	2.53
Biologic Oxygen Demand, Five Day	mg/l	--	5	2	1	6
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	35	30	55	48
Chloride	mg/l	--	31	20	22	29
Color	color unit	--	13	23	91	25
Conductivity (Field)	uS/cm	--	749	725	490	875
Cyanide	ug/l	5[6]	<5	<2	<10	<2
Dissolved Oxygen (Field)	mg/l	--[7]	1.29	2.69	0.56	1.15
Fluoride	mg/l	--	0.17	0.19	<0.10	0.19
Hardness, Calcium Carbonate	mg/l	--	460	337	238	346
Nitrate as N	mg/l	--	<0.10	<0.10	<0.10	<0.10
Nitrite as N	mg/l	--	<0.10	<0.10	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	24.6	2.01	1.51	3.07
pH (Field)	-	8.5	--	7.06	7.16	6.91
Phosphate	mg/l	--	--	--	--	--
Phosphate, Ortho	mg/l	--	<0.03	<0.03	<0.03	<0.03
Phosphorus	ug/l	--[8]	20	10	10	**50**
Sulfate	mg/l	--	<1	<1	2	<1
Temperature (Field)	deg c	--[9]	5.2	19.7	12.4	23.90
Turbidity	ntu	--[10]	>100	39.6	39.3	72.1
Metals						
Aluminum, dissolved	ug/l	--[11]	10	<10	20	<10
Arsenic	ug/l	100	<1	<1	<1	<1
Barium	mg/l	--	0.38	0.43	0.29	0.64
Beryllium	ug/l	--[12]	<1	<0.5	<0.5	<0.5
Boron	ug/l	200[13]	150	150	70	170
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	138	97	69	99
Chromium	ug/l	14	2	3	3	4
Cobalt	ug/l	0.9	**1.1**	**1.1**	0.9	0.7
Copper	ug/l	5	<1	<1	<1	<1
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	<50
Iron	ug/l	300	**18800**	**15400**	**17100**	**22200**
Lead	ug/l	16	<1	<1	<1	<1
Magnesium	mg/l	--	28	23	16	24
Manganese	mg/l	--	0.90	0.50	0.48	0.52
Molybdenum	ug/l	40	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5
Potassium	mg/l	--	7	5	3	4
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	25	18	13	21
Strontium	mg/l	--	0.366	0.316	0.217	0.384
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	5	5	3	**8**
Zinc	ug/l	30	<10	<10	<10	<10
Zirconium	ug/l	4[13]	<2	<2	<2	<2
VOCs						
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--	--	--	--
1,1,1-Trichloroethane	ug/l	10[18]	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	--	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	--	--	--
1,1-Dichloroethylene	ug/l	40	--	--	--	--
1,2-Dibromoethane	ug/l	5[13]	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	--	--
1,2-Dichloroethane	ug/l	100	--	--	--	--
1,2-Dichloropropane	ug/l	0.7[13]	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	--	--	--
Methyl Ethyl Ketone	ug/l	400[13]	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW03-1 30-Nov-2010 [26] S-14	SW03-1 11-May-2011 [4] SW-9	SW03-1 14-Nov-2011 [26] S-8	SW03-1 29-May-2012 SW03-1
2-Hexanone	ug/l	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--
Acetone	ug/l	--	--	--	--	--
Benzene	ug/l	100 [17]	--	--	--	--
Bromodichloromethane	ug/l	200 [13]	--	--	--	--
Bromoform	ug/l	60 [13]	--	--	--	--
Bromomethane	ug/l	0.9 [19]	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--
Chlorobenzene	ug/l	15 [20]	--	--	--	--
Chloroethane	ug/l	--	--	--	--	--
Chloroform	ug/l	--	--	--	--	--
Chloromethane	ug/l	700 [13]	--	--	--	--
cis-1,2-Dichloroethene	ug/l	200 [21]	--	--	--	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--
Dibromochloromethane	ug/l	40 [12]	--	--	--	--
Ethylbenzene	ug/l	8	--	--	--	--
m,p-Xylenes	ug/l	--	--	--	--	--
Methyl tert-Butyl Ether	ug/l	200 [13]	--	--	--	--
Methylene Chloride	ug/l	100 [22]	--	--	--	--
o-Xylene	ug/l	40 [17]	--	--	--	--
Styrene	ug/l	4 [17]	--	--	--	--
Tetrachloroethylene	ug/l	50 [23]	--	--	--	--
Toluene	ug/l	0.8	--	--	--	--
trans-1,2-Dichloroethene	ug/l	200 [21]	--	--	--	--
trans-1,3-Dichloropropene	ug/l	7 [13]	--	--	--	--
Trichloroethene	ug/l	20	--	--	--	--
Trichlorofluoromethane	ug/l	--	--	--	--	--
Vinyl Chloride	ug/l	600 [13]	--	--	--	--
Phenols						
Phenolics, Total Recoverable	ug/l	1 [3]	<1	<1	<1	<1

Parameter	Unit	[2] [1] PWQO	SW03-1 22-Nov-2012 [5] B - 9
General Chemistry			
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	349
Ammonia, unionized	ug/l	20	<20
Ammonia Nitrogen	mg/l	--	1.34
Biologic Oxygen Demand, Five Day	mg/l	--	6
Bromide	mg/l	--	<0.25
Chemical Oxygen Demand	mg/l	--	54
Chloride	mg/l	--	28
Color	color unit	--	33
Conductivity (Field)	uS/cm	--	620
Cyanide	ug/l	5[6]	<2
Dissolved Oxygen (Field)	mg/l	--[7]	0.49
Fluoride	mg/l	--	0.13
Hardness, Calcium Carbonate	mg/l	--	337
Nitrate as N	mg/l	--	<0.10
Nitrite as N	mg/l	--	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	2.53
pH (Field)	-	8.5	7.1
Phosphate	mg/l	--	--
Phosphate, Ortho	mg/l	--	<0.03
Phosphorus	ug/l	--[8]	**60**
Sulfate	mg/l	--	4
Temperature (Field)	deg c	--[9]	5
Turbidity	ntu	--[10]	>100
Metals			
Aluminum, dissolved	ug/l	--[11]	<10
Arsenic	ug/l	100	<1
Barium	mg/l	--	0.22
Beryllium	ug/l	--[12]	<0.5
Boron	ug/l	200[13]	170
Cadmium	ug/l	0.2[13]	<0.1
Calcium	mg/l	--	97
Chromium	ug/l	14	1
Cobalt	ug/l	0.9	0.7
Copper	ug/l	5	<1
Hexavalent Chromium	ug/l	1[15]	<50
Iron	ug/l	300	**13600**
Lead	ug/l	16	<1
Magnesium	mg/l	--	23
Manganese	mg/l	--	0.64
Molybdenum	ug/l	40	<5
Nickel	ug/l	25	<5
Potassium	mg/l	--	5
Silver	ug/l	0.1	<0.1
Sodium	mg/l	--	21
Strontium	mg/l	--	0.271
Thallium	ug/l	0.3[17]	<0.1
Titanium	mg/l	--	<0.01
Vanadium	ug/l	6	3
Zinc	ug/l	30	<10
Zirconium	ug/l	4[13]	<2
VOCs			
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--
1,1,1-Trichloroethane	ug/l	10[18]	--
1,1,2,2-Tetrachloroethane	ug/l	70	--
1,1,2-Trichloroethane	ug/l	800	--
1,1-Dichloroethane	ug/l	200	--
1,1-Dichloroethylene	ug/l	40	--
1,2-Dibromoethane	ug/l	5[13]	--
1,2-Dichlorobenzene	ug/l	2.5	--
1,2-Dichloroethane	ug/l	100	--
1,2-Dichloropropane	ug/l	0.7[13]	--
1,3,5-Trimethylbenzene	ug/l	--	--
1,3-Dichlorobenzene	ug/l	2.5	--
1,4-Dichlorobenzene	ug/l	4	--
Methyl Ethyl Ketone	ug/l	400[13]	--

Parameter	Unit	[2] [1] PWQO	SW03-1 22-Nov-2012 [5] B - 9
2-Hexanone	ug/l	--	--
Methyl Isobutyl Ketone	ug/l	--	--
Acetone	ug/l	--	--
Benzene	ug/l	100 [17]	--
Bromodichloromethane	ug/l	200 [13]	--
Bromoform	ug/l	60 [13]	--
Bromomethane	ug/l	0.9 [19]	--
Carbon Tetrachloride	ug/l	--	--
Chlorobenzene	ug/l	15 [20]	--
Chloroethane	ug/l	--	--
Chloroform	ug/l	--	--
Chloromethane	ug/l	700 [13]	--
cis-1,2-Dichloroethene	ug/l	200 [21]	--
cis-1,3-Dichloropropene	ug/l	--	--
Dibromochloromethane	ug/l	40 [12]	--
Ethylbenzene	ug/l	8	--
m,p-Xylenes	ug/l	--	--
Methyl tert-Butyl Ether	ug/l	200 [13]	--
Methylene Chloride	ug/l	100 [22]	--
o-Xylene	ug/l	40 [17]	--
Styrene	ug/l	4 [17]	--
Tetrachloroethylene	ug/l	50 [23]	--
Toluene	ug/l	0.8	--
trans-1,2-Dichloroethene	ug/l	200 [21]	--
trans-1,3-Dichloropropene	ug/l	7 [13]	--
Trichloroethene	ug/l	20	--
Trichlorofluoromethane	ug/l	--	--
Vinyl Chloride	ug/l	600 [13]	--
Phenols			
Phenolics, Total Recoverable	ug/l	1 [3]	<1

Parameter	Unit	[2] [1] PWQO	SW04-1 07-Apr-2004	SW04-1 06-Dec-2005	SW04-1 31-May-2006	SW04-1 01-Dec-2006	SW04-1 29-Nov-2007
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	-- [3]	153	300	203	--	236
Ammonia, unionized	ug/l	20	--	1.07	0.14	--	0.56
Ammonia Nitrogen	mg/l	--	<0.03	0.51	0.04	--	0.46
Biologic Oxygen Demand, Five Day	mg/l	--	0.6	<1	<1	--	<1
Bromide	mg/l	--	<0.5	<0.05	<0.05	--	<0.25
Chemical Oxygen Demand	mg/l	--	24	24	15	--	10
Chloride	mg/l	--	6	58	2	--	36
Color	color unit	--	3	12	30	--	29
Conductivity (Field)	uS/cm	--	--	405	495	--	610
Cyanide	ug/l	5 [6]	<1	<5	**13**	--	<5
Dissolved Oxygen (Field)	mg/l	-- [7]	--	9.82	10.42	--	9.88
Fluoride	mg/l	--	0.1	0.15	<0.1	--	0.11
Hardness, Calcium Carbonate	mg/l	--	153.5	351	209	--	341
Nitrate as N	mg/l	--	0.2	0.42	0.18	--	0.2
Nitrite as N	mg/l	--	<0.2	<0.1	<0.1	--	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	0.42	0.6	0.64	--	0.63
pH (Field)	-	8.5	--	7.3	7.3	--	7.1
Phosphate	mg/l	--	<1	0.14	0.12	--	<0.03
Phosphate, Ortho	mg/l	--	--	--	--	--	--
Phosphorus	ug/l	-- [8]	27	<10	10	--	30
Sulfate	mg/l	--	18.3	47	6	--	114
Temperature (Field)	deg c	-- [9]	--	3	9	--	2
Turbidity	ntu	-- [10]	1.3	2.9	6.8	--	2.2
Metals							
Aluminum, dissolved	ug/l	-- [11]	7	<10	10	--	20
Arsenic	ug/l	100	<2	<1	<1	--	<1
Barium	mg/l	--	0.015	0.14	0.02	--	0.1
Beryllium	ug/l	-- [12]	<1	<1	<1	--	<1
Boron	ug/l	200 [13]	10	100	20	--	120
Cadmium	ug/l	0.2 [13]	<0.1	<0.1	<0.1	--	<0.1
Calcium	mg/l	--	45.6	106	64	--	107
Chromium	ug/l	14	<5	2	<1	--	<1
Cobalt	ug/l	0.9	0.1	0.3	0.3	--	0.5
Copper	ug/l	5	1.3	<1	3	--	<1
Hexavalent Chromium	ug/l	1 [15]	--	<50	<50	--	<50
Iron	ug/l	300	200	300	**340**	--	**350**
Lead	ug/l	-- [16]	<0.5	<1	<1	--	<1
Magnesium	mg/l	--	9.6	21	12	--	18
Manganese	mg/l	--	0.021	0.21	0.03	--	0.21
Molybdenum	ug/l	40	<1	<5	<5	--	<5
Nickel	ug/l	25	<1	<5	<5	--	<5
Potassium	mg/l	--	1.8	4	2	--	3
Silver	ug/l	0.1	<0.1	<0.1	<0.1	--	<0.1
Sodium	mg/l	--	2.9	27	3	--	21
Strontium	mg/l	--	0.08	0.23	0.124	--	0.23
Thallium	ug/l	0.3 [17]	<0.05	<0.1	<0.1	--	<0.1
Titanium	mg/l	--	0.007	<0.01	<0.01	--	<0.01
Vanadium	ug/l	6	<0.5	<1	<1	--	1
Zinc	ug/l	30	**50**	<10	<10	--	20
Zirconium	ug/l	4 [13]	<1	<1	<5	--	<1
VOCs							
1,1,2,2-Tetrachloroethane	ug/l	70	--	<0.5	--	--	<0.5
1,1-Dichloroethane	ug/l	200	--	<0.4	--	--	<0.4
1,1-Dichloroethylene	ug/l	40	--	<0.5	--	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	--	<0.4	--	--	<0.4
1,4-Dichlorobenzene	ug/l	4	--	<0.4	--	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	--	<20	--	--	<20
Acetone	ug/l	--	--	<100	--	--	<100
Benzene	ug/l	100 [17]	--	<0.5	--	--	<0.5
Bromodichloromethane	ug/l	200 [13]	--	<0.3	--	--	<0.3
Chlorobenzene	ug/l	15 [20]	--	<0.2	--	--	<0.2
Chloroethane	ug/l	--	--	<1	--	--	<1
Chloroform	ug/l	--	--	<0.5	--	--	<0.5
Chloromethane	ug/l	700 [13]	--	<1	--	--	<1

Parameter	Unit	[2] [1] PWQO	SW04-1 07-Apr-2004	SW04-1 06-Dec-2005	SW04-1 31-May-2006	SW04-1 01-Dec-2006	SW04-1 29-Nov-2007
cis-1,2-Dichloroethene	ug/l	200 [21]	--	<0.4	--	--	<0.4
Ethylbenzene	ug/l	8	--	<0.5	--	--	<0.5
m,p-Xylenes	ug/l	--	--	<1	--	--	<1
Methylene Chloride	ug/l	100 [22]	--	<4	--	--	<4
o-Xylene	ug/l	40 [17]	--	<0.5	--	--	<0.5
Tetrachloroethylene	ug/l	50 [23]	--	<0.3	--	--	<0.3
Toluene	ug/l	0.8	--	<0.5	--	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [21]	--	<0.4	--	--	<0.4
Trichloroethene	ug/l	20	--	<0.3	--	--	<0.3
Trichlorofluoromethane	ug/l	--	--	<0.5	--	--	<0.5
Vinyl Chloride	ug/l	600 [13]	--	<0.2	--	--	<0.2
Phenols							
Phenolics, Total Recoverable	ug/l	1 [3]	<1	<1	<1	--	<1

Parameter	Unit	[2] [1] PWQO	SW04-1 03-Jun-2009 [25] S-19	SW04-1 25-Nov-2009 [25] SW04-1	SW04-1 06-May-2010 S-9	SW04-1 30-Nov-2010 [25] SW04-1	SW04-1 11-May-2011 [25] SW04-1
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	-- [3]	--	--	193	--	--
Ammonia, unionized	ug/l	20	--	--	**350**	--	--
Ammonia Nitrogen	mg/l	--	--	--	<0.02	--	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	3	--	--
Bromide	mg/l	--	--	--	<0.25	--	--
Chemical Oxygen Demand	mg/l	--	--	--	35	--	--
Chloride	mg/l	--	--	--	3	--	--
Color	color unit	--	--	--	28	--	--
Conductivity (Field)	uS/cm	--	--	--	337	--	--
Cyanide	ug/l	5 [6]	--	--	<5	--	--
Dissolved Oxygen (Field)	mg/l	-- [7]	--	--	8.06	--	--
Fluoride	mg/l	--	--	--	0.13	--	--
Hardness, Calcium Carbonate	mg/l	--	--	--	194	--	--
Nitrate as N	mg/l	--	--	--	0.11	--	--
Nitrite as N	mg/l	--	--	--	<0.10	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.43	--	--
pH (Field)	-	8.5	--	--	7.91	--	--
Phosphate	mg/l	--	--	--	--	--	--
Phosphate, Ortho	mg/l	--	--	--	<0.03	--	--
Phosphorus	ug/l	-- [8]	--	--	20	--	--
Sulfate	mg/l	--	--	--	8	--	--
Temperature (Field)	deg c	-- [9]	--	--	12.1	--	--
Turbidity	ntu	-- [10]	--	--	1.0	--	--
Metals							
Aluminum, dissolved	ug/l	-- [11]	--	--	10	--	--
Arsenic	ug/l	100	--	--	<1	--	--
Barium	mg/l	--	--	--	0.02	--	--
Beryllium	ug/l	-- [12]	--	--	<1	--	--
Boron	ug/l	200 [13]	--	--	20	--	--
Cadmium	ug/l	0.2 [13]	--	--	<0.1	--	--
Calcium	mg/l	--	--	--	58	--	--
Chromium	ug/l	14	--	--	<1	--	--
Cobalt	ug/l	0.9	--	--	<0.2	--	--
Copper	ug/l	5	--	--	2	--	--
Hexavalent Chromium	ug/l	1 [15]	--	--	<50	--	--
Iron	ug/l	300	--	--	190	--	--
Lead	ug/l	-- [16]	--	--	<1	--	--
Magnesium	mg/l	--	--	--	12	--	--
Manganese	mg/l	--	--	--	0.03	--	--
Molybdenum	ug/l	40	--	--	<5	--	--
Nickel	ug/l	25	--	--	<5	--	--
Potassium	mg/l	--	--	--	2	--	--
Silver	ug/l	0.1	--	--	<0.1	--	--
Sodium	mg/l	--	--	--	2	--	--
Strontium	mg/l	--	--	--	0.119	--	--
Thallium	ug/l	0.3 [17]	--	--	<0.1	--	--
Titanium	mg/l	--	--	--	<0.01	--	--
Vanadium	ug/l	6	--	--	<1	--	--
Zinc	ug/l	30	--	--	<10	--	--
Zirconium	ug/l	4 [13]	--	--	<2	--	--
VOCs							
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	<0.5	--	--
1,1-Dichloroethane	ug/l	200	--	--	<0.4	--	--
1,1-Dichloroethylene	ug/l	40	--	--	<0.5	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	<0.4	--	--
1,4-Dichlorobenzene	ug/l	4	--	--	<0.4	--	--
Methyl Ethyl Ketone	ug/l	400 [13]	--	--	<10	--	--
Acetone	ug/l	--	--	--	<50	--	--
Benzene	ug/l	100 [17]	--	--	<0.5	--	--
Bromodichloromethane	ug/l	200 [13]	--	--	<0.3	--	--
Chlorobenzene	ug/l	15 [20]	--	--	<0.2	--	--
Chloroethane	ug/l	--	--	--	<1.0	--	--
Chloroform	ug/l	--	--	--	<0.5	--	--
Chloromethane	ug/l	700 [13]	--	--	<1.0	--	--

Parameter	Unit	[2] [1] PWQO	SW04-1 03-Jun-2009 [25] S-19	SW04-1 25-Nov-2009 [25] SW04-1	SW04-1 06-May-2010 S-9	SW04-1 30-Nov-2010 [25] SW04-1	SW04-1 11-May-2011 [25] SW04-1
cis-1,2-Dichloroethene	ug/l	200 [21]	--	--	<0.4	--	--
Ethylbenzene	ug/l	8	--	--	<0.5	--	--
m,p-Xylenes	ug/l	--	--	--	<1.0	--	--
Methylene Chloride	ug/l	100 [22]	--	--	<4.0	--	--
o-Xylene	ug/l	40 [17]	--	--	<0.5	--	--
Tetrachloroethylene	ug/l	50 [23]	--	--	<0.3	--	--
Toluene	ug/l	0.8	--	--	<0.5	--	--
trans-1,2-Dichloroethene	ug/l	200 [21]	--	--	<0.4	--	--
Trichloroethene	ug/l	20	--	--	<0.3	--	--
Trichlorofluoromethane	ug/l	--	--	--	<0.5	--	--
Vinyl Chloride	ug/l	600 [13]	--	--	<0.2	--	--
Phenols							
Phenolics, Total Recoverable	ug/l	1 [3]	--	--	<1	--	--

Parameter	Unit	[2] [1] PWQO	SW04-1 14-Nov-2011 [25] SW04-1	SW04-1 29-May-2012 [25] SW04-1	SW04-1 22-Nov-2012 [25] SW04-1
General Chemistry					
Alkalinity, Carbonate as CaCO3	mg/L	-- [3]	--	--	--
Ammonia, unionized	ug/l	20	--	--	--
Ammonia Nitrogen	mg/l	--	--	--	--
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	--
Bromide	mg/l	--	--	--	--
Chemical Oxygen Demand	mg/l	--	--	--	--
Chloride	mg/l	--	--	--	--
Color	color unit	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	--
Cyanide	ug/l	5 [6]	--	--	--
Dissolved Oxygen (Field)	mg/l	-- [7]	--	--	--
Fluoride	mg/l	--	--	--	--
Hardness, Calcium Carbonate	mg/l	--	--	--	--
Nitrate as N	mg/l	--	--	--	--
Nitrite as N	mg/l	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	--
pH (Field)	-	8.5	--	--	--
Phosphate	mg/l	--	--	--	--
Phosphate, Ortho	mg/l	--	--	--	--
Phosphorus	ug/l	-- [8]	--	--	--
Sulfate	mg/l	--	--	--	--
Temperature (Field)	deg c	-- [9]	--	--	--
Turbidity	ntu	-- [10]	--	--	--
Metals					
Aluminum, dissolved	ug/l	-- [11]	--	--	--
Arsenic	ug/l	100	--	--	--
Barium	mg/l	--	--	--	--
Beryllium	ug/l	-- [12]	--	--	--
Boron	ug/l	200 [13]	--	--	--
Cadmium	ug/l	0.2 [13]	--	--	--
Calcium	mg/l	--	--	--	--
Chromium	ug/l	14	--	--	--
Cobalt	ug/l	0.9	--	--	--
Copper	ug/l	5	--	--	--
Hexavalent Chromium	ug/l	1 [15]	--	--	--
Iron	ug/l	300	--	--	--
Lead	ug/l	-- [16]	--	--	--
Magnesium	mg/l	--	--	--	--
Manganese	mg/l	--	--	--	--
Molybdenum	ug/l	40	--	--	--
Nickel	ug/l	25	--	--	--
Potassium	mg/l	--	--	--	--
Silver	ug/l	0.1	--	--	--
Sodium	mg/l	--	--	--	--
Strontium	mg/l	--	--	--	--
Thallium	ug/l	0.3 [17]	--	--	--
Titanium	mg/l	--	--	--	--
Vanadium	ug/l	6	--	--	--
Zinc	ug/l	30	--	--	--
Zirconium	ug/l	4 [13]	--	--	--
VOCs					
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	--
1,1-Dichloroethane	ug/l	200	--	--	--
1,1-Dichloroethylene	ug/l	40	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	--	--
Methyl Ethyl Ketone	ug/l	400 [13]	--	--	--
Acetone	ug/l	--	--	--	--
Benzene	ug/l	100 [17]	--	--	--
Bromodichloromethane	ug/l	200 [13]	--	--	--
Chlorobenzene	ug/l	15 [20]	--	--	--
Chloroethane	ug/l	--	--	--	--
Chloroform	ug/l	--	--	--	--
Chloromethane	ug/l	700 [13]	--	--	--

Parameter	Unit	[2] [1] PWQO	SW04-1 14-Nov-2011 [25] SW04-1	SW04-1 29-May-2012 [25] SW04-1	SW04-1 22-Nov-2012 [25] SW04-1
cis-1,2-Dichloroethene	ug/l	200 [21]	--	--	--
Ethylbenzene	ug/l	8	--	--	--
m,p-Xylenes	ug/l	--	--	--	--
Methylene Chloride	ug/l	100 [22]	--	--	--
o-Xylene	ug/l	40 [17]	--	--	--
Tetrachloroethylene	ug/l	50 [23]	--	--	--
Toluene	ug/l	0.8	--	--	--
trans-1,2-Dichloroethene	ug/l	200 [21]	--	--	--
Trichloroethene	ug/l	20	--	--	--
Trichlorofluoromethane	ug/l	--	--	--	--
Vinyl Chloride	ug/l	600 [13]	--	--	--
Phenols					
Phenolics, Total Recoverable	ug/l	1 [3]	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-1 19-Apr-2002	SW-1 03-May-2003	SW-1 24-Nov-2003	SW-1 07-Apr-2004	SW-1 24-Sep-2004	SW-1 28-Nov-2004
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	180	210	227	168	305	253
Ammonia, unionized	ug/l	20	0.08	0.04	0.02	0.01	0.04	0.03
Ammonia Nitrogen	mg/l	--	0.03	<0.02	<0.02	<0.03	<0.03	<0.03
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	<1	<0.5	<0.5	<0.5
Chemical Oxygen Demand	mg/l	--	<5	<5	7	5	6	7
Chloride	mg/l	--	2	1	<1	1.3	0.7	0.8
Color	color unit	--	3	2	5	<2	<2	<2
Conductivity (Field)	uS/cm	--	310	280	380	329	500	410
Dissolved Oxygen	mg/l	--(7)	10.15	11.25	4.99	8.41	8.66	9.11
Dissolved Oxygen (Field)	mg/l	--(7)	10.15	11.25	4.99	8.41	8.66	9.11
Hardness, Calcium Carbonate	mg/l	--	177	230	246	192.1	324.3	271.6
Nitrogen, Organic	mg/l	--	0.16	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.19	0.21	0.15	0.09	0.09	0.12
pH (Field)	-	8.5	7.23	7.2	7	6.4	6.7	7
Temperature (Field)	deg c	--(9)	8	6	4	3	16	1
Turbidity	ntu	--(10)	0.1	0.1	0.3	<0.2	0.5	0.5
Metals								
Boron	ug/l	200(13)	<50	<50	<10	<10	<10	<10
Calcium	mg/l	--	46	59	64	48.6	82.1	68.6
Iron	ug/l	300	--	<10	<10	<10	20	70
Magnesium	mg/l	--	15	20	21	17.1	28.9	24.3
Potassium	mg/l	--	<1	<1	<1	<1	<1	<1
Sodium	mg/l	--	<2	<2	2	0.9	0.8	1.1
Strontium	mg/l	--	0.029	0.038	0.043	0.032	0.053	0.044

Parameter	Unit	[2] [1] PWQO	SW-1 18-Apr-2005	SW-1 25-Sep-2005 [25]	SW-1 06-Dec-2005	SW-1 31-May-2006	SW-1 01-Dec-2006
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	210	--	221	281	191
Ammonia, unionized	ug/l	20	0.05	--	0.3	0.11	0.1
Ammonia Nitrogen	mg/l	--	<0.02	--	0.13	0.03	0.03
Biologic Oxygen Demand, Five Day	mg/l	--	<1	--	<1	2	<1
Chemical Oxygen Demand	mg/l	--	<5	--	<5	<5	5
Chloride	mg/l	--	<1	--	1	<1	1
Color	color unit	--	3	--	3	3	3
Conductivity (Field)	uS/cm	--	480	--	595	395	290
Dissolved Oxygen	mg/l	--[7]	11.08	--	10.88	11.81	11.41
Dissolved Oxygen (Field)	mg/l	--[7]	11.08	--	10.88	11.81	11.41
Hardness, Calcium Carbonate	mg/l	--	240	--	209	285	190
Nitrogen, Organic	mg/l	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	<0.05	--	0.16	<0.05	0.2
pH (Field)	-	8.5	7.3	--	7.3	7.4	7.5
Temperature (Field)	deg c	--[9]	6	--	4	7	3
Turbidity	ntu	--[10]	0.4	--	0.5	0.2	0.3
Metals							
Boron	ug/l	200[13]	<10	--	<10	<10	<10
Calcium	mg/l	--	60	--	54	73	48
Iron	ug/l	300	10	--	<30	<30	<30
Magnesium	mg/l	--	22	--	18	25	17
Potassium	mg/l	--	<1	--	<1	<1	<1
Sodium	mg/l	--	<2	--	<2	<2	<2
Strontium	mg/l	--	0.036	--	0.038	0.047	0.033

Parameter	Unit	[2] [1] PWQO	SW-1 07-May-2007	SW-1 29-Nov-2007	SW-1 03-Jun-2008	SW-1 30-Nov-2008	SW-1 03-Jun-2009 S-1	SW-1 25-Nov-2009 SW-1
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	217	219	244	218	257	289
Ammonia, unionized	ug/l	20	0.2	0.05	0.1	0.04	<20	<20
Ammonia Nitrogen	mg/l	--	0.06	<0.02	<0.02	<0.02	0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	2	<1	<1	<1	<1	<1
Chemical Oxygen Demand	mg/l	--	<5	<5	<5	15	8	5
Chloride	mg/l	--	1	1	2	<1	1	<1
Color	color unit	--	2	6	4	2	8	2
Conductivity (Field)	uS/cm	--	290	432	452	408	456	545
Dissolved Oxygen	mg/l	--[7]	12.12	11.72	12.9	13.94	--	--
Dissolved Oxygen (Field)	mg/l	--[7]	12.12	11.72	12.9	13.94	8.00	12.23
Hardness, Calcium Carbonate	mg/l	--	217	214	18	228	266	282
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.11	0.29	0.4	<0.1	<0.10	0.14
pH (Field)	-	8.5	7.4	7.4	7.4	7.3	7.8	6.89
Temperature (Field)	deg c	--[9]	6	3	9	3	11	7.3
Turbidity	ntu	--[10]	0.2	0.4	2.1	0.5	0.8	0.3
Metals								
Boron	ug/l	200[13]	<10	<10	<10	<10	<10	<10
Calcium	mg/l	--	54	56	4	60	67	70
Iron	ug/l	300	110	<30	250	<30	<30	<30
Magnesium	mg/l	--	20	18	2	19	24	26
Potassium	mg/l	--	<1	<1	<1	<1	<1	<1
Sodium	mg/l	--	<2	<2	<2	<2	<2	<2
Strontium	mg/l	--	0.031	0.04	0.041	0.041	0.045	0.047

Parameter	Unit	(2) (1) PWQO	SW-1 06-May-2010 S-18	SW-1 30-Nov-2010 S-1	SW-1 11-May-2011 SW-1	SW-1 14-Nov-2011 (25) SW-1	SW-1 29-May-2012 SW-1	SW-1 22-Nov-2012 (25) SW-1
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	248	261	205	--	267	--
Ammonia, unionized	ug/l	20	**260**	<20	<20	--	<20	--
Ammonia Nitrogen	mg/l	--	<0.02	<0.02	0.03	--	<0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	<1	1	<1	--	<1	--
Chemical Oxygen Demand	mg/l	--	5	8	5	--	8	--
Chloride	mg/l	--	<1	<1	<1	--	1	--
Color	color unit	--	2	2	4	--	6	--
Conductivity (Field)	uS/cm	--	472	379	376	--	464	--
Dissolved Oxygen	mg/l	--(7)	--	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	--(7)	9.91	7.66	6.62	--	9.76	--
Hardness, Calcium Carbonate	mg/l	--	223	277	195	--	222	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.15	<0.10	<0.10	--	0.16	--
pH (Field)	-	8.5	7.83	--	7.53	--	7.51	--
Temperature (Field)	deg c	--(9)	10.8	6.3	8.5	--	12.20	--
Turbidity	ntu	--(10)	0.4	0.2	0.2	--	0.3	--
Metals								
Boron	ug/l	200(13)	<10	<10	<10	--	<10	--
Calcium	mg/l	--	58	73	50	--	56	--
Iron	ug/l	300	<30	<30	<30	--	<30	--
Magnesium	mg/l	--	19	23	17	--	20	--
Potassium	mg/l	--	<1	<1	<1	--	<1	--
Sodium	mg/l	--	<2	<2	<2	--	3	--
Strontium	mg/l	--	0.041	0.041	0.033	--	0.043	--

Parameter	Unit	(2) (1) PWQO	SW-2 19-Apr-2002	SW-2 03-May-2003	SW-2 24-Nov-2003	SW-2 07-Apr-2004	SW-2 24-Sep-2004	SW-2 28-Nov-2004
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	194	166	225	173	269	215
Ammonia, unionized	ug/l	20	0.64	0.03	0.03	0.01	0.06	0.16
Ammonia Nitrogen	mg/l	--	0.11	<0.02	0.03	<0.03	0.03	0.18
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	<1	<0.5	<0.5	1.1
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.5	<0.5	<0.5
Chemical Oxygen Demand	mg/l	--	15	12	18	8	30	30
Chloride	mg/l	--	33	28	3	27.2	23.4	17
Color	color unit	--	35	27	26	13	52	80
Conductivity (Field)	uS/cm	--	480	320	410	395	510	395
Cyanide	ug/l	5(6)	<5	<5	<5	<1	<1	<1
Dissolved Oxygen (Field)	mg/l	--(7)	4.62	6.2	4.91	9.31	8.99	9.14
Fluoride	mg/l	--	0.14	0.13	0.92	<0.1	<0.1	0.1
Hardness, Calcium Carbonate	mg/l	--	192	185	249	168.8	253.5	210.3
Nitrate as N	mg/l	--	<0.1	<0.1	<0.1	<0.2	<0.2	0.5
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2
Nitrogen, Organic	mg/l	--	0.31	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.42	0.3	0.07	0.21	0.57	1.04
pH (Field)	-	8.5	7.3	7.1	6.9	6.6	6.9	7
Phosphate	mg/l	--	<0.03	0.03	0.04	<1	<1	<1
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	30	20	30	9	27	**54**
Sulfate	mg/l	--	18	17	36	14.2	1.9	13.9
Temperature (Field)	deg c	--(9)	16	6	5	1	15	1
Turbidity	ntu	--(10)	0.3	0.6	1.6	0.4	2.4	2.8
Metals								
Aluminum, dissolved	ug/l	--(11)	<50	<10	<10	<5	6	6
Arsenic	ug/l	100	<1	<1	<1	<2	<2	<2
Barium	mg/l	--	0.02	0.02	0.01	0.019	0.033	0.027
Beryllium	ug/l	--(12)	<2	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	<50	<50	<10	9	12	39
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	52	51	60	44.2	71.1	54.4
Chromium	ug/l	--(14)	<1	5	1	<5	<5	<5
Cobalt	ug/l	0.9	<0.2	<0.2	<0.2	<0.1	0.2	<0.1
Copper	ug/l	5	<1	1	1	0.6	1.8	2.2
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	--	--	--
Iron	ug/l	300	20	30	20	<30	180	220
Lead	ug/l	--(16)	<1	<1	<1	<0.5	<0.5	<0.5
Magnesium	mg/l	--	15	14	24	14.1	18.4	18
Manganese	mg/l	--	<0.01	<0.005	<0.01	<0.005	0.133	0.037
Molybdenum	ug/l	40	<10	<5	<5	<1	<1	<1
Nickel	ug/l	25	<10	<5	<5	<1	<1	<1
Potassium	mg/l	--	<1	<1	<1	0.8	0.9	7.8
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	21	16	1	12	14	7.8
Strontium	mg/l	--	0.137	0.118	0.033	0.088	0.216	0.087
Thallium	ug/l	0.3(17)	<1	<1	<1	<0.05	<0.05	<0.05
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005
Vanadium	ug/l	6	<1	2	<1	<0.5	<0.5	<0.5
Zinc	ug/l	30	<10	<5	<10	<5	8	10
Zirconium	ug/l	4(13)	<1	**7**	<10	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW-2 18-Apr-2005	SW-2 25-Sep-2005 (25)	SW-2 06-Dec-2005	SW-2 13-Dec-2005	SW-2 31-May-2006
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	232	--	237	252	285
Ammonia, unionized	ug/l	20	0.12	--	0.05	--	0.14
Ammonia Nitrogen	mg/l	--	0.04	--	<0.02	0.03	0.04
Biologic Oxygen Demand, Five Day	mg/l	--	<1	--	<1	1	2
Bromide	mg/l	--	<0.05	--	<0.05	<0.05	<0.05
Chemical Oxygen Demand	mg/l	--	<5	--	<5	7	<5
Chloride	mg/l	--	1	--	<1	21	<1
Color	color unit	--	15	--	5	18	6
Conductivity (Field)	uS/cm	--	540	--	395	--	570
Cyanide	ug/l	5(6)	<5	--	<5	--	<5
Dissolved Oxygen (Field)	mg/l	--(7)	11.39	--	11.02	--	11.98
Fluoride	mg/l	--	0.12	--	0.11	0.14	<0.1
Hardness, Calcium Carbonate	mg/l	--	252	--	239	256	288
Nitrate as N	mg/l	--	<0.1	--	0.15	<0.1	<0.1
Nitrite as N	mg/l	--	<0.1	--	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.45	--	0.2	0.36	0.27
pH (Field)	-	8.5	7.4	--	7.3	--	7.4
Phosphate	mg/l	--	0.1	--	0.07	0.17	0.08
Phosphate, Ortho	mg/l	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	30	--	**50**	20	**40**
Sulfate	mg/l	--	8	--	8	22	10
Temperature (Field)	deg c	--(9)	5	--	4	--	6
Turbidity	ntu	--(10)	0.3	--	0.6	0.9	2.6
Metals							
Aluminum, dissolved	ug/l	--(11)	<10	--	<10	--	<10
Arsenic	ug/l	100	<1	--	<1	<1	<1
Barium	mg/l	--	0.01	--	0.01	0.02	0.01
Beryllium	ug/l	--(12)	<1	--	<1	<1	<1
Boron	ug/l	200(13)	<10	--	<10	20	<10
Cadmium	ug/l	0.2(13)	<0.1	--	<0.1	<0.1	<0.1
Calcium	mg/l	--	63	--	61	68	74
Chromium	ug/l	--(14)	<1	--	2	<1	<1
Cobalt	ug/l	0.9	<0.2	--	<0.2	<0.2	<0.2
Copper	ug/l	5	<1	--	<1	<1	<1
Hexavalent Chromium	ug/l	1(15)	<50	--	<50	<50	<50
Iron	ug/l	300	<10	--	<30	200	<30
Lead	ug/l	--(16)	<1	--	<1	<1	<1
Magnesium	mg/l	--	23	--	21	21	25
Manganese	mg/l	--	<0.01	--	<0.01	0.06	0.01
Molybdenum	ug/l	40	<5	--	<5	<5	<5
Nickel	ug/l	25	<5	--	<5	<5	<5
Potassium	mg/l	--	<1	--	<1	<1	<1
Silver	ug/l	0.1	<0.1	--	<0.1	<0.1	<0.1
Sodium	mg/l	--	<2	--	<2	16	<2
Strontium	mg/l	--	0.035	--	0.035	0.172	0.046
Thallium	ug/l	0.3(17)	<0.1	--	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	--	<0.01	<0.01	<0.01
Vanadium	ug/l	6	1	--	1	<1	<1
Zinc	ug/l	30	<10	--	<10	<10	<10
Zirconium	ug/l	4(13)	<10	--	<1	<1	<5

Parameter	Unit	(2) (1) PWQO	SW-2 01-Dec-2006	SW-2 07-May-2007	SW-2 29-Nov-2007	SW-2 03-Jun-2008	SW-2 30-Nov-2008	SW-2 03-Jun-2009 S-2
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	216	217	217	247	225	236
Ammonia, unionized	ug/l	20	0.04	0.25	0.03	0.1	0.07	<20
Ammonia Nitrogen	mg/l	--	<0.02	0.08	<0.02	<0.02	<0.02	0.02
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	<1	<1	1	1
Bromide	mg/l	--	<0.05	<0.05	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	<5	<5	<5	<5	18	18
Chloride	mg/l	--	<1	1	1	<1	<1	16
Color	color unit	--	10	<2	6	4	19	28
Conductivity (Field)	uS/cm	--	215	310	305	400	355	460
Cyanide	ug/l	5(6)	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	11.38	13.01	12.04	13	13.92	7.64
Fluoride	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10
Hardness, Calcium Carbonate	mg/l	--	214	206	218	<1	224	238
Nitrate as N	mg/l	--	<0.1	<0.1	0.29	<0.1	<0.1	<0.10
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.1	<0.05	0.3	0.12	<0.1	0.28
pH (Field)	-	8.5	7.3	7.4	7.2	7.6	7.5	7.5
Phosphate	mg/l	--	<0.03	0.08	<0.03	0.05	<0.03	--
Phosphate, Ortho	mg/l	--	--	--	--	--	--	<0.03
Phosphorus	ug/l	--(8)	<10	<10	<10	**40**	<10	20
Sulfate	mg/l	--	8	9	17	7	9	4
Temperature (Field)	deg c	--(9)	2	5	2	10	3	12
Turbidity	ntu	--(10)	0.6	0.3	0.4	0.6	1.2	0.5
Metals								
Aluminum, dissolved	ug/l	--(11)	<10	<10	<10	10	<10	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	<0.01	0.01	0.01	0.02	<0.01	0.02
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	<10	<10	<10	<10	<10	10
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	51	51	56	<1	55	64
Chromium	ug/l	--(14)	<1	<1	<1	1	1	2
Cobalt	ug/l	0.9	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Copper	ug/l	5	<1	<1	<1	3	<1	<1
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	<30	<30	<30	80	<30	80
Lead	ug/l	--(16)	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	21	19	19	<1	21	19
Manganese	mg/l	--	<0.01	<0.01	<0.01	0.04	<0.01	0.02
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	<1	<1	<1	<1	<1	<1
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	<2	<2	<2	<2	<2	14
Strontium	mg/l	--	0.029	0.032	0.041	0.041	0.028	0.161
Thallium	ug/l	0.3(17)	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	<1	<1	1	2	3	2
Zinc	ug/l	30	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4(13)	<5	<1	<1	<10	<1	<2

Parameter	Unit	[2] [1] PWQO	SW-2 25-Nov-2009 SW-2	SW-2 06-May-2010 S-14	SW-2 30-Nov-2010 S-2	SW-2 11-May-2011 [4] SW-2	SW-2 14-Nov-2011 [5] S-2
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	178	206	225	228	187
Ammonia, unionized	ug/l	20	<20	**680**	<20	<20	<20
Ammonia Nitrogen	mg/l	--	<0.02	<0.02	<0.02	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	<1	1	<1	1	1
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	13	20	5	5	25
Chloride	mg/l	--	18	12	12	14	14
Color	color unit	--	35	36	12	21	39
Conductivity (Field)	uS/cm	--	477	442	376	447	463
Cyanide	ug/l	5[6]	<5	<5	<5	<2	<10
Dissolved Oxygen (Field)	mg/l	--[7]	12.52	6.09	8.14	5.71	4.98
Fluoride	mg/l	--	<0.10	0.10	<0.10	<0.10	<0.10
Hardness, Calcium Carbonate	mg/l	--	189	192	249	220	240
Nitrate as N	mg/l	--	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrite as N	mg/l	--	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.25	0.19	<0.10	0.25	0.33
pH (Field)	-	8.5	6.51	8.06	--	7.40	6.37
Phosphate	mg/l	--	--	--	--	--	--
Phosphate, Ortho	mg/l	--	0.03	<0.03	<0.03	<0.03	<0.03
Phosphorus	ug/l	--[8]	30	20	<10	<10	10
Sulfate	mg/l	--	23	6	8	6	37
Temperature (Field)	deg c	--[9]	4.2	16.6	1.9	14.0	11
Turbidity	ntu	--[10]	0.3	0.8	0.4	0.5	0.6
Metals							
Aluminum, dissolved	ug/l	--[11]	<10	<10	<10	<10	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1
Barium	mg/l	--	0.02	0.02	0.02	0.02	0.03
Beryllium	ug/l	--[12]	<1	<1	<1	<0.5	<0.5
Boron	ug/l	200[13]	10	10	<10	<10	<10
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	51	52	65	60	63
Chromium	ug/l	--[14]	<1	<1	2	<1	5
Cobalt	ug/l	0.9	<0.2	<0.2	<0.2	<0.2	<0.2
Copper	ug/l	5	<1	<1	<1	<1	<1
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	<50	<50
Iron	ug/l	300	<30	100	<30	50	40
Lead	ug/l	--[16]	<1	<1	<1	<1	<1
Magnesium	mg/l	--	15	15	21	17	20
Manganese	mg/l	--	<0.01	0.04	<0.01	0.03	0.03
Molybdenum	ug/l	40	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5
Potassium	mg/l	--	<1	<1	<1	<1	<1
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	15	10	10	11	13
Strontium	mg/l	--	0.181	0.176	0.139	0.126	0.180
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	1	<1	2	<1	2
Zinc	ug/l	30	<10	<10	<10	<10	<10
Zirconium	ug/l	4[13]	<2	<2	<2	<2	<2

Parameter	Unit	(2) (1) PWQO	SW-2 29-May-2012 (24) SW-2	SW-2 22-Nov-2012 (25) SW-2
General Chemistry				
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	276	--
Ammonia, unionized	ug/l	20	<20	--
Ammonia Nitrogen	mg/l	--	0.05	--
Biologic Oxygen Demand, Five Day	mg/l	--	<1	--
Bromide	mg/l	--	<0.25	--
Chemical Oxygen Demand	mg/l	--	26	--
Chloride	mg/l	--	12	--
Color	color unit	--	37	--
Conductivity (Field)	uS/cm	--	503	--
Cyanide	ug/l	5(6)	<2	--
Dissolved Oxygen (Field)	mg/l	--(7)	4.30	--
Fluoride	mg/l	--	<0.10	--
Hardness, Calcium Carbonate	mg/l	--	210	--
Nitrate as N	mg/l	--	<0.10	--
Nitrite as N	mg/l	--	<0.10	--
Nitrogen, Organic	mg/l	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.70	--
pH (Field)	-	8.5	7.6	--
Phosphate	mg/l	--	--	--
Phosphate, Ortho	mg/l	--	<0.03	--
Phosphorus	ug/l	--(8)	**60**	--
Sulfate	mg/l	--	<1	--
Temperature (Field)	deg c	--(9)	19.40	--
Turbidity	ntu	--(10)	2.6	--
Metals				
Aluminum, dissolved	ug/l	--(11)	<10	--
Arsenic	ug/l	100	<1	--
Barium	mg/l	--	0.03	--
Beryllium	ug/l	--(12)	<0.5	--
Boron	ug/l	200(13)	10	--
Cadmium	ug/l	0.2(13)	<0.1	--
Calcium	mg/l	--	56	--
Chromium	ug/l	--(14)	2	--
Cobalt	ug/l	0.9	0.2	--
Copper	ug/l	5	<1	--
Hexavalent Chromium	ug/l	1(15)	<50	--
Iron	ug/l	300	180	--
Lead	ug/l	--(16)	<1	--
Magnesium	mg/l	--	17	--
Manganese	mg/l	--	0.16	--
Molybdenum	ug/l	40	<5	--
Nickel	ug/l	25	<5	--
Potassium	mg/l	--	<1	--
Silver	ug/l	0.1	<0.1	--
Sodium	mg/l	--	12	--
Strontium	mg/l	--	0.180	--
Thallium	ug/l	0.3(17)	<0.1	--
Titanium	mg/l	--	<0.01	--
Vanadium	ug/l	6	4	--
Zinc	ug/l	30	<10	--
Zirconium	ug/l	4(13)	<2	--

Parameter	Unit	[2] [1] PWQO	SW-3 19-Apr-2002	SW-3 03-May-2003	SW-3 24-Nov-2003	SW-3 07-Apr-2004	SW-3 24-Sep-2004	SW-3 28-Nov-2004
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	266	236	236	182	379	200
Ammonia, unionized	ug/l	20	0.73	--	0.04	0.3	0.12	0.11
Ammonia Nitrogen	mg/l	--	0.1	0.98	0.06	0.49	0.09	0.15
Biologic Oxygen Demand, Five Day	mg/l	--	4	8	4	<0.5	<0.5	1.5
Chemical Oxygen Demand	mg/l	--	26	61	62	16	54	36
Chloride	mg/l	--	13	26	6	5	24.7	15.3
Color	color unit	--	35	74	46	20	132	70
Conductivity (Field)	uS/cm	--	560	460	310	374	525	495
Dissolved Oxygen (Field)	mg/l	--[7]	3.77	3.21	2.97	3.8	6.82	7.77
Hardness, Calcium Carbonate	mg/l	--	226	282	261	188.4	401.4	202.8
Nitrogen, Organic	mg/l	--	1.22	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	1.32	3.53	0.66	0.85	1.32	1.07
pH (Field)	-	8.5	7.4	--	6.8	6.8	6.9	6.9
Temperature (Field)	deg c	--[9]	16	10	3	2	9	1
Turbidity	ntu	--[10]	1.9	41.8	3.5	2.6	3.5	3.3
Metals								
Boron	ug/l	200[13]	<50	**270**	70	30	40	50
Calcium	mg/l	--	59	75	70	47.9	107	51.7
Iron	ug/l	300	--	**4010**	270	50	**1130**	**360**
Magnesium	mg/l	--	19	23	21	16.7	32	17.8
Potassium	mg/l	--	3	11	7	2	<1	9
Sodium	mg/l	--	18	36	8	4.2	19.3	8.2
Strontium	mg/l	--	0.097	0.17	0.141	0.062	0.222	0.082

Parameter	Unit	[2] [1] PWQO	SW-3 18-Apr-2005	SW-3 25-Sep-2005 [25]	SW-3 06-Dec-2005	SW-3 31-May-2006	SW-3 01-Dec-2006	SW-3 07-May-2007
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	565	--	250	355	293	232
Ammonia, unionized	ug/l	20	8.7	--	1.43	0.61	0.47	0.15
Ammonia Nitrogen	mg/l	--	5.95	--	0.54	0.26	0.38	0.06
Biologic Oxygen Demand, Five Day	mg/l	--	3	--	<1	3	<1	2
Chemical Oxygen Demand	mg/l	--	38	--	<5	52	18	7
Chloride	mg/l	--	50	--	8	9	1	14
Color	color unit	--	25	--	15	116	14	45
Conductivity (Field)	uS/cm	--	600	--	510	490	435	610
Dissolved Oxygen (Field)	mg/l	--[7]	9.14	--	9.52	9.8	9.97	10.11
Hardness, Calcium Carbonate	mg/l	--	553	--	241	327	261	223
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	8.99	--	0.9	1.78	4.65	0.59
pH (Field)	-	8.5	7	--	7.2	7.1	7.1	7.2
Temperature (Field)	deg c	--[9]	7	--	3	10	2	8
Turbidity	ntu	--[10]	25.4	--	0.6	11.3	0.8	1.2
Metals								
Boron	ug/l	200[13]	**220**	--	30	**230**	110	20
Calcium	mg/l	--	154	--	62	88	70	58
Iron	ug/l	300	**2460**	--	170	**4660**	270	220
Magnesium	mg/l	--	41	--	21	26	21	19
Potassium	mg/l	--	11	--	<1	5	5	<1
Sodium	mg/l	--	45	--	7	17	14	12
Strontium	mg/l	--	0.363	--	0.092	0.259	0.174	0.135

Parameter	Unit	(2) (1) PWQO	SW-3 29-Nov-2007	SW-3 03-Jun-2008	SW-3 09-Dec-2008	SW-3 03-Jun-2009 S-4	SW-3 25-Nov-2009 (25) SW-3	SW-3 06-May-2010 S-16
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	136	253	288	312	--	346
Ammonia, unionized	ug/l	20	0.02	0.1	0.54	<20	--	**310**
Ammonia Nitrogen	mg/l	--	<0.02	0.02	0.28	0.07	--	0.04
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	<1	2	--	1
Chemical Oxygen Demand	mg/l	--	20	27	8	25	--	53
Chloride	mg/l	--	14	5	16	2	--	8
Color	color unit	--	50	81	19	47	--	100
Conductivity (Field)	uS/cm	--	476	466	591	546	--	653
Dissolved Oxygen (Field)	mg/l	--(7)	10.11	11.1	12.39	3.90	--	1.42
Hardness, Calcium Carbonate	mg/l	--	201	268	2880	307	--	292
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.63	0.72	0.5	0.92	--	1.08
pH (Field)	-	8.5	7.1	7.1	7.3	7.32	--	7.49
Temperature (Field)	deg c	--(9)	2	14	2	14.6	--	14
Turbidity	ntu	--(10)	2.2	1.3	0.7	4.4	--	3.3
Metals								
Boron	ug/l	200(13)	50	20	20	20	--	150
Calcium	mg/l	--	51	71	759	80	--	79
Iron	ug/l	300	50	**1020**	110	**880**	--	**950**
Magnesium	mg/l	--	18	22	240	26	--	23
Potassium	mg/l	--	1	<1	10	<1	--	3
Sodium	mg/l	--	11	6	143	3	--	12
Strontium	mg/l	--	0.132	0.102	0.188	0.105	--	0.210

Parameter	Unit	(2) (1) PWQO	SW-3 30-Nov-2010 S-3	SW-3 11-May-2011 SW-3	SW-3 14-Nov-2011 (25) SW-3	SW-3 29-May-2012 (25) SW-3	SW-3 22-Nov-2012 (25) SW-3
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	420	269	--	--	--
Ammonia, unionized	ug/l	20	**40**	<20	--	--	--
Ammonia Nitrogen	mg/l	--	1.55	<0.02	--	--	--
Biologic Oxygen Demand, Five Day	mg/l	--	5	1	--	--	--
Chemical Oxygen Demand	mg/l	--	20	15	--	--	--
Chloride	mg/l	--	18	4	--	--	--
Color	color unit	--	17	22	--	--	--
Conductivity (Field)	uS/cm	--	645	468	--	--	--
Dissolved Oxygen (Field)	mg/l	--(7)	4.85	3.04	--	--	--
Hardness, Calcium Carbonate	mg/l	--	385	270	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	1.93	0.53	--	--	--
pH (Field)	-	8.5	--	7.30	--	--	--
Temperature (Field)	deg c	--(9)	1.2	11.0	--	--	--
Turbidity	ntu	--(10)	2.2	1.5	--	--	--
Metals							
Boron	ug/l	200(13)	110	10	--	--	--
Calcium	mg/l	--	108	70	--	--	--
Iron	ug/l	300	70	**560**	--	--	--
Magnesium	mg/l	--	28	23	--	--	--
Potassium	mg/l	--	5	<1	--	--	--
Sodium	mg/l	--	18	<2	--	--	--
Strontium	mg/l	--	0.192	0.069	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-5 19-Apr-2002	SW-5 16-Sep-2002	SW-5 11-Nov-2002	SW-5 03-May-2003	SW-5 24-Nov-2003	SW-5 07-Apr-2004
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	226	184	308	203	172	161
Ammonia, unionized	ug/l	20	5.05	0.69	0.06	0.9	0.17	0.1
Ammonia Nitrogen	mg/l	--	1.27	0.11	0.03	0.45	0.08	0.15
Biologic Oxygen Demand, Five Day	mg/l	--	1	1	2	<1	<1	<0.5
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
Chemical Oxygen Demand	mg/l	--	15	27	30	19	26	13
Chloride	mg/l	--	25	44	119	35	38	31.2
Color	color unit	--	45	33	27	45	49	28
Conductivity (Field)	uS/cm	--	520	720	730	400	450	400
Cyanide	ug/l	5(6)	<5	<5	<5	<5	<5	<1
Dissolved Oxygen (Field)	mg/l	--(7)	4.01	3.42	2.81	6.54	6.21	7.91
Fluoride	mg/l	--	0.58	0.34	0.2	0.14	0.13	0.1
Hardness, Calcium Carbonate	mg/l	--	221	206	506	226	203	177.5
Nitrate as N	mg/l	--	0.14	<0.1	<0.1	<0.1	<0.1	0.3
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
Nitrogen, Nitrate-Nitrite	mg/l	--	--	<0.2	--	--	--	--
Nitrogen, Organic	mg/l	--	--	0.89	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	1.89	1	0.82	0.9	0.15	0.43
pH (Field)	-	8.5	7.1	7.3	7.2	7.1	7.3	6.8
Phosphate	mg/l	--	<0.03	<0.03	0.11	0.08	0.05	<1
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	20	**70**	**50**	30	**40**	13
Sulfate	mg/l	--	24	22	204	25	36	15
Temperature (Field)	deg c	--(9)	17	17	5	8	3	2.5
Turbidity	ntu	--(10)	1.2	6.1	16.9	0.8	1.5	0.9
Metals								
Aluminum, dissolved	ug/l	--(11)	<50	<10	<10	<10	<10	<5
Arsenic	ug/l	100	<1	1	<1	<1	<1	<2
Barium	mg/l	--	0.03	0.05	0.09	0.03	0.03	0.024
Beryllium	ug/l	--(12)	<2	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	<50	<50	100	<50	20	13
Cadmium	ug/l	0.2(13)	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	59	53	158	61	55	46.8
Chromium	ug/l	--(14)	<1	<1	<5	5	<1	<5
Cobalt	ug/l	0.9	0.5	0.5	<0.2	0.3	<0.2	<0.1
Copper	ug/l	5	1	5	1	1	2	0.9
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	--
Iron	ug/l	300	**960**	**980**	**2570**	**350**	160	120
Lead	ug/l	--(16)	<1	3	<1	<1	<1	<0.5
Magnesium	mg/l	--	18	18	27	18	16	14.7
Manganese	mg/l	--	0.18	0.12	0.268	0.039	0.02	0.017
Molybdenum	ug/l	40	<10	<5	<5	<5	<5	<1
Nickel	ug/l	25	<10	<5	<5	<5	<5	<1
Potassium	mg/l	--	2	4	11	2	3	1.1
Silver	ug/l	0.1	<0.1	**0.2**	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	19	27	100	21	27	13.6
Strontium	mg/l	--	0.162	0.262	0.359	0.171	0.276	0.133
Thallium	ug/l	0.3(17)	<1	<1	<1	<1	<1	<0.05
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005
Vanadium	ug/l	6	<1	<1	**7**	2	<1	<0.5
Zinc	ug/l	30	<10	<5	6	<5	<10	8
Zirconium	ug/l	4(13)	<1	**6**	1	<1	<10	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	<0.1
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	<0.1
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6	<0.6	<0.6	<0.6	<0.2
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	<0.2
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.1
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	<0.2
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.1
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	<0.1
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	<0.1
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	<0.1

Parameter	Unit	(2) (1) PWQO	SW-5 19-Apr-2002	SW-5 16-Sep-2002	SW-5 11-Nov-2002	SW-5 03-May-2003	SW-5 24-Nov-2003	SW-5 07-Apr-2004
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.1
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	<20	<20	<20	<5
2-Hexanone	ug/l	--	--	--	--	--	--	<5
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	<5
Acetone	ug/l	--	<100	<100	<100	<100	<100	<10
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.1
Bromoform	ug/l	60 (13)	--	--	--	--	--	<0.2
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	<0.5
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	<0.1
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1
Chloroethane	ug/l	--	<1	<1	<1	<1	<1	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1
Chloromethane	ug/l	700 (13)	<1	<1	<1	<1	<1	<0.5
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.1
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	<0.2
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	<0.2
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1
m,p-Xylenes	ug/l	--	<1	<1	<1	<1	<1	<0.1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	<0.2
Methylene Chloride	ug/l	100 (22)	<4	<4	<4	<4	<4	<0.5
o-Xylene	ug/l	40 (17)	<0.5	--	<0.5	<0.5	<0.5	<0.1
Styrene	ug/l	4 (17)	--	--	--	--	--	<0.1
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.1
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.1
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	<0.2
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.1
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2
Vinyl Chloride	ug/l	600 (13)	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW-5 24-Sep-2004	SW-5 28-Nov-2004	SW-5 18-Apr-2005	SW-5 25-Sep-2005	SW-5 03-Dec-2005	SW-5 13-Dec-2005
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	407	200	255	235	245	260
Ammonia, unionized	ug/l	20	2.97	0.02	1.77	0.12	0.69	--
Ammonia Nitrogen	mg/l	--	4.05	0.03	0.64	0.03	0.26	0.26
Biologic Oxygen Demand, Five Day	mg/l	--	1.8	1.3	2	3	<1	1
Bromide	mg/l	--	<0.5	<0.5	<0.05	<0.05	<0.05	<0.05
Chemical Oxygen Demand	mg/l	--	47	37	12	26	<5	12
Chloride	mg/l	--	48.1	22	46	69	20	28
Color	color unit	--	100	80	25	31	16	16
Conductivity (Field)	uS/cm	--	620	555	750	605	610	--
Cyanide	ug/l	5(6)	<1	<1	<5	<5	<5	--
Dissolved Oxygen (Field)	mg/l	--(7)	8.41	9.51	11.11	11.48	11.42	--
Fluoride	mg/l	--	0.2	0.1	0.17	0.2	0.13	0.14
Hardness, Calcium Carbonate	mg/l	--	369.8	202	289	245	221	261
Nitrate as N	mg/l	--	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1
Nitrite as N	mg/l	--	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	5.07	0.46	0.96	1.01	0.62	0.58
pH (Field)	-	8.5	6.7	6.8	7.3	7.4	7.4	--
Phosphate	mg/l	--	<1	<1	0.09	0.17	0.06	0.14
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	30	20	30	**80**	30	**40**
Sulfate	mg/l	--	17.9	16.5	20	42	17	24
Temperature (Field)	deg c	--(9)	7	2	6	8	3	--
Turbidity	ntu	--(10)	5.7	1.7	1.3	13.9	0.8	5.6
Metals								
Aluminum, dissolved	ug/l	--(11)	10	<5	<10	<10	<10	--
Arsenic	ug/l	100	<2	<2	<1	1	<1	<1
Barium	mg/l	--	0.091	0.025	0.04	0.07	0.03	0.03
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	127	12	30	80	30	30
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	104	53.2	78	65	59	70
Chromium	ug/l	--(14)	<5	<5	<1	1	3	<1
Cobalt	ug/l	0.9	**1.3**	<0.1	0.4	0.5	<0.2	0.3
Copper	ug/l	5	2.1	1.1	<1	2	<1	<1
Hexavalent Chromium	ug/l	1(15)	--	--	<50	<50	<50	<50
Iron	ug/l	300	**2420**	300	**540**	**890**	220	**330**
Lead	ug/l	--(16)	0.6	<0.5	<1	<1	<1	<1
Magnesium	mg/l	--	26.7	16.8	23	20	18	21
Manganese	mg/l	--	0.571	0.055	0.08	0.14	0.04	0.07
Molybdenum	ug/l	40	1	<1	<5	<5	<5	<5
Nickel	ug/l	25	3	<1	<5	<5	<5	<5
Potassium	mg/l	--	4.2	1.7	2	4	1	<1
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	32.2	12.5	26	51	13	20
Strontium	mg/l	--	0.352	0.145	0.245	0.353	0.155	0.203
Thallium	ug/l	0.3(17)	<0.05	<0.05	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.005	<0.005	<0.01	0.02	<0.01	<0.01
Vanadium	ug/l	6	<0.5	<0.5	1	1	1	<1
Zinc	ug/l	30	10	<5	<10	<10	<10	<10
Zirconium	ug/l	4(13)	<1	<1	<10	<10	<1	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	<0.1	<0.1	<0.6	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	<0.1	<0.1	<0.4	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.2	<0.2	<0.6	<0.6	<0.5	--
1,1,2-Trichloroethane	ug/l	800	<0.2	<0.2	<0.4	--	--	--
1,1-Dichloroethane	ug/l	200	<0.1	<0.1	<0.4	<0.4	<0.4	--
1,1-Dichloroethylene	ug/l	40	<0.1	<0.1	<0.5	<0.5	<0.5	--
1,2-Dibromoethane	ug/l	5(13)	<0.2	<0.2	<1	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.1	<0.1	<0.4	<0.4	<0.4	--
1,2-Dichloroethane	ug/l	100	<0.1	<0.1	<0.5	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	<0.1	<0.1	<0.7	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	<0.3	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.1	<0.1	<0.4	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-5 24-Sep-2004	SW-5 28-Nov-2004	SW-5 18-Apr-2005	SW-5 25-Sep-2005	SW-5 03-Dec-2005	SW-5 13-Dec-2005
1,4-Dichlorobenzene	ug/l	4	<0.1	<0.1	<0.4	<0.4	<0.4	--
Methyl Ethyl Ketone	ug/l	400 (13)	<5	<5	--	<20	<20	--
2-Hexanone	ug/l	--	<5	<5	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	<5	<5	--	--	--	--
Acetone	ug/l	--	<10	<10	--	<100	<100	--
Benzene	ug/l	100 (17)	0.2	<0.1	<0.5	<0.5	<0.5	--
Bromodichloromethane	ug/l	200 (13)	<0.1	<0.1	<0.3	<0.3	<0.3	--
Bromoform	ug/l	60 (13)	<0.2	<0.2	<0.4	--	--	--
Bromomethane	ug/l	0.9 (19)	<0.5	<0.5	<0.5	--	--	--
Carbon Tetrachloride	ug/l	--	<0.1	<0.1	<0.5	--	--	--
Chlorobenzene	ug/l	15 (20)	0.2	<0.1	<0.2	<0.2	<0.2	--
Chloroethane	ug/l	--	<0.2	<0.2	<1	<1	<1	--
Chloroform	ug/l	--	<0.1	<0.1	<0.5	<0.5	<0.5	--
Chloromethane	ug/l	700 (13)	<0.5	<0.5	<1	<1	<1	--
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.1	<0.1	<0.4	<0.4	<0.4	--
cis-1,3-Dichloropropene	ug/l	--	<0.2	<0.2	<0.2	--	--	--
Dibromochloromethane	ug/l	40 (13)	<0.2	<0.2	<0.3	--	--	--
Ethylbenzene	ug/l	8	<0.1	<0.1	<0.5	<0.5	<0.5	--
m,p-Xylenes	ug/l	--	<0.1	<0.1	<1	<1	<1	--
Methyl tert-Butyl Ether	ug/l	200 (13)	<0.2	<0.2	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<0.5	<0.5	<4	<4	<4	--
o-Xylene	ug/l	40 (17)	<0.1	<0.1	<0.5	<0.5	<0.5	--
Styrene	ug/l	4 (17)	<0.1	<0.1	<0.5	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.1	<0.1	<0.3	<0.3	<0.3	--
Toluene	ug/l	0.8	<0.2	<0.2	<0.5	<0.5	<0.5	--
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.1	<0.1	<0.4	<0.4	<0.4	--
trans-1,3-Dichloropropene	ug/l	7 (13)	<0.2	<0.2	<0.2	--	--	--
Trichloroethene	ug/l	20	<0.1	<0.1	<0.3	<0.3	<0.3	--
Trichlorofluoromethane	ug/l	--	<0.2	<0.2	<0.5	<0.5	<0.5	--
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	--
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	[2] [1] PWQO	SW-5 31-May-2006	SW-5 10-Nov-2006	SW-5 01-Dec-2006	SW-5 08-Dec-2006	SW-5 07-May-2007	SW-5 29-Nov-2007
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	244	257	215	213	239	144
Ammonia, unionized	ug/l	20	0.7	0.16	2.23	1.6	0.67	0.04
Ammonia Nitrogen	mg/l	--	0.21	0.76	1.06	0.65	0.25	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	1	<1	<1	<1	<1	<1
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.25
Chemical Oxygen Demand	mg/l	--	19	19	11	7	<5	16
Chloride	mg/l	--	25	18	14	16	22	20
Color	color unit	--	87	26	19	20	42	57
Conductivity (Field)	uS/cm	--	690	485	585	505	590	560
Cyanide	ug/l	5[6]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[7]	12.24	--	12.01	--	13.1	10.16
Fluoride	mg/l	--	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Hardness, Calcium Carbonate	mg/l	--	234	289	207	216	235	206
Nitrate as N	mg/l	--	<0.1	0.2	0.15	0.22	<0.1	0.6
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.78	1.12	1.27	0.95	0.58	0.74
pH (Field)	-	8.5	7.2	6.1	7.3	7.4	7.3	7.2
Phosphate	mg/l	--	0.07	0.07	0.05	0.03	0.05	<0.03
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--[8]	30	30	<10	20	30	30
Sulfate	mg/l	--	10	28	17	19	14	91
Temperature (Field)	deg c	--[9]	8	9	3	2	6	6
Turbidity	ntu	--[10]	2.2	1.3	1.1	1.4	0.9	2
Metals								
Aluminum, dissolved	ug/l	--[11]	<10	<10	<10	<10	<10	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.04	0.05	0.03	0.03	0.03	0.02
Beryllium	ug/l	--[12]	<1	<1	<1	<1	<1	<1
Boron	ug/l	200[13]	40	70	40	30	20	40
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	64	78	55	57	61	53
Chromium	ug/l	--[14]	<1	<1	<1	<1	2	1
Cobalt	ug/l	0.9	0.4	0.3	0.3	0.2	0.2	<0.2
Copper	ug/l	5	<1	3	1	<1	<1	3
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	**810**	200	240	220	210	110
Lead	ug/l	--[16]	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	18	23	17	18	20	18
Manganese	mg/l	--	0.27	0.07	0.06	0.04	0.03	0.01
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	1	2	2	1	<1	1
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	19	17	13	14	17	14
Strontium	mg/l	--	0.212	0.194	0.138	0.141	0.155	0.163
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	0.3	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	<1	4	<1	<1	2	1
Zinc	ug/l	30	<10	10	<10	<10	<10	**70**
Zirconium	ug/l	4[13]	<5	<1	<5	<5	<1	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10[18]	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5[13]	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7[13]	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-5 31-May-2006	SW-5 10-Nov-2006	SW-5 01-Dec-2006	SW-5 08-Dec-2006	SW-5 07-May-2007	SW-5 29-Nov-2007
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	<20	<20	<20	<20
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<100	<100	<100	<100	<100	<100
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1	<1	<1	<1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4	<4	<4	<4
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW-5 03-Jun-2008	SW-5 30-Nov-2008	SW-5 03-Jun-2009 S-16	SW-5 25-Nov-2009 SW-5	SW-5 25-Nov-2009 SW Dup	SW-5 06-May-2010 S-7
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	234	165	259	214	213	240
Ammonia, unionized	ug/l	20	0.5	0.13	<20	<20	<20	**330**
Ammonia Nitrogen	mg/l	--	0.08	0.05	0.04	0.02	0.02	0.02
Biologic Oxygen Demand, Five Day	mg/l	--	<1	2	<1	<1	<1	3
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	25	15	13	23	25	25
Chloride	mg/l	--	27	13	28	27	27	21
Color	color unit	--	81	32	61	50	50	60
Conductivity (Field)	uS/cm	--	410	460	564	580	580	532
Cyanide	ug/l	5(6)	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	13.1	13.86	3.62	7.29	7.29	4.48
Fluoride	mg/l	--	0.11	<0.1	<0.10	<0.10	<0.10	0.11
Hardness, Calcium Carbonate	mg/l	--	251	188	259	242	249	224
Nitrate as N	mg/l	--	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10
Nitrite as N	mg/l	--	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.8	0.22	0.59	0.36	0.33	0.53
pH (Field)	-	8.5	7.5	7.4	7.59	6.52	6.52	7.76
Phosphate	mg/l	--	0.04	<0.03	--	--	--	--
Phosphate, Ortho	mg/l	--	--	--	<0.03	0.06	0.04	<0.03
Phosphorus	ug/l	--(8)	20	20	**40**	30	20	<10
Sulfate	mg/l	--	9	15	9	53	52	9
Temperature (Field)	deg c	--(9)	10	3	17.3	5.1	5.1	15.8
Turbidity	ntu	--(10)	0.8	2.6	2.3	3.2	0.7	0.7
Metals								
Aluminum, dissolved	ug/l	--(11)	<10	20	<10	<10	<10	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.03	0.02	0.03	0.02	0.02	0.03
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	20	20	20	30	30	20
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	69	49	69	64	65	60
Chromium	ug/l	--(14)	2	1	2	5	5	<1
Cobalt	ug/l	0.9	0.4	<0.2	<0.2	<0.2	<0.2	<0.2
Copper	ug/l	5	1	1	1	1	2	<1
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	**700**	110	**550**	230	290	260
Lead	ug/l	--(16)	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	19	16	21	20	21	18
Manganese	mg/l	--	0.09	0.02	0.04	0.02	0.02	0.02
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	<1	1	<1	<1	<1	<1
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	21	11	20	21	21	15
Strontium	mg/l	--	0.183	0.108	0.194	0.217	0.191	0.193
Thallium	ug/l	0.3(17)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	2	3	4	2	2	<1
Zinc	ug/l	30	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4(13)	<10	<1	<2	<2	<2	<2
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-5 03-Jun-2008	SW-5 30-Nov-2008	SW-5 03-Jun-2009 S-16	SW-5 25-Nov-2009 SW-5	SW-5 25-Nov-2009 SW Dup	SW-5 06-May-2010 S-7
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	<10	<10	<10	<10
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<100	<100	<50	<50	<50	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1.0	<1.0	<1.0	<1.0
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1.0	<1.0	<1.0	<1.0
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW-5 30-Nov-2010 S-17	SW-5 11-May-2011 (4) SW-17	SW-5 14-Nov-2011 (26) S-15	SW-5 29-May-2012 SW-5	SW-5 22-Nov-2012 (5) B - 4
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	266	238	278	302	123
Ammonia, unionized	ug/l	20	**30**	<20	<20	<20	<20
Ammonia Nitrogen	mg/l	--	0.36	0.03	<0.02	<0.02	0.03
Biologic Oxygen Demand, Five Day	mg/l	--	1	<1	5	2	3
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	20	15	50	37	19
Chloride	mg/l	--	16	17	52	28	35
Color	color unit	--	17	30	65	65	26
Conductivity (Field)	uS/cm	--	435	485	707	628	491
Cyanide	ug/l	5(6)	<5	<2	<10	<2	<2
Dissolved Oxygen (Field)	mg/l	--(7)	6.76	4.39	1.37	6.27	4.99
Fluoride	mg/l	--	<0.10	<0.10	0.11	0.11	0.24
Hardness, Calcium Carbonate	mg/l	--	289	257	328	236	151
Nitrate as N	mg/l	--	0.11	<0.10	<0.10	<0.10	<0.10
Nitrite as N	mg/l	--	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.37	0.28	0.89	0.58	0.64
pH (Field)	-	8.5	--	7.45	7.53	7.8	8.1
Phosphate	mg/l	--	--	--	--	--	--
Phosphate, Ortho	mg/l	--	<0.03	<0.03	<0.03	<0.03	<0.03
Phosphorus	ug/l	--(8)	<10	<10	**40**	30	20
Sulfate	mg/l	--	12	8	62	8	34
Temperature (Field)	deg c	--(9)	3.8	17.82	11.3	25.40	2
Turbidity	ntu	--(10)	1.2	0.7	2.8	2.9	3.6
Metals							
Aluminum, dissolved	ug/l	--(11)	<10	<10	<10	<10	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1
Barium	mg/l	--	0.03	0.03	0.05	0.05	0.03
Beryllium	ug/l	--(12)	<1	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200(13)	30	20	30	20	40
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	78	70	90	63	34
Chromium	ug/l	--(14)	<1	<1	4	2	<1
Cobalt	ug/l	0.9	<0.2	<0.2	0.3	0.5	<0.2
Copper	ug/l	5	<1	<1	1	<1	3
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50
Iron	ug/l	300	220	190	**420**	**770**	300
Lead	ug/l	--(16)	<1	<1	<1	<1	<1
Magnesium	mg/l	--	23	20	25	19	16
Manganese	mg/l	--	0.04	0.02	0.08	0.36	0.02
Molybdenum	ug/l	40	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5
Potassium	mg/l	--	1	<1	2	<1	3
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	15	12	38	23	25
Strontium	mg/l	--	0.165	0.141	0.387	0.214	0.176
Thallium	ug/l	0.3(17)	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	2	1	3	4	1
Zinc	ug/l	30	<10	<10	<10	<10	<10
Zirconium	ug/l	4(13)	<2	<2	<2	<2	<2
VOCs							
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW-5 30-Nov-2010 S-17	SW-5 11-May-2011 (4) SW-17	SW-5 14-Nov-2011 (26) S-15	SW-5 29-May-2012 SW-5	SW-5 22-Nov-2012 (5) B - 4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 (13)	<10	<10	<10	<10	<10
2-Hexanone	ug/l	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--
Acetone	ug/l	--	<50	<50	<50	<50	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1.0	<1.0	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1.0	<1.0	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1.0	<1.0	<0.5	<0.5	<0.5
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols							
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW-7 19-Apr-2002	SW-7 16-Sep-2002	SW-7 11-Nov-2002	SW-7 03-May-2003	SW-7 22-Sep-2003	SW-7 24-Nov-2003
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	164	155	155	173	164	165
Ammonia, unionized	ug/l	20	1.42	2.72	0.18	0.06	1.93	0.08
Ammonia Nitrogen	mg/l	--	0.04	0.02	<0.02	<0.02	0.03	0.06
Biologic Oxygen Demand, Five Day	mg/l	--	3	2	<1	<1	2	6
Chemical Oxygen Demand	mg/l	--	5	21	15	13	14	25
Chloride	mg/l	--	5	4	4	4	5	4
Color	color unit	--	9	18	11	9	24	17
Conductivity (Field)	uS/cm	--	350	290	265	310	860	500
Dissolved Oxygen (Field)	mg/l	--(7)	8.8	5.2	4.72	5.81	4.43	5.11
Hardness, Calcium Carbonate	mg/l	--	139	157	157	179	162	170
Nitrogen, Organic	mg/l	--	--	0.7	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.4	0.72	0.78	0.41	0.83	0.4
pH (Field)	-	8.5	8	**8.6**	7.9	7.2	8.4	7.1
Temperature (Field)	deg c	--(9)	19	20	4	11	15	3
Turbidity	ntu	--(10)	4.7	6.2	9.3	3.7	3.7	6.5
Metals								
Boron	ug/l	200(13)	<50	170	<50	<50	20	10
Calcium	mg/l	--	36	35	35	47	35	40
Iron	ug/l	300	--	--	--	220	250	**360**
Magnesium	mg/l	--	12	17	17	15	18	17
Potassium	mg/l	--	<1	<1	1	1	2	2
Sodium	mg/l	--	10	3	3	3	3	3
Strontium	mg/l	--	0.055	0.057	0.061	0.066	0.072	0.075

Parameter	Unit	[2] [1] PWQO	SW-7 07-Apr-2004	SW-7 24-Sep-2004	SW-7 28-Nov-2004	SW-7 18-Apr-2005	SW-7 25-Sep-2005	SW-7 06-Dec-2005
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	152	163	188	180	148	191
Ammonia, unionized	ug/l	20	0.02	0.07	0.03	0.08	0.22	0.06
Ammonia Nitrogen	mg/l	--	<0.03	<0.03	<0.03	0.02	0.04	0.03
Biologic Oxygen Demand, Five Day	mg/l	--	0.6	2.3	2.1	3	4	<1
Chemical Oxygen Demand	mg/l	--	12	23	26	<5	12	<5
Chloride	mg/l	--	3.7	3.7	3.6	6	6	4
Color	color unit	--	16	12	20	7	9	8
Conductivity (Field)	uS/cm	--	300	320	405	700	640	505
Dissolved Oxygen (Field)	mg/l	--[7]	8.92	8.68	8.91	11.02	10.41	9.49
Hardness, Calcium Carbonate	mg/l	--	159.1	176.8	198.8	204	150	185
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.46	0.62	0.67	0.37	0.53	0.7
pH (Field)	-	8.5	6.7	6.9	7	7.4	7.5	7.3
Temperature (Field)	deg c	--[9]	2.5	16	2	8	9	3
Turbidity	ntu	--[10]	1.9	1.8	2.6	3.1	3.2	8.9
Metals								
Boron	ug/l	200[13]	<10	<10	<10	<10	<10	<10
Calcium	mg/l	--	40.4	42.2	48.8	52	32	46
Iron	ug/l	300	300	220	280	210	170	**440**
Magnesium	mg/l	--	14.1	17.3	18.7	18	17	17
Potassium	mg/l	--	<1	<1	1	<1	<1	<1
Sodium	mg/l	--	2	2.4	2.4	3	4	2
Strontium	mg/l	--	0.039	0.059	0.072	0.06	0.063	0.06

Parameter	Unit	[2] [1] PWQO	SW-7 31-May-2006	SW-7 01-Dec-2006	SW-7 07-May-2007	SW-7 29-Nov-2007	SW-7 03-Jun-2008	SW-7 30-Nov-2008
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	147	163	183	151	252	177
Ammonia, unionized	ug/l	20	0.1	0.05	0.17	0.04	0.2	0.06
Ammonia Nitrogen	mg/l	--	0.03	<0.02	0.05	<0.02	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	2	<1	<1	3	<1	1
Chemical Oxygen Demand	mg/l	--	<5	9	<5	<5	<5	15
Chloride	mg/l	--	4	4	4	4	4	4
Color	color unit	--	10	12	7	10	13	9
Conductivity (Field)	uS/cm	--	515	390	535	307	462	343
Dissolved Oxygen (Field)	mg/l	--[7]	11.03	10.88	12.04	9.88	12.3	10.96
Hardness, Calcium Carbonate	mg/l	--	146	159	177	147	254	185
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.34	2.04	0.17	0.56	0.25	0.23
pH (Field)	-	8.5	7.3	7.4	7.4	7.3	7.7	7.5
Temperature (Field)	deg c	--[9]	8	2	6	3	11	2
Turbidity	ntu	--[10]	1.4	1.7	2.1	7.2	2.2	2.7
Metals								
Boron	ug/l	200[13]	<10	10	10	<10	<10	<10
Calcium	mg/l	--	32	39	46	34	72	46
Iron	ug/l	300	150	80	100	180	130	110
Magnesium	mg/l	--	16	15	15	15	18	17
Potassium	mg/l	--	<1	<1	<1	<1	<1	1
Sodium	mg/l	--	2	<2	2	<2	3	<2
Strontium	mg/l	--	0.06	0.055	0.07	0.067	0.101	0.067

Parameter	Unit	[2] [1] PWQO	SW-7 03-Jun-2009 S-3	SW-7 25-Nov-2009 SW-7	SW-7 06-May-2010 S-17	SW-7 30-Nov-2010 S-4	SW-7 11-May-2011 SW-4	SW-7 14-Nov-2011 S-4
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	162	163	168	201	176	156
Ammonia, unionized	ug/l	20	<20	<20	**350**	<20	<20	<20
Ammonia Nitrogen	mg/l	--	0.03	<0.02	<0.02	<0.02	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	2	2	1	2	<1	2
Chemical Oxygen Demand	mg/l	--	5	10	13	10	10	30
Chloride	mg/l	--	5	6	4	5	3	5
Color	color unit	--	6	9	9	10	9	12
Conductivity (Field)	uS/cm	--	316	353	335	330	337	313
Dissolved Oxygen (Field)	mg/l	--[7]	7.84	10.61	9.65	8.4	7.63	10.36
Hardness, Calcium Carbonate	mg/l	--	175	161	154	182	183	169
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.29	0.38	0.31	<0.10	0.28	0.71
pH (Field)	-	8.5	8.4	6.29	8.23	--	8.03	7.4
Temperature (Field)	deg c	--[9]	21.7	6	18.8	3.1	16.0	10.5
Turbidity	ntu	--[10]	2.2	0.2	2.7	2.7	1.6	5.3
Metals								
Boron	ug/l	200[13]	<10	10	<10	<10	<10	<10
Calcium	mg/l	--	42	38	37	45	47	38
Iron	ug/l	300	130	150	200	160	110	**330**
Magnesium	mg/l	--	17	16	15	17	16	18
Potassium	mg/l	--	<1	<1	<1	<1	<1	1
Sodium	mg/l	--	<2	3	<2	<2	<2	<2
Strontium	mg/l	--	0.060	0.061	0.065	0.059	0.047	0.063

Parameter	Unit	[2] [1] PWQO	SW-7 29-May-2012 SW-7	SW-7 22-Nov-2012 B - 10
General Chemistry				
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	171	153
Ammonia, unionized	ug/l	20	<20	<20
Ammonia Nitrogen	mg/l	--	<0.02	0.05
Biologic Oxygen Demand, Five Day	mg/l	--	6	7
Chemical Oxygen Demand	mg/l	--	24	25
Chloride	mg/l	--	4	5
Color	color unit	--	12	13
Conductivity (Field)	uS/cm	--	330	335
Dissolved Oxygen (Field)	mg/l	--[7]	3.28	8.66
Hardness, Calcium Carbonate	mg/l	--	151	167
Nitrogen, Organic	mg/l	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.57	1.14
pH (Field)	-	8.5	8.16	7.4
Temperature (Field)	deg c	--[9]	25.00	5
Turbidity	ntu	--[10]	73.4	29.4
Metals				
Boron	ug/l	200[13]	<10	<10
Calcium	mg/l	--	34	37
Iron	ug/l	300	210	**980**
Magnesium	mg/l	--	16	18
Potassium	mg/l	--	<1	<1
Sodium	mg/l	--	4	3
Strontium	mg/l	--	0.063	0.066

Parameter	Unit	[2] [1] PWQO	SW-8 19-Apr-2002	SW-8 16-Sep-2002	SW-8 11-Nov-2002	SW-8 03-May-2003	SW-8 22-Sep-2003	SW-8 24-Nov-2003
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	224	116	153	215	117	190
Ammonia, unionized	ug/l	20	6.98	0.27	0.07	1.74	0.05	0.22
Ammonia Nitrogen	mg/l	--	1.03	<0.02	<0.02	0.32	<0.02	0.3
Biologic Oxygen Demand, Five Day	mg/l	--	1	<1	<1	<1	3	<1
Chemical Oxygen Demand	mg/l	--	22	17	16	19	8	27
Chloride	mg/l	--	25	29	34	36	28	23
Color	color unit	--	35	16	21	34	15	37
Conductivity (Field)	uS/cm	--	490	250	300	380	530	465
Dissolved Oxygen (Field)	mg/l	--[7]	5.12	3.82	3.96	8.6	3.11	4.04
Hardness, Calcium Carbonate	mg/l	--	226	128	169	265	134	219
Nitrogen, Organic	mg/l	--	--	0.49	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	1.58	0.51	0.62	0.94	0.52	0.73
pH (Field)	-	8.5	7.3	7.6	7.4	7.4	6.9	6.8
Sulfate	mg/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	--[9]	18	18	6	12	16	4
Turbidity	ntu	--[10]	2	1.9	4.1	1.6	3.3	1.9
Metals								
Boron	ug/l	200[13]	<50	<50	<50	<50	40	30
Calcium	mg/l	--	61	30	43	70	37	58
Hexavalent Chromium	ug/l	1[15]	--	--	<50	--	--	--
Iron	ug/l	300	--	--	--	**340**	200	120
Magnesium	mg/l	--	18	13	15	22	10	18
Potassium	mg/l	--	2	2	3	2	3	3
Sodium	mg/l	--	15	17	18	22	15	17
Strontium	mg/l	--	0.153	0.109	0.139	0.188	0.194	0.16

Parameter	Unit	[2] [1] PWQO	SW-8 07-Apr-2004	SW-8 24-Sep-2004	SW-8 28-Nov-2004	SW-8 18-Apr-2005	SW-8 25-Sep-2005	SW-8 06-Dec-2005
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	194	308	214	247	162	249
Ammonia, unionized	ug/l	20	1.46	1.64	0.08	0.65	0.26	0.72
Ammonia Nitrogen	mg/l	--	0.59	0.52	0.05	0.24	0.06	0.37
Biologic Oxygen Demand, Five Day	mg/l	--	<0.5	1.9	1	<1	4	<1
Chemical Oxygen Demand	mg/l	--	14	32	20	7	16	<5
Chloride	mg/l	--	26.4	24.3	20.9	30	39	22
Color	color unit	--	32	40	52	16	26	15
Conductivity (Field)	uS/cm	--	440	510	540	600	590	590
Dissolved Oxygen (Field)	mg/l	--[7]	7.74	7.71	8.41	10.11	11.11	10.88
Hardness, Calcium Carbonate	mg/l	--	222.4	314.3	231.1	280	173	250
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.88	1.35	0.58	0.55	0.73	0.72
pH (Field)	-	8.5	7.3	7.3	7.2	7.3	7.4	7.3
Sulfate	mg/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	--[9]	5	8	2	6	9	2
Turbidity	ntu	--[10]	1.9	2.6	1.8	1.8	3.7	0.9
Metals								
Boron	ug/l	200[13]	20	50	20	30	50	30
Calcium	mg/l	--	59.2	82.8	60.1	76	43	67
Hexavalent Chromium	ug/l	1[15]	--	--	--	--	--	--
Iron	ug/l	300	**370**	**480**	290	270	290	290
Magnesium	mg/l	--	18.1	26	19.6	22	16	20
Potassium	mg/l	--	1	3.2	2	2	3	1
Sodium	mg/l	--	13.8	19.6	14.5	19	23	16
Strontium	mg/l	--	0.136	0.217	0.154	0.185	0.195	0.161

Parameter	Unit	[2] [1] PWQO	SW-8 31-May-2006	SW-8 01-Dec-2006	SW-8 07-May-2007	SW-8 29-Nov-2007	SW-8 03-Jun-2008	SW-8 30-Nov-2008
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	211	219	256	156	211	53
Ammonia, unionized	ug/l	20	0.22	0.3	0.26	0.06	1.7	0.08
Ammonia Nitrogen	mg/l	--	0.05	0.21	0.13	0.03	0.07	0.02
Biologic Oxygen Demand, Five Day	mg/l	--	2	<1	3	2	1	2
Chemical Oxygen Demand	mg/l	--	12	13	13	7	22	10
Chloride	mg/l	--	27	13	20	29	27	2
Color	color unit	--	33	17	<2	43	61	22
Conductivity (Field)	uS/cm	--	690	625	505	564	491	115
Dissolved Oxygen (Field)	mg/l	--[7]	10.44	9.99	11.77	10.81	8.2	10.11
Hardness, Calcium Carbonate	mg/l	--	210	210	223	221	224	58
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.64	1.38	0.56	0.85	0.71	0.34
pH (Field)	-	8.5	7.4	7.2	7.2	7.3	7.9	7.6
Sulfate	mg/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	--[9]	9	1	5	2	17	2
Turbidity	ntu	--[10]	3.6	1.9	1.9	2.5	1.2	2.3
Metals								
Boron	ug/l	200[13]	40	50	30	50	30	<10
Calcium	mg/l	--	51	56	58	59	60	15
Hexavalent Chromium	ug/l	1[15]	--	--	--	--	--	--
Iron	ug/l	300	250	210	190	130	**350**	90
Magnesium	mg/l	--	20	17	19	18	18	5
Potassium	mg/l	--	<1	2	<1	2	<1	2
Sodium	mg/l	--	19	13	16	19	20	<2
Strontium	mg/l	--	0.168	0.143	0.17	0.193	0.175	0.03

Parameter	Unit	[2] [1] PWQO	SW-8 03-Jun-2009 S-9	SW-8 25-Nov-2009 SW-8	SW-8 06-May-2010 S-15	SW-8 30-Nov-2010 S-9	SW-8 11-May-2011 SW-12	SW-8 14-Nov-2011 S-13
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	250	217	243	270	235	210
Ammonia, unionized	ug/l	20	--	<20	**380**	<20	<20	<20
Ammonia Nitrogen	mg/l	--	<0.02	0.04	<0.02	0.36	0.03	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	14	1	1	1	2	3
Chemical Oxygen Demand	mg/l	--	10	28	28	10	20	35
Chloride	mg/l	--	24	30	24	16	16	28
Color	color unit	--	30	58	50	13	27	53
Conductivity (Field)	uS/cm	--	540	589	465	454	484	541
Dissolved Oxygen (Field)	mg/l	--[7]	7.37	10.6	7.62	7.08	6.34	7.62
Hardness, Calcium Carbonate	mg/l	--	250	247	231	274	245	256
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.39	0.65	0.43	0.39	0.13	0.64
pH (Field)	-	8.5	7.39	7.18	7.69	--	7.77	7.8
Sulfate	mg/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	--[9]	18.9	5.8	16.4	3.2	17.7	9.2
Turbidity	ntu	--[10]	2.0	1.1	1.7	1.3	1.2	4.0
Metals								
Boron	ug/l	200[13]	20	40	20	30	20	30
Calcium	mg/l	--	67	66	61	75	65	68
Hexavalent Chromium	ug/l	1[15]	--	--	--	--	<50	--
Iron	ug/l	300	**320**	180	270	190	230	160
Magnesium	mg/l	--	20	20	19	21	20	21
Potassium	mg/l	--	<1	2	<1	1	<1	2
Sodium	mg/l	--	19	24	18	13	12	21
Strontium	mg/l	--	0.196	0.197	0.210	0.168	0.143	0.245

Parameter	Unit	[2] [1] PWQO	SW-8 29-May-2012 SW-8	SW-8 22-Nov-2012 B - 2
General Chemistry				
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	243	145
Ammonia, unionized	ug/l	20	<20	<20
Ammonia Nitrogen	mg/l	--	<0.02	0.06
Biologic Oxygen Demand, Five Day	mg/l	--	2	4
Chemical Oxygen Demand	mg/l	--	32	19
Chloride	mg/l	--	89	34
Color	color unit	--	39	22
Conductivity (Field)	uS/cm	--	492	540
Dissolved Oxygen (Field)	mg/l	--[7]	5.96	7.99
Hardness, Calcium Carbonate	mg/l	--	199	170
Nitrogen, Organic	mg/l	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.54	0.71
pH (Field)	-	8.5	7.9	7.7
Sulfate	mg/l	--	--	16
Temperature (Field)	deg c	--[9]	27.00	2
Turbidity	ntu	--[10]	3.5	2.8
Metals				
Boron	ug/l	200[13]	20	30
Calcium	mg/l	--	50	40
Hexavalent Chromium	ug/l	1[15]	--	--
Iron	ug/l	300	140	130
Magnesium	mg/l	--	18	17
Potassium	mg/l	--	<1	2
Sodium	mg/l	--	17	22
Strontium	mg/l	--	0.164	0.143

Parameter	Unit	(2) (1) PWQO	SW98-1 19-Apr-2002	SW98-1 11-Jun-2002	SW98-1 03-May-2003	SW98-1 24-Nov-2003	SW98-1 07-Apr-2004	SW98-1 24-Sep-2004
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	350	--	331	335	295	335
Ammonia, unionized	ug/l	20	--	0.72	0.02	0.76	0.12	0.3
Ammonia Nitrogen	mg/l	--	0.05	0.05	<0.02	0.42	0.1	0.15
Biologic Oxygen Demand, Five Day	mg/l	--	2	--	<1	3	2.4	0.6
Bromide	mg/l	--	0.08	--	0.23	<0.05	<0.5	<0.5
Chemical Oxygen Demand	mg/l	--	46	--	36	42	28	58
Chloride	mg/l	--	60	--	67	40	46.8	57.6
Color	color unit	--	36	--	28	31	50	64
Conductivity (Field)	uS/cm	--	--	--	710	660	610	645
Cyanide	ug/l	5(6)	<5	--	<5	<5	<1	<1
Dissolved Oxygen (Field)	mg/l	--(7)	--	--	10.7	3.89	9.87	6.92
Fluoride	mg/l	--	0.69	--	0.22	0.22	0.2	0.2
Hardness, Calcium Carbonate	mg/l	--	417	--	427	362	321.3	342.3
Nitrate as N	mg/l	--	<0.1	--	<0.1	0.13	<0.2	<0.2
Nitrite as N	mg/l	--	<0.1	--	<0.1	<0.1	<0.2	<0.2
Nitrogen, Total Kjeldahl	mg/l	--	1.28	--	0.86	1.1	0.96	1.23
pH (Field)	-	8.5	--	7.6	6.9	7.2	7	7.1
Phosphate	mg/l	--	<0.03	--	0.12	0.04	<1	<1
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	**70**	--	**40**	**80**	**62**	**162**
Sulfate	mg/l	--	75	--	63	43	32.8	23.4
Temperature (Field)	deg c	--(9)	--	19	7	4	5	8
Turbidity	ntu	--(10)	7.4	--	2.5	5.5	3.3	13.8
Metals								
Aluminum, dissolved	ug/l	--(11)	<50	--	<10	<10	<5	7
Arsenic	ug/l	100	<1	--	<1	<1	<2	<2
Barium	mg/l	--	0.08	--	0.06	0.11	0.082	0.14
Beryllium	ug/l	--(12)	<2	--	<1	<1	<1	<1
Boron	ug/l	200(13)	130	--	160	170	110	190
Cadmium	ug/l	0.2(13)	**0.3**	--	0.1	**0.3**	**0.3**	0.2
Calcium	mg/l	--	121	--	123	102	93.4	98.1
Chromium	ug/l	--(14)	<1	--	8	1	<5	<5
Cobalt	ug/l	0.9	0.8	--	0.3	**1.2**	0.6	**2.4**
Copper	ug/l	5	**14**	--	5	**13**	**10.7**	**12.5**
Hexavalent Chromium	ug/l	1(15)	<50	--	<50	<50	--	--
Iron	ug/l	300	**1470**	--	240	**1260**	**460**	**8050**
Lead	ug/l	--(16)	<1	--	<1	<1	<0.5	2.7
Magnesium	mg/l	--	28	--	29	26	21.3	23.6
Manganese	mg/l	--	1.73	--	0.053	0.76	0.545	0.787
Molybdenum	ug/l	40	<10	--	<5	<5	<1	<1
Nickel	ug/l	25	<10	--	<5	12	10	7
Potassium	mg/l	--	6	--	7	10	3.9	6.6
Silver	ug/l	0.1	<0.1	--	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	34	--	37	28	23.3	36.6
Strontium	mg/l	--	0.255	--	0.3	0.29	0.244	0.303
Thallium	ug/l	0.3(17)	<1	--	<1	<1	<0.05	<0.05
Titanium	mg/l	--	<0.01	--	<0.01	<0.01	<0.005	0.152
Vanadium	ug/l	6	<1	--	3	<1	<0.5	5.7
Zinc	ug/l	30	**60**	--	<5	**80**	**121**	**89**
Zirconium	ug/l	4(13)	<1	--	**7**	<10	<1	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	<0.1	<0.1
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	<0.1	<0.1
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	--	<0.6	--	<0.2	<0.2
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	<0.2	<0.2
1,1-Dichloroethane	ug/l	200	<0.4	--	<0.4	--	<0.1	<0.1
1,1-Dichloroethylene	ug/l	40	<0.5	--	<0.5	--	<0.1	<0.1
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	<0.2	<0.2
1,2-Dichlorobenzene	ug/l	2.5	<0.4	--	<0.4	--	<0.1	<0.1
1,2-Dichloroethane	ug/l	100	--	--	--	--	<0.1	<0.1
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	<0.1	<0.1
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	<0.1	<0.1
1,4-Dichlorobenzene	ug/l	4	<0.4	--	<0.4	--	<0.1	<0.1
Methyl Ethyl Ketone	ug/l	400(13)	<20	--	<20	--	<5	<5

Parameter	Unit	(2) (1) PWQO	SW98-1 19-Apr-2002	SW98-1 11-Jun-2002	SW98-1 03-May-2003	SW98-1 24-Nov-2003	SW98-1 07-Apr-2004	SW98-1 24-Sep-2004
2-Hexanone	ug/l	--	--	--	--	--	<5	<5
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	<5	<5
Acetone	ug/l	--	<100	--	<100	--	<10	<10
Benzene	ug/l	100 (17)	<0.5	--	<0.5	--	<0.1	<0.1
Bromodichloromethane	ug/l	200 (13)	<0.3	--	<0.3	--	<0.1	<0.1
Bromoform	ug/l	60 (13)	--	--	--	--	<0.2	<0.2
Bromomethane	ug/l	0.9 (19)	--	--	--	--	<0.5	<0.5
Carbon Tetrachloride	ug/l	--	--	--	--	--	<0.1	<0.1
Chlorobenzene	ug/l	15 (20)	<0.2	--	<0.2	--	<0.1	<0.1
Chloroethane	ug/l	--	<1	--	<1	--	<0.2	<0.2
Chloroform	ug/l	--	<0.5	--	<0.5	--	<0.1	<0.1
Chloromethane	ug/l	700 (13)	<1	--	<1	--	<0.5	<0.5
cis-1,2-Dichloroethene	ug/l	200 (21)	0.5	--	<0.4	--	0.6	0.3
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	<0.2	<0.2
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	<0.2	<0.2
Ethylbenzene	ug/l	8	<0.5	--	<0.5	--	<0.1	<0.1
m,p-Xylenes	ug/l	--	<1	--	<1	--	<0.1	<0.1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	<0.2	<0.2
Methylene Chloride	ug/l	100 (22)	<4	--	<4	--	<0.5	<0.5
o-Xylene	ug/l	40 (17)	<0.5	--	<0.5	--	<0.1	<0.1
Styrene	ug/l	4 (17)	--	--	--	--	<0.1	<0.1
Tetrachloroethylene	ug/l	50 (23)	<0.3	--	<0.3	--	<0.1	<0.1
Toluene	ug/l	0.8	<0.5	--	<0.5	--	<0.2	<0.2
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	--	<0.4	--	<0.1	<0.1
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	<0.2	<0.2
Trichloroethene	ug/l	20	<0.3	--	<0.3	--	0.2	<0.1
Trichlorofluoromethane	ug/l	--	<0.5	--	<0.5	--	<0.2	<0.2
Vinyl Chloride	ug/l	600 (13)	<0.5	--	<0.5	--	0.4	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	--	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW98-1 28-Nov-2004	SW98-1 18-Apr-2005	SW98-1 06-Dec-2005	SW98-1 31-May-2006	SW98-1 01-Dec-2006	SW98-1 07-May-2007
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	341	354	474	256	382	341
Ammonia, unionized	ug/l	20	0.09	0.17	3.22	0.28	1.56	0.11
Ammonia Nitrogen	mg/l	--	0.11	0.1	2.09	0.11	1.17	0.07
Biologic Oxygen Demand, Five Day	mg/l	--	7.5	2	<1	2	<1	<1
Bromide	mg/l	--	<0.5	0.12	<0.05	0.09	0.07	<0.05
Chemical Oxygen Demand	mg/l	--	52	27	24	25	32	18
Chloride	mg/l	--	39.7	70	40	47	30	41
Color	color unit	--	74	16	19	35	27	18
Conductivity (Field)	uS/cm	--	700	580	495	720	790	710
Cyanide	ug/l	5(6)	<1	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	7.49	9.44	9.11	9.89	9.71	9.77
Fluoride	mg/l	--	0.2	0.27	0.28	0.14	0.22	0.22
Hardness, Calcium Carbonate	mg/l	--	329.2	437	474	252	383	348
Nitrate as N	mg/l	--	0.2	<0.1	0.13	<0.1	0.4	0.13
Nitrite as N	mg/l	--	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Total Kjeldahl	mg/l	--	1.57	0.74	3.3	0.85	1.93	0.73
pH (Field)	-	8.5	6.9	7.1	7.2	7.2	7.1	7.1
Phosphate	mg/l	--	<1	0.1	0.2	0.05	0.07	0.2
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	**79**	**40**	**100**	**50**	30	**50**
Sulfate	mg/l	--	18.9	34	39	7	46	30
Temperature (Field)	deg c	--(9)	2	6	2	8	3	5
Turbidity	ntu	--(10)	8.6	4.7	4.6	20.3	4.2	4
Metals								
Aluminum, dissolved	ug/l	--(11)	<5	<10	<10	10	<10	<10
Arsenic	ug/l	100	<2	<1	<1	<1	<1	<1
Barium	mg/l	--	0.08	0.1	0.11	0.07	0.09	0.07
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	131	130	180	160	150	140
Cadmium	ug/l	0.2(13)	0.2	<0.1	0.1	<0.1	0.2	<0.1
Calcium	mg/l	--	90.9	129	142	63	112	98
Chromium	ug/l	--(14)	<5	1	2	1	<1	2
Cobalt	ug/l	0.9	0.5	0.4	**1.2**	0.5	0.7	0.4
Copper	ug/l	5	**6.2**	3	**7**	3	**9**	3
Hexavalent Chromium	ug/l	1(15)	--	<50	<50	<50	<50	<50
Iron	ug/l	300	**810**	**490**	110	**2300**	**710**	**850**
Lead	ug/l	--(16)	<0.5	<1	<1	<1	<1	<1
Magnesium	mg/l	--	24.8	28	29	23	25	25
Manganese	mg/l	--	0.766	0.2	2.77	0.34	0.84	0.29
Molybdenum	ug/l	40	<1	<5	<5	<5	<5	<5
Nickel	ug/l	25	10	6	13	<5	10	<5
Potassium	mg/l	--	7.8	6	7	4	7	5
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	20.2	41	31	30	26	30
Strontium	mg/l	--	0.253	0.308	0.367	0.217	0.295	0.251
Thallium	ug/l	0.3(17)	<0.05	<0.1	<0.1	<0.1	<0.1	0.2
Titanium	mg/l	--	0.008	<0.01	<0.01	0.02	<0.01	<0.01
Vanadium	ug/l	6	<0.5	2	2	<1	<1	1
Zinc	ug/l	30	**68**	<10	**70**	<10	**80**	<10
Zirconium	ug/l	4(13)	<1	<10	2	<5	<5	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	<0.1	<0.6	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	<0.1	<0.4	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.2	<0.6	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	<0.2	<0.4	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.1	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	<0.2	<1	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.1	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.1	<0.5	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	<0.1	<0.7	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	<0.3	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.1	<0.4	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.1	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400(13)	<5	--	<20	<20	<20	<20

Parameter	Unit	(2) (1) PWQO	SW98-1 28-Nov-2004	SW98-1 18-Apr-2005	SW98-1 06-Dec-2005	SW98-1 31-May-2006	SW98-1 01-Dec-2006	SW98-1 07-May-2007
2-Hexanone	ug/l	--	<5	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	<5	--	--	--	--	--
Acetone	ug/l	--	<10	--	<100	<100	<100	<100
Benzene	ug/l	100 (17)	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.1	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	<0.2	<0.4	--	--	--	--
Bromomethane	ug/l	0.9 (19)	<0.5	<0.5	--	--	--	--
Carbon Tetrachloride	ug/l	--	<0.1	<0.5	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<0.2	<1	<1	<1	<1	<1
Chloroform	ug/l	--	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<0.5	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.1	<0.4	0.7	<0.4	0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.2	<0.2	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	<0.2	<0.3	--	--	--	--
Ethylbenzene	ug/l	8	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.1	<1	<1	<1	<1	<1
Methyl tert-Butyl Ether	ug/l	200 (13)	<0.2	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<0.5	<4	<4	<4	<4	<4
o-Xylene	ug/l	40 (17)	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	<0.1	<0.5	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.1	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.1	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	<0.2	<0.2	--	--	--	--
Trichloroethene	ug/l	20	<0.1	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	0.4	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW98-1 29-Nov-2007	SW98-1 03-Jun-2008	SW98-1 30-Nov-2008	SW98-1 03-Jun-2009 S-15	SW98-1 25-Nov-2009 98-1	SW98-1 06-May-2010 S-5
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	268	244	368	349	385	343
Ammonia, unionized	ug/l	20	0.35	0.3	2.62	<20	<20	**540**
Ammonia Nitrogen	mg/l	--	0.13	0.07	0.99	0.09	0.24	0.03
Biologic Oxygen Demand, Five Day	mg/l	--	2	<1	3	2	<1	3
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	20	22	38	25	33	38
Chloride	mg/l	--	29	53	29	43	52	37
Color	color unit	--	25	31	19	46	18	25
Conductivity (Field)	uS/cm	--	970	680	670	856	1099	853
Cyanide	ug/l	5(6)	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	11.04	10.8	11.66	1.67	1.53	1.74
Fluoride	mg/l	--	0.35	0.19	0.29	0.17	0.17	0.21
Hardness, Calcium Carbonate	mg/l	--	260	254	375	330	326	326
Nitrate as N	mg/l	--	0.17	<0.1	0.14	<0.10	<0.10	<0.10
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	0.74	0.67	1.29	0.77	0.60	0.89
pH (Field)	-	8.5	7.4	7.2	7.4	7.36	5.99	7.81
Phosphate	mg/l	--	<0.03	0.06	<0.03	--	--	--
Phosphate, Ortho	mg/l	--	--	--	--	<0.03	0.03	<0.03
Phosphorus	ug/l	--(8)	**40**	20	**40**	20	30	**50**
Sulfate	mg/l	--	27	14	14	6	14	8
Temperature (Field)	deg c	--(9)	3	14	3	18.2	7.0	15.4
Turbidity	ntu	--(10)	5.1	3.5	3.8	12.3	15.3	3.0
Metals								
Aluminum, dissolved	ug/l	--(11)	<10	40	<10	<10	20	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.07	0.08	0.09	0.09	0.11	0.10
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	180	**210**	190	140	130	130
Cadmium	ug/l	0.2(13)	0.1	<0.1	**0.4**	<0.1	<0.1	<0.1
Calcium	mg/l	--	71	57	109	91	91	91
Chromium	ug/l	--(14)	<1	4	3	2	<5	1
Cobalt	ug/l	0.9	0.5	0.6	0.8	0.4	0.9	0.2
Copper	ug/l	5	**12**	**6**	**13**	3	2	2
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	**670**	**1770**	**590**	**2120**	**3700**	**1250**
Lead	ug/l	--(16)	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	20	27	25	25	24	24
Manganese	mg/l	--	0.36	0.37	1.99	0.39	1.04	0.10
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	8	<5	19	<5	6	<5
Potassium	mg/l	--	6	2	8	4	5	6
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	20	35	22	30	40	27
Strontium	mg/l	--	0.233	0.221	0.255	0.312	0.328	0.308
Thallium	ug/l	0.3(17)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	2	2	**7**	5	5	<1
Zinc	ug/l	30	**50**	10	**170**	<10	<10	<10
Zirconium	ug/l	4(13)	<1	<10	<1	<2	<2	<2
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400(13)	<20	<20	<20	<10	<10	<10

Parameter	Unit	(2) (1) PWQO	SW98-1 29-Nov-2007	SW98-1 03-Jun-2008	SW98-1 30-Nov-2008	SW98-1 03-Jun-2009 S-15	SW98-1 25-Nov-2009 98-1	SW98-1 06-May-2010 S-5
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<100	<100	<100	<50	<50	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1	<1.0	<1.0	<1.0
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1	<1.0	<1.0	<1.0
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	0.5	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW98-1 30-Nov-2010 [26] S-16	SW98-1 11-May-2011 [4] SW-16	SW98-1 14-Nov-2011 S-14	SW98-1 29-May-2012 SW98-1	SW98-1 22-Nov-2012 [27] B - 3
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	446	404	324	311	447
Ammonia, unionized	ug/l	20	**40**	<20	<20	<20	<20
Ammonia Nitrogen	mg/l	--	1.29	<0.02	0.04	0.16	0.38
Biologic Oxygen Demand, Five Day	mg/l	--	7	2	1	<1	4
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	35	35	35	36	29
Chloride	mg/l	--	26	40	25	35	41
Color	color unit	--	21	18	21	33	16
Conductivity (Field)	uS/cm	--	658	843	636	710	735
Cyanide	ug/l	5[6]	<5	<2	<10	<2	<2
Dissolved Oxygen (Field)	mg/l	--[7]	5.42	3.69	4.9	1.67	1.66
Fluoride	mg/l	--	0.23	0.25	0.18	0.22	0.13
Hardness, Calcium Carbonate	mg/l	--	465	406	294	227	470
Nitrate as N	mg/l	--	0.36	<0.10	0.30	<0.10	0.26
Nitrite as N	mg/l	--	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Total Kjeldahl	mg/l	--	1.75	0.42	0.74	0.83	0.81
pH (Field)	-	8.5	--	7.42	7.21	6.75	7.2
Phosphate	mg/l	--	--	--	--	--	--
Phosphate, Ortho	mg/l	--	<0.03	<0.03	<0.03	<0.03	<0.03
Phosphorus	ug/l	--[8]	10	**40**	**40**	30	30
Sulfate	mg/l	--	13	17	9	5	62
Temperature (Field)	deg c	--[9]	5.8	19.9	10.5	20.00	3
Turbidity	ntu	--[10]	8.0	3.1	9.9	14.9	>100
Metals							
Aluminum, dissolved	ug/l	--[11]	30	<10	<10	10	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1
Barium	mg/l	--	0.10	0.13	0.11	0.10	0.18
Beryllium	ug/l	--[12]	<1	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200[13]	140	160	140	140	140
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<1
Calcium	mg/l	--	140	118	80	58	137
Chromium	ug/l	--[14]	2	2	3	2	2
Cobalt	ug/l	0.9	0.7	0.4	0.3	0.5	**4.1**
Copper	ug/l	5	4	3	4	2	**7**
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	<50	<50
Iron	ug/l	300	**2170**	**1300**	**1240**	**2870**	**16100**
Lead	ug/l	--[16]	<1	<1	<1	<1	<1
Magnesium	mg/l	--	28	27	23	20	31
Manganese	mg/l	--	0.83	0.20	0.18	0.58	2.63
Molybdenum	ug/l	40	<5	<5	<5	<5	<5
Nickel	ug/l	25	7	<5	<5	<5	8
Potassium	mg/l	--	6	4	7	2	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	25	27	19	22	43
Strontium	mg/l	--	0.293	0.304	0.252	0.219	0.359
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	5	3	3	4	5
Zinc	ug/l	30	**50**	10	<10	<10	**60**
Zirconium	ug/l	4[13]	<2	<2	<2	<2	<2
VOCs							
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10[18]	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5[13]	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7[13]	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400[13]	<10	<10	<10	<10	<10

Parameter	Unit	(2) (1) PWQO	SW98-1 30-Nov-2010 [26] S-16	SW98-1 11-May-2011 [4] SW-16	SW98-1 14-Nov-2011 S-14	SW98-1 29-May-2012 SW98-1	SW98-1 22-Nov-2012 [27] B - 3
2-Hexanone	ug/l	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--
Acetone	ug/l	--	<50	<50	<50	<50	<50
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 [13]	--	--	--	--	--
Bromomethane	ug/l	0.9 [19]	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--
Chlorobenzene	ug/l	15 [20]	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1.0	<1.0	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<1.0	<1.0	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 [13]	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1.0	<1.0	<0.5	<0.5	<0.5
Methyl tert-Butyl Ether	ug/l	200 [13]	--	--	--	--	--
Methylene Chloride	ug/l	100 [22]	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 [17]	--	--	--	--	--
Tetrachloroethylene	ug/l	50 [23]	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 [13]	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	0.2	<0.2
Phenols							
Phenolics, Total Recoverable	ug/l	1 [3]	<1	<1	<1	<1	<1

Parameter	Unit	[2] [1] PWQO	SW99-1 19-Apr-2002	SW99-1 03-May-2003	SW99-1 24-Nov-2003	SW99-1 07-Apr-2004	SW99-1 24-Sep-2004	SW99-1 28-Nov-2004
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	192	170	157	176	220	194
Ammonia, unionized	ug/l	20	0.14	0.03	0.02	0.05	0.05	0.03
Ammonia Nitrogen	mg/l	--	0.02	<0.02	<0.02	<0.03	<0.03	<0.03
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	<1	<0.5	<0.5	0.7
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.5	<0.5	<0.5
Chemical Oxygen Demand	mg/l	--	<5	8	14	8	23	14
Chloride	mg/l	--	35	36	50	34.2	56.3	61.7
Color	color unit	--	9	17	14	6	20	18
Conductivity (Field)	uS/cm	--	650	380	295	260	300	490
Cyanide	ug/l	5[6]	<5	<5	<5	<1	<1	<1
Dissolved Oxygen (Field)	mg/l	--[7]	4.18	6.32	4.66	7.82	7	7.88
Fluoride	mg/l	--	0.13	0.12	<0.1	<0.1	<0.1	<0.1
Hardness, Calcium Carbonate	mg/l	--	242	241	266	234.5	294	285.4
Nitrate as N	mg/l	--	3.24	2.11	1.9	2.4	<0.2	0.6
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2
Nitrogen, Organic	mg/l	--	0.4	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.42	0.37	0.33	0.25	0.32	0.3
pH (Field)	-	8.5	7.3	6.9	7	7.2	7	7
Phosphate	mg/l	--	<0.03	0.12	0.04	<1	<1	<1
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--[8]	20	**40**	30	9	**56**	**31**
Sulfate	mg/l	--	64	60	80	61	61.4	76.6
Temperature (Field)	deg c	--[9]	18	9	2	2	9	2
Turbidity	ntu	--[10]	0.5	1	1.3	2.5	37	6.1
Metals								
Aluminum, dissolved	ug/l	--[11]	<50	<10	<10	7	<5	<5
Arsenic	ug/l	100	<1	<1	<1	<2	<2	<2
Barium	mg/l	--	0.06	0.06	0.07	0.059	0.116	0.073
Beryllium	ug/l	--[12]	<2	<1	<1	<1	<1	<1
Boron	ug/l	200[13]	<50	<50	20	30	37	15
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Calcium	mg/l	--	69	70	77	66.6	86.5	80.7
Chromium	ug/l	--[14]	<1	4	<1	<5	<5	<5
Cobalt	ug/l	0.9	<0.2	<0.2	<0.2	<0.1	**1.3**	0.2
Copper	ug/l	5	1	1	2	0.9	**5.3**	1.1
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	--	--	--
Iron	ug/l	300	20	20	40	40	**2080**	**340**
Lead	ug/l	--[16]	<1	<1	<1	<0.5	3.5	<0.5
Magnesium	mg/l	--	17	16	18	16.5	18.9	20.3
Manganese	mg/l	--	<0.01	<0.005	<0.01	<0.005	0.122	0.032
Molybdenum	ug/l	40	<10	<5	<5	<1	<1	<1
Nickel	ug/l	25	<10	<5	<5	<1	3	<1
Potassium	mg/l	--	2	2	3	1.8	2.4	1.8
Silver	ug/l	0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	21	20	23	21.4	18.2	19.4
Strontium	mg/l	--	0.083	0.091	0.095	0.081	0.119	0.099
Thallium	ug/l	0.3[17]	<1	<1	<1	<0.05	<0.05	<0.05
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.005	0.115	0.019
Vanadium	ug/l	6	<1	1	<1	<0.5	4.1	0.6
Zinc	ug/l	30	<10	<5	<10	<5	29	5
Zirconium	ug/l	4[13]	<1	**7**	<10	<1	<1	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--	--	--	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	ug/l	10[18]	--	--	--	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6	--	<0.2	<0.2	<0.2
1,1,2-Trichloroethane	ug/l	800	--	--	--	<0.2	<0.2	<0.2
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	--	<0.1	<0.1	<0.1
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	--	<0.1	<0.1	<0.1
1,2-Dibromoethane	ug/l	5[13]	--	--	--	<0.2	<0.2	<0.2
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	--	<0.1	<0.1	<0.1
1,2-Dichloroethane	ug/l	100	--	--	--	<0.1	<0.1	<0.1
1,2-Dichloropropane	ug/l	0.7[13]	--	--	--	<0.1	<0.1	<0.1
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	<0.1	<0.1	<0.1

Parameter	Unit	[2] [1] PWQO	SW99-1 19-Apr-2002	SW99-1 03-May-2003	SW99-1 24-Nov-2003	SW99-1 07-Apr-2004	SW99-1 24-Sep-2004	SW99-1 28-Nov-2004
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	--	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	ug/l	400 [13]	<20	<20	--	<5	<5	<5
2-Hexanone	ug/l	--	--	--	--	<5	<5	<5
Methyl Isobutyl Ketone	ug/l	--	--	--	--	<5	<5	<5
Acetone	ug/l	--	<100	<100	--	<10	<10	<10
Benzene	ug/l	100 [17]	<0.5	<0.5	--	<0.1	<0.1	<0.1
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	--	<0.1	<0.1	<0.1
Bromoform	ug/l	60 [13]	--	--	--	<0.2	<0.2	<0.2
Bromomethane	ug/l	0.9 [19]	--	--	--	<0.5	<0.5	<0.5
Carbon Tetrachloride	ug/l	--	--	--	--	<0.1	<0.1	<0.1
Chlorobenzene	ug/l	15 [20]	<0.2	<0.2	--	<0.1	<0.1	<0.1
Chloroethane	ug/l	--	<1	<1	--	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	--	<0.1	<0.1	<0.1
Chloromethane	ug/l	700 [13]	<1	<1	--	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	--	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	ug/l	--	--	--	--	<0.2	<0.2	<0.2
Dibromochloromethane	ug/l	40 [13]	--	--	--	<0.2	<0.2	<0.2
Ethylbenzene	ug/l	8	<0.5	<0.5	--	<0.1	<0.1	<0.1
m,p-Xylenes	ug/l	--	<1	<1	--	<0.1	<0.1	<0.1
Methyl tert-Butyl Ether	ug/l	200 [13]	--	--	--	<0.2	<0.2	<0.2
Methylene Chloride	ug/l	100 [22]	<4	<4	--	<0.5	<0.5	<0.5
o-Xylene	ug/l	40 [17]	<0.5	<0.5	--	<0.1	<0.1	<0.1
Styrene	ug/l	4 [17]	--	--	--	<0.1	<0.1	<0.1
Tetrachloroethylene	ug/l	50 [23]	<0.3	<0.3	--	<0.1	<0.1	<0.1
Toluene	ug/l	0.8	<0.5	<0.5	--	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	--	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	ug/l	7 [13]	--	--	--	<0.2	<0.2	<0.2
Trichloroethene	ug/l	20	<0.3	<0.3	--	0.2	<0.1	<0.1
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	--	<0.2	<0.2	<0.2
Vinyl Chloride	ug/l	600 [13]	<0.5	<0.5	--	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [3]	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW99-1 18-Apr-2005	SW99-1 06-Dec-2005	SW99-1 31-May-2006	SW99-1 01-Dec-2006	SW99-1 07-May-2007	SW99-1 29-Nov-2007
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	208	219	230	205	196	68
Ammonia, unionized	ug/l	20	0.03	0.19	0.06	0.04	0.75	0.04
Ammonia Nitrogen	mg/l	--	<0.02	0.09	<0.02	<0.02	0.35	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	2	<1	<1	1
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.25
Chemical Oxygen Demand	mg/l	--	<5	<5	<5	<5	<5	<5
Chloride	mg/l	--	50	45	38	33	26	22
Color	color unit	--	10	6	15	6	13	42
Conductivity (Field)	uS/cm	--	780	520	390	430	490	410
Cyanide	ug/l	5(6)	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	9.97	8.95	10.44	10.33	10.07	10.71
Fluoride	mg/l	--	0.13	0.12	<0.1	<0.1	<0.1	<0.1
Hardness, Calcium Carbonate	mg/l	--	301	295	269	256	223	122
Nitrate as N	mg/l	--	0.76	1.05	<0.1	2.26	0.66	0.98
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.07	0.22	0.54	0.16	1.01	0.24
pH (Field)	-	8.5	7.1	7.3	7.3	7.3	7.2	7.3
Phosphate	mg/l	--	0.07	0.25	0.07	0.07	0.1	0.03
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	20	**130**	**50**	<10	20	20
Sulfate	mg/l	--	76	77	43	72	53	50
Temperature (Field)	deg c	--(9)	6	3	7	3	6	2
Turbidity	ntu	--(10)	1.5	0.7	7.7	0.9	1.3	4.6
Metals								
Aluminum, dissolved	ug/l	--(11)	<10	<10	<10	<10	<10	10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.07	0.06	0.07	0.05	0.06	0.03
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	30	30	40	20	40	20
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	86	85	78	73	63	34
Chromium	ug/l	--(14)	<1	1	1	<1	1	2
Cobalt	ug/l	0.9	<0.2	<0.2	0.5	<0.2	<0.2	0.3
Copper	ug/l	5	<1	<1	2	3	1	2
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	20	<30	300	<30	<30	160
Lead	ug/l	--(16)	<1	<1	<1	<1	<1	5
Magnesium	mg/l	--	21	20	18	18	16	9
Manganese	mg/l	--	<0.01	<0.01	0.08	<0.01	<0.01	0.01
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	2	2	2	2	2	1
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	29	28	20	25	23	10
Strontium	mg/l	--	0.103	0.097	0.103	0.092	0.082	0.046
Thallium	ug/l	0.3(17)	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	<1	<1	1	<1	1	<1
Zinc	ug/l	30	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4(13)	<10	<1	<5	<5	<1	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	<0.6	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	<0.4	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	<0.4	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	<1	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.5	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	<0.7	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	<0.3	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.4	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW99-1 18-Apr-2005	SW99-1 06-Dec-2005	SW99-1 31-May-2006	SW99-1 01-Dec-2006	SW99-1 07-May-2007	SW99-1 29-Nov-2007
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 (13)	--	<20	<20	<20	<20	<20
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	--	<100	<100	<100	<100	<100
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	<0.4	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	<0.5	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	<0.5	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.2	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	<0.3	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1	<1	<1	<1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4	<4	<4	<4
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	<0.5	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	<0.2	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	[2] [1] PWQO	SW99-1 03-Jun-2008	SW99-1 30-Nov-2008	SW99-1 03-Jun-2009 S-11	SW99-1 25-Nov-2009 99-1	SW99-1 06-May-2010 S-1	SW99-1 30-Nov-2010 S-12
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	199	200	212	179	211	257
Ammonia, unionized	ug/l	20	0.1	0.07	<20	--	**290**	<20
Ammonia Nitrogen	mg/l	--	<0.02	<0.02	0.03	<0.02	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	<1	1	1	<1	3	<1
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	<5	5	88	8	10	10
Chloride	mg/l	--	26	61	26	47	29	38
Color	color unit	--	12	12	13	15	17	7
Conductivity (Field)	uS/cm	--	485	405	533	581	136	544
Cyanide	ug/l	5[6]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[7]	10.1	11.19	7.45	8.53	8.23	6.34
Fluoride	mg/l	--	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10
Hardness, Calcium Carbonate	mg/l	--	241	320	240	242	232	340
Nitrate as N	mg/l	--	<0.1	1.06	0.27	<0.10	0.31	0.96
Nitrite as N	mg/l	--	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.23	<0.1	0.18	0.22	0.23	0.13
pH (Field)	-	8.5	7.4	7.5	7.91	6.39	7.78	--
Phosphate	mg/l	--	<0.03	<0.03	--	--	--	--
Phosphate, Ortho	mg/l	--	--	--	<0.03	0.05	<0.03	<0.03
Phosphorus	ug/l	--[8]	30	<10	20	**40**	30	<10
Sulfate	mg/l	--	40	98	38	58	44	78
Temperature (Field)	deg c	--[9]	14	4	15.8	6.8	13.6	6.2
Turbidity	ntu	--[10]	1.3	1.3	5.1	2.1	7.5	1.3
Metals								
Aluminum, dissolved	ug/l	--[11]	<10	10	<10	--	<10	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.06	0.08	0.05	0.05	0.06	0.06
Beryllium	ug/l	--[12]	<1	<1	<1	<1	<1	<1
Boron	ug/l	200[13]	40	30	40	40	40	30
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	70	92	68	69	65	100
Chromium	ug/l	--[14]	2	2	1	4	2	<1
Cobalt	ug/l	0.9	<0.2	<0.2	<0.2	0.2	<0.2	<0.2
Copper	ug/l	5	1	<1	1	1	1	<1
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	50	50	30	70	80	50
Lead	ug/l	--[16]	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	16	22	17	17	17	22
Manganese	mg/l	--	0.03	<0.01	0.03	0.01	0.02	0.03
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	2	2	2	1	2	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	21	32	21	18	22	31
Strontium	mg/l	--	0.091	0.097	0.094	0.094	0.098	0.112
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	2	3	2	1	<1	2
Zinc	ug/l	30	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4[13]	<10	<1	<2	<2	<2	<2
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10[18]	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5[13]	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7[13]	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW99-1 03-Jun-2008	SW99-1 30-Nov-2008	SW99-1 03-Jun-2009 S-11	SW99-1 25-Nov-2009 99-1	SW99-1 06-May-2010 S-1	SW99-1 30-Nov-2010 S-12
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	<10	<10	<10	<10
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<100	<100	<50	<50	<50	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1.0	<1.0	<1.0	<1.0
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1.0	<1.0	<1.0	<1.0
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW99-1 11-May-2011 (4) SW-8	SW99-1 14-Nov-2011 (25) SW99-1	SW99-1 29-May-2012 SW99-1	SW99-1 22-Nov-2012 (25) SW99-1
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	207	--	238	--
Ammonia, unionized	ug/l	20	<20	--	<20	--
Ammonia Nitrogen	mg/l	--	<0.02	--	<0.02	--
Biologic Oxygen Demand, Five Day	mg/l	--	<1	--	<1	--
Bromide	mg/l	--	<0.25	--	<0.25	--
Chemical Oxygen Demand	mg/l	--	15	--	16	--
Chloride	mg/l	--	36	--	22	--
Color	color unit	--	17	--	17	--
Conductivity (Field)	uS/cm	--	589	--	553	--
Cyanide	ug/l	5(6)	<2	--	<2	--
Dissolved Oxygen (Field)	mg/l	--(7)	5.35	--	7.1	--
Fluoride	mg/l	--	<0.10	--	<0.10	--
Hardness, Calcium Carbonate	mg/l	--	245	--	216	--
Nitrate as N	mg/l	--	0.79	--	0.24	--
Nitrite as N	mg/l	--	<0.10	--	<0.10	--
Nitrogen, Organic	mg/l	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.30	--	0.28	--
pH (Field)	-	8.5	7.74	--	7.9	--
Phosphate	mg/l	--	--	--	--	--
Phosphate, Ortho	mg/l	--	<0.03	--	<0.03	--
Phosphorus	ug/l	--(8)	<10	--	30	--
Sulfate	mg/l	--	62	--	42	--
Temperature (Field)	deg c	--(9)	20.3	--	20.30	--
Turbidity	ntu	--(10)	1.2	--	0.9	--
Metals						
Aluminum, dissolved	ug/l	--(11)	<10	--	<10	--
Arsenic	ug/l	100	<1	--	<1	--
Barium	mg/l	--	0.06	--	0.06	--
Beryllium	ug/l	--(12)	<0.5	--	<0.5	--
Boron	ug/l	200(13)	40	--	30	--
Cadmium	ug/l	0.2(13)	<0.1	--	<0.1	--
Calcium	mg/l	--	70	--	60	--
Chromium	ug/l	--(14)	1	--	2	--
Cobalt	ug/l	0.9	<0.2	--	<0.2	--
Copper	ug/l	5	1	--	1	--
Hexavalent Chromium	ug/l	1(15)	<50	--	<50	--
Iron	ug/l	300	40	--	50	--
Lead	ug/l	--(16)	<1	--	<1	--
Magnesium	mg/l	--	17	--	16	--
Manganese	mg/l	--	0.02	--	0.06	--
Molybdenum	ug/l	40	<5	--	<5	--
Nickel	ug/l	25	<5	--	<5	--
Potassium	mg/l	--	2	--	2	--
Silver	ug/l	0.1	<0.1	--	<0.1	--
Sodium	mg/l	--	25	--	20	--
Strontium	mg/l	--	0.090	--	0.096	--
Thallium	ug/l	0.3(17)	<0.1	--	<0.1	--
Titanium	mg/l	--	<0.01	--	<0.01	--
Vanadium	ug/l	6	1	--	3	--
Zinc	ug/l	30	<10	--	<10	--
Zirconium	ug/l	4(13)	<2	--	<2	--
VOCs						
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	--	<0.5	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	--	<0.4	--
1,1-Dichloroethylene	ug/l	40	<0.5	--	<0.5	--
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	--	<0.4	--
1,2-Dichloroethane	ug/l	100	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW99-1 11-May-2011 (4) SW-8	SW99-1 14-Nov-2011 (25) SW99-1	SW99-1 29-May-2012 SW99-1	SW99-1 22-Nov-2012 (25) SW99-1
1,4-Dichlorobenzene	ug/l	4	<0.4	--	<0.4	--
Methyl Ethyl Ketone	ug/l	400 (13)	<10	--	<10	--
2-Hexanone	ug/l	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--
Acetone	ug/l	--	<50	--	<50	--
Benzene	ug/l	100 (17)	<0.5	--	<0.5	--
Bromodichloromethane	ug/l	200 (13)	<0.3	--	<0.3	--
Bromoform	ug/l	60 (13)	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	--	<0.2	--
Chloroethane	ug/l	--	<1.0	--	<0.2	--
Chloroform	ug/l	--	<0.5	--	<0.5	--
Chloromethane	ug/l	700 (13)	<1.0	--	<0.2	--
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	--	<0.4	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	--	<0.5	--
m,p-Xylenes	ug/l	--	<1.0	--	<0.5	--
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4.0	--	<4.0	--
o-Xylene	ug/l	40 (17)	<0.5	--	<0.5	--
Styrene	ug/l	4 (17)	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	--	<0.3	--
Toluene	ug/l	0.8	<0.5	--	<0.5	--
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	--	<0.4	--
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--
Trichloroethene	ug/l	20	<0.3	--	<0.3	--
Trichlorofluoromethane	ug/l	--	<0.5	--	<0.5	--
Vinyl Chloride	ug/l	600 (13)	<0.2	--	<0.2	--
Phenols						
Phenolics, Total Recoverable	ug/l	1 (3)	<1	--	<1	--

Parameter	Unit	[2] [1] PWQO	SW99-2 19-Apr-2002	SW99-2 03-May-2003	SW99-2 24-Nov-2003	SW99-2 07-Apr-2004	SW99-2 24-Sep-2004	SW99-2 28-Nov-2004
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	182	202	183	182	266	184
Ammonia, unionized	ug/l	20	0.23	0.82	0.03	0.12	0.04	0.22
Ammonia Nitrogen	mg/l	--	<0.02	0.12	0.04	0.16	<0.03	0.18
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	<1	<0.5	0.7	<0.5
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.5	<0.5	<0.5
Chemical Oxygen Demand	mg/l	--	<5	18	17	15	24	18
Chloride	mg/l	--	25	32	35	28.1	67.9	33.8
Color	color unit	--	8	15	17	20	26	29
Conductivity (Field)	uS/cm	--	460	560	22	390	440	395
Cyanide	ug/l	5[6]	<5	<5	<5	<1	<1	<1
Dissolved Oxygen (Field)	mg/l	--[7]	8.03	5.83	5.28	10.5	8.94	9.41
Fluoride	mg/l	--	0.13	0.14	0.16	0.1	0.1	0.1
Hardness, Calcium Carbonate	mg/l	--	185	358	380	269.4	406.1	277.2
Nitrate as N	mg/l	--	0.38	0.57	0.45	0.7	0.3	0.2
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2
Nitrogen, Organic	mg/l	--	0.23	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.25	0.56	0.55	0.48	0.33	0.44
pH (Field)	-	8.5	7.8	7.4	6.8	6.8	6.9	7.1
Phosphate	mg/l	--	<0.03	0.1	<0.03	<1	<1	<1
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--[8]	20	**40**	10	11	16	16
Sulfate	mg/l	--	21	127	170	103	36.9	105
Temperature (Field)	deg c	--[9]	10	11	3	4	10	2
Turbidity	ntu	--[10]	0.6	2.1	0.9	1.6	1.9	1.6
Metals								
Aluminum, dissolved	ug/l	--[11]	<50	<10	<10	10	9	10
Arsenic	ug/l	100	<1	<1	<1	<2	<2	<2
Barium	mg/l	--	0.05	0.1	0.08	0.073	0.139	0.078
Beryllium	ug/l	--[12]	<2	<1	<1	<1	<1	<1
Boron	ug/l	200[13]	<50	130	120	81	163	73
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	51	112	121	82.9	129	85.6
Chromium	ug/l	--[14]	<1	4	<1	<5	<5	<5
Cobalt	ug/l	0.9	<0.2	0.5	0.4	0.6	0.5	0.2
Copper	ug/l	5	<1	2	2	2.2	2	1.4
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	--	--	--
Iron	ug/l	300	30	270	100	220	180	190
Lead	ug/l	--[16]	<1	<1	<1	<0.5	<0.5	<0.5
Magnesium	mg/l	--	14	19	19	15.1	20.2	15.4
Manganese	mg/l	--	<0.01	0.16	0.08	0.097	0.048	0.042
Molybdenum	ug/l	40	<10	<5	<5	<1	<1	<1
Nickel	ug/l	25	<10	<5	<5	2	1	1
Potassium	mg/l	--	2	4	4	2.3	3.1	2.2
Silver	ug/l	0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	16	18	22	15.5	22.2	14.9
Strontium	mg/l	--	0.095	0.233	0.239	0.163	0.321	0.164
Thallium	ug/l	0.3[17]	<1	<1	<1	<0.05	<0.05	<0.05
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005
Vanadium	ug/l	6	<1	2	<1	<0.5	<0.5	<0.5
Zinc	ug/l	30	<10	<5	20	19	**37**	11
Zirconium	ug/l	4[13]	<1	**8**	<10	<1	<1	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--	--	--	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	ug/l	10[18]	--	--	--	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6	--	<0.2	<0.2	<0.2
1,1,2-Trichloroethane	ug/l	800	--	--	--	<0.2	<0.2	<0.2
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	--	<0.1	<0.1	<0.1
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	--	<0.1	<0.1	<0.1
1,2-Dibromoethane	ug/l	5[13]	--	--	--	<0.2	<0.2	<0.2
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	--	<0.1	<0.1	<0.1
1,2-Dichloroethane	ug/l	100	--	--	--	<0.1	<0.1	<0.1
1,2-Dichloropropane	ug/l	0.7[13]	--	--	--	<0.1	<0.1	<0.1
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	--	<0.1	<0.1	<0.1

Parameter	Unit	(2) (1) PWQO	SW99-2 19-Apr-2002	SW99-2 03-May-2003	SW99-2 24-Nov-2003	SW99-2 07-Apr-2004	SW99-2 24-Sep-2004	SW99-2 28-Nov-2004
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	--	<5	<5	<5
2-Hexanone	ug/l	--	--	--	--	<5	<5	<5
Methyl Isobutyl Ketone	ug/l	--	--	--	--	<5	<5	<5
Acetone	ug/l	--	<100	<100	--	<10	<10	<10
Benzene	ug/l	100 (17)	<0.5	<0.5	--	<0.1	<0.1	<0.1
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	--	<0.1	<0.1	<0.1
Bromoform	ug/l	60 (13)	--	--	--	<0.2	<0.2	<0.2
Bromomethane	ug/l	0.9 (19)	--	--	--	<0.5	<0.5	<0.5
Carbon Tetrachloride	ug/l	--	--	--	--	<0.1	<0.1	<0.1
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	--	<0.1	<0.1	<0.1
Chloroethane	ug/l	--	<1	<1	--	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	--	<0.1	<0.1	<0.1
Chloromethane	ug/l	700 (13)	<1	<1	--	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	--	0.2	<0.1	0.1
cis-1,3-Dichloropropene	ug/l	--	--	--	--	<0.2	<0.2	<0.2
Dibromochloromethane	ug/l	40 (13)	--	--	--	<0.2	<0.2	<0.2
Ethylbenzene	ug/l	8	<0.5	<0.5	--	<0.1	<0.1	<0.1
m,p-Xylenes	ug/l	--	<1	<1	--	<0.1	<0.1	<0.1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	<0.2	<0.2	<0.2
Methylene Chloride	ug/l	100 (22)	<4	<4	--	<0.5	<0.5	<0.5
o-Xylene	ug/l	40 (17)	<0.5	<0.5	--	<0.1	<0.1	<0.1
Styrene	ug/l	4 (17)	--	--	--	<0.1	<0.1	<0.1
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	--	<0.1	<0.1	<0.1
Toluene	ug/l	0.8	<0.5	<0.5	--	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	--	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	<0.2	<0.2	<0.2
Trichloroethene	ug/l	20	<0.3	<0.3	--	0.2	<0.1	0.1
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	--	<0.2	<0.2	<0.2
Vinyl Chloride	ug/l	600 (13)	<0.5	<0.5	--	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	[2] [1] PWQO	SW99-2 18-Apr-2005	SW99-2 06-Dec-2005	SW99-2 31-May-2006	SW99-2 01-Dec-2006	SW99-2 07-May-2007	SW99-2 29-Nov-2007
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	230	229	235	218	210	127
Ammonia, unionized	ug/l	20	0.48	--	0.13	0.12	0.13	0.19
Ammonia Nitrogen	mg/l	--	0.13	0.28	0.04	0.06	0.05	0.12
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	3	<1	<1	<1
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.05	<0.05	0.32
Chemical Oxygen Demand	mg/l	--	9	<5	12	10	<5	7
Chloride	mg/l	--	36	37	65	31	63	99
Color	color unit	--	12	12	42	16	19	30
Conductivity (Field)	uS/cm	--	580	--	510	410	590	520
Cyanide	ug/l	5[6]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[7]	10.66	--	11.11	11.11	12.61	11.88
Fluoride	mg/l	--	0.2	0.16	<0.1	0.12	0.11	0.1
Hardness, Calcium Carbonate	mg/l	--	367	365	239	333	246	181
Nitrate as N	mg/l	--	0.33	0.37	<0.1	0.73	<0.1	0.64
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.28	0.41	0.91	0.33	0.35	0.71
pH (Field)	-	8.5	7.4	--	7.3	7.3	7.3	7.2
Phosphate	mg/l	--	0.1	0.17	0.05	0.08	0.07	0.04
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--[8]	30	**80**	30	<10	<10	**40**
Sulfate	mg/l	--	126	121	20	120	31	56
Temperature (Field)	deg c	--[9]	7	--	8	2	6	2
Turbidity	ntu	--[10]	1.4	1.5	20.7	1.8	3	7.8
Metals								
Aluminum, dissolved	ug/l	--[11]	<10	20	<10	10	<10	10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.1	0.09	0.04	0.08	0.04	0.04
Beryllium	ug/l	--[12]	<1	<1	<1	<1	<1	<1
Boron	ug/l	200[13]	110	80	40	70	40	40
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	114	115	66	102	67	51
Chromium	ug/l	--[14]	<1	1	<1	<1	2	2
Cobalt	ug/l	0.9	0.5	0.3	0.4	0.4	<0.2	0.5
Copper	ug/l	5	2	1	2	2	1	3
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	230	80	**610**	140	110	**400**
Lead	ug/l	--[16]	<1	<1	<1	<1	<1	1
Magnesium	mg/l	--	20	19	18	19	19	13
Manganese	mg/l	--	0.05	0.05	0.08	0.04	0.03	0.08
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	5	<5	<5	<5	<5
Potassium	mg/l	--	3	3	2	3	1	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	21	21	45	20	42	56
Strontium	mg/l	--	0.205	0.196	0.203	0.185	0.167	0.234
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	0.3	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	1	1	<1	<1	1	1
Zinc	ug/l	30	10	10	<10	20	<10	10
Zirconium	ug/l	4[13]	<10	<1	<5	<5	<1	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20[13]	<0.6	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10[18]	<0.4	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	<0.4	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5[13]	<1	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.5	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7[13]	<0.7	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	<0.3	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.4	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4

Parameter	Unit	(2) (1) PWQO	SW99-2 18-Apr-2005	SW99-2 06-Dec-2005	SW99-2 31-May-2006	SW99-2 01-Dec-2006	SW99-2 07-May-2007	SW99-2 29-Nov-2007
Methyl Ethyl Ketone	ug/l	400 (13)	--	<20	<20	<20	<20	<20
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	--	<100	<100	<100	<100	<100
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	<0.4	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	<0.5	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	<0.5	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.2	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	<0.3	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1	<1	<1	<1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4	<4	<4	<4
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	<0.5	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	<0.2	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	[2] [1] PWQO	SW99-2 03-Jun-2008	SW99-2 30-Nov-2008	SW99-2 03-Jun-2009 S-10	SW99-2 25-Nov-2009 99-2	SW99-2 06-May-2010 S-2	SW99-2 30-Nov-2010 S-10
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	268	191	273	250	239	261
Ammonia, unionized	ug/l	20	0.5	4.82	<20	<20	**940**	<20
Ammonia Nitrogen	mg/l	--	<0.02	0.46	<0.02	0.02	0.06	0.11
Biologic Oxygen Demand, Five Day	mg/l	--	<1	2	1	<1	4	2
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	9	20	8	20	18	15
Chloride	mg/l	--	30	31	32	37	25	27
Color	color unit	--	22	26	22	25	22	14
Conductivity (Field)	uS/cm	--	535	550	729	721	689	562
Cyanide	ug/l	5[6]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[7]	11.7	13.88	7.89	11.47	8.02	8.26
Fluoride	mg/l	--	0.15	0.12	0.15	0.12	0.16	0.12
Hardness, Calcium Carbonate	mg/l	--	370	295	365	308	306	369
Nitrate as N	mg/l	--	0.33	0.27	0.38	0.37	0.36	0.54
Nitrite as N	mg/l	--	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.31	0.51	0.39	0.30	<0.10	0.25
pH (Field)	-	8.5	8.1	8	8.16	5.48	7.82	--
Phosphate	mg/l	--	<0.03	<0.03	--	--	--	--
Phosphate, Ortho	mg/l	--	--	--	<0.03	<0.03	<0.03	<0.03
Phosphorus	ug/l	--[8]	30	10	**40**	**40**	20	20
Sulfate	mg/l	--	93	94	92	83	84	89
Temperature (Field)	deg c	--[9]	11	3	15.4	5.3	13.3	3.8
Turbidity	ntu	--[10]	3.4	2.9	8.3	1.7	3.0	2.0
Metals								
Aluminum, dissolved	ug/l	--[11]	20	30	<10	<10	<10	20
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.11	0.06	0.10	0.07	0.09	0.07
Beryllium	ug/l	--[12]	<1	<1	<1	<1	<1	<1
Boron	ug/l	200[13]	130	70	130	110	100	80
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	115	90	113	92	93	113
Chromium	ug/l	--[14]	2	1	2	5	2	2
Cobalt	ug/l	0.9	0.5	0.4	0.9	0.6	0.5	0.5
Copper	ug/l	5	3	1	2	1	2	1
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	130	150	**610**	**680**	**310**	230
Lead	ug/l	--[16]	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	20	17	20	19	18	21
Manganese	mg/l	--	0.03	0.08	0.13	0.16	0.13	0.14
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	2	3	3	3	3	3
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	21	19	23	23	20	20
Strontium	mg/l	--	0.261	0.143	0.266	0.232	0.227	0.202
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	2	2	3	1	<1	3
Zinc	ug/l	30	10	10	20	10	<10	<10
Zirconium	ug/l	4[13]	<10	<1	<2	<2	<2	<2
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10[18]	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5[13]	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7[13]	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4

Parameter	Unit	(2) (1) PWQO	SW99-2 03-Jun-2008	SW99-2 30-Nov-2008	SW99-2 03-Jun-2009 S-10	SW99-2 25-Nov-2009 99-2	SW99-2 06-May-2010 S-2	SW99-2 30-Nov-2010 S-10
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	<10	<10	<10	<10
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<100	<100	<50	<50	<50	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1.0	<1.0	<1.0	<1.0
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1.0	<1.0	<1.0	<1.0
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW99-2 11-May-2011 (4) SW-6	SW99-2 14-Nov-2011 S-6	SW99-2 29-May-2012 SW99-2	SW99-2 22-Nov-2012 (5) B - 7
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	228	276	288	213
Ammonia, unionized	ug/l	20	<20	<20	20	<20
Ammonia Nitrogen	mg/l	--	<0.02	<0.02	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	<1	1	<1	3
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	15	20	24	9
Chloride	mg/l	--	22	32	20	27
Color	color unit	--	19	24	29	12
Conductivity (Field)	uS/cm	--	870	627	676	610
Cyanide	ug/l	5(6)	<2	<10	--	<2
Dissolved Oxygen (Field)	mg/l	--(7)	8.68	3.96	6.27	3.66
Fluoride	mg/l	--	0.14	0.13	0.15	<0.10
Hardness, Calcium Carbonate	mg/l	--	306	330	291	339
Nitrate as N	mg/l	--	0.28	0.19	0.16	<0.10
Nitrite as N	mg/l	--	<0.10	<0.10	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.32	0.46	0.44	0.24
pH (Field)	-	8.5	7.83	7.8	7.85	7.8
Phosphate	mg/l	--	--	--	--	--
Phosphate, Ortho	mg/l	--	<0.03	<0.03	<0.03	<0.03
Phosphorus	ug/l	--(8)	<10	20	20	10
Sulfate	mg/l	--	92	44	65	119
Temperature (Field)	deg c	--(9)	14.0	10.8	20.90	5
Turbidity	ntu	--(10)	1.2	2.5	1.4	2.1
Metals						
Aluminum, dissolved	ug/l	--(11)	10	<10	<10	<10
Arsenic	ug/l	100	<1	<1	<1	<1
Barium	mg/l	--	0.09	0.10	0.09	0.07
Beryllium	ug/l	--(12)	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200(13)	80	80	110	100
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	93	99	87	101
Chromium	ug/l	--(14)	2	4	2	2
Cobalt	ug/l	0.9	0.6	0.7	0.8	**3.5**
Copper	ug/l	5	1	1	2	3
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50
Iron	ug/l	300	**330**	**720**	**510**	**1650**
Lead	ug/l	--(16)	<1	<1	<1	1
Magnesium	mg/l	--	18	20	18	21
Manganese	mg/l	--	0.14	0.28	0.22	0.82
Molybdenum	ug/l	40	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5
Potassium	mg/l	--	2	3	2	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	18	21	19	18
Strontium	mg/l	--	0.193	0.270	0.220	0.228
Thallium	ug/l	0.3(17)	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	2	3	3	2
Zinc	ug/l	30	<10	<10	<10	**40**
Zirconium	ug/l	4(13)	<2	<2	<2	<2
VOCs						
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4

Parameter	Unit	(2) (1) PWQO	SW99-2 11-May-2011 (4) SW-6	SW99-2 14-Nov-2011 S-6	SW99-2 29-May-2012 SW99-2	SW99-2 22-Nov-2012 (5) B - 7
Methyl Ethyl Ketone	ug/l	400 (13)	<10	<10	<10	<10
2-Hexanone	ug/l	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--
Acetone	ug/l	--	<50	<50	<50	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1.0	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1.0	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1.0	<0.5	<0.5	<0.5
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2
Phenols						
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1

Parameter	Unit	[2] [1] PWQO	SW99-3 19-Apr-2002	SW99-3 03-May-2003	SW99-3 24-Nov-2003	SW99-3 07-Apr-2004	SW99-3 24-Sep-2004	SW99-3 28-Nov-2004
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	235	211	190	197	286	185
Ammonia, unionized	ug/l	20	0.65	2.06	0.05	0.33	0.04	0.13
Ammonia Nitrogen	mg/l	--	0.24	0.28	0.1	0.25	<0.03	0.12
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	<1	<0.5	<0.5	<0.5
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.5	<0.5	<0.5
Chemical Oxygen Demand	mg/l	--	27	16	21	19	22	19
Chloride	mg/l	--	33	35	39	32.9	59.9	32.7
Color	color unit	--	25	15	18	29	24	38
Conductivity (Field)	uS/cm	--	830	530	290	280	395	380
Cyanide	ug/l	5[6]	<5	<5	<5	<1	<1	<1
Dissolved Oxygen (Field)	mg/l	--[7]	6.21	7.13	5.92	10.6	9.86	10.1
Fluoride	mg/l	--	0.63	0.16	0.15	0.1	0.1	0.1
Hardness, Calcium Carbonate	mg/l	--	366	394	414	298.4	432.4	285
Nitrate as N	mg/l	--	0.12	0.64	0.52	0.7	0.4	0.3
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2
Nitrogen, Organic	mg/l	--	0.9	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	1.14	0.71	0.44	0.58	0.35	0.46
pH (Field)	-	8.5	7.1	7.6	6.7	7.1	6.9	7
Phosphate	mg/l	--	<0.03	0.08	0.08	<1	<1	<1
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--[8]	**100**	30	**40**	12	17	13
Sulfate	mg/l	--	145	135	175	117	83.2	104
Temperature (Field)	deg c	--[9]	12	10	3	3	8	3
Turbidity	ntu	--[10]	5.6	3.2	1	2.1	1.5	6.4
Metals								
Aluminum, dissolved	ug/l	--[11]	200	20	<10	6	6	9
Arsenic	ug/l	100	<1	<1	<1	<2	<2	<2
Barium	mg/l	--	0.1	0.12	0.1	0.088	0.141	0.08
Beryllium	ug/l	--[12]	<2	<1	<1	<1	<1	<1
Boron	ug/l	200[13]	100	150	140	93	167	75
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
Calcium	mg/l	--	117	125	133	92.7	133	88.2
Chromium	ug/l	--[14]	<1	4	<1	<5	<5	<5
Cobalt	ug/l	0.9	0.9	0.4	0.4	**1.7**	0.5	0.2
Copper	ug/l	5	<1	2	2	1.4	1.5	1.5
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	--	--	--
Iron	ug/l	300	**1100**	**420**	120	**380**	250	170
Lead	ug/l	--[16]	<1	<1	<1	<0.5	<0.5	<0.5
Magnesium	mg/l	--	18	20	20	16.2	23.9	15.7
Manganese	mg/l	--	0.29	0.084	0.06	0.165	0.052	0.039
Molybdenum	ug/l	40	<10	<5	<5	<1	<1	<1
Nickel	ug/l	25	<10	<5	<5	3	2	1
Potassium	mg/l	--	3	4	5	2.6	3.1	2.2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	18	19	22	17.6	27.4	15.2
Strontium	mg/l	--	0.186	0.243	0.251	0.173	0.337	0.168
Thallium	ug/l	0.3[17]	<1	<1	<1	0.05	<0.05	<0.05
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005
Vanadium	ug/l	6	<1	1	<1	<0.5	<0.5	<0.5
Zinc	ug/l	30	<10	<5	**40**	**41**	26	11
Zirconium	ug/l	4[13]	<1	**7**	<10	<1	<1	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20[13]	--	--	--	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	ug/l	10[18]	--	--	--	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6	--	<0.2	<0.2	<0.2
1,1,2-Trichloroethane	ug/l	800	--	--	--	<0.2	<0.2	<0.2
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	--	<0.1	<0.1	<0.1
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	--	<0.1	<0.1	<0.1
1,2-Dibromoethane	ug/l	5[13]	--	--	--	<0.2	<0.2	<0.2
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	--	<0.1	<0.1	<0.1
1,2-Dichloroethane	ug/l	100	--	--	--	<0.1	<0.1	<0.1
1,2-Dichloropropane	ug/l	0.7[13]	--	--	--	<0.1	<0.1	<0.1
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	--	<0.1	<0.1	<0.1

Parameter	Unit	(2) (1) PWQO	SW99-3 19-Apr-2002	SW99-3 03-May-2003	SW99-3 24-Nov-2003	SW99-3 07-Apr-2004	SW99-3 24-Sep-2004	SW99-3 28-Nov-2004
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	--	<5	<5	<5
2-Hexanone	ug/l	--	--	--	--	<5	<5	<5
Methyl Isobutyl Ketone	ug/l	--	--	--	--	<5	<5	<5
Acetone	ug/l	--	<100	<100	--	<10	<10	<10
Benzene	ug/l	100 (17)	<0.5	<0.5	--	<0.1	<0.1	<0.1
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	--	<0.1	<0.1	<0.1
Bromoform	ug/l	60 (13)	--	--	--	<0.2	<0.2	<0.2
Bromomethane	ug/l	0.9 (19)	--	--	--	<0.5	<0.5	<0.5
Carbon Tetrachloride	ug/l	--	--	--	--	<0.1	<0.1	<0.1
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	--	<0.1	<0.1	<0.1
Chloroethane	ug/l	--	<1	<1	--	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	--	<0.1	<0.1	<0.1
Chloromethane	ug/l	700 (13)	<1	<1	--	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	ug/l	200 (21)	0.8	<0.4	--	0.5	<0.1	0.1
cis-1,3-Dichloropropene	ug/l	--	--	--	--	<0.2	<0.2	<0.2
Dibromochloromethane	ug/l	40 (13)	--	--	--	<0.2	<0.2	<0.2
Ethylbenzene	ug/l	8	<0.5	<0.5	--	<0.1	<0.1	<0.1
m,p-Xylenes	ug/l	--	<1	<1	--	<0.1	<0.1	<0.1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	<0.2	<0.2	<0.2
Methylene Chloride	ug/l	100 (22)	<4	<4	--	<0.5	<0.5	<0.5
o-Xylene	ug/l	40 (17)	<0.5	<0.5	--	<0.1	<0.1	<0.1
Styrene	ug/l	4 (17)	--	--	--	<0.1	<0.1	<0.1
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	--	<0.1	<0.1	<0.1
Toluene	ug/l	0.8	<0.5	<0.5	--	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	--	0.1	<0.1	<0.1
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	<0.2	<0.2	<0.2
Trichloroethene	ug/l	20	0.5	<0.3	--	0.5	<0.1	<0.1
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	--	<0.2	<0.2	<0.2
Vinyl Chloride	ug/l	600 (13)	<0.5	<0.5	--	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	[2] [1] PWQO	SW99-3 18-Apr-2005	SW99-3 06-Dec-2005	SW99-3 31-May-2006	SW99-3 01-Dec-2006	SW99-3 07-May-2007	SW99-3 29-Nov-2007
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--[3]	231	230	234	239	258	164
Ammonia, unionized	ug/l	20	0.48	0.61	0.05	0.24	0.19	0.4
Ammonia Nitrogen	mg/l	--	0.18	0.23	<0.02	0.09	0.07	0.19
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	3	<1	<1	<1
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.25
Chemical Oxygen Demand	mg/l	--	8	<5	9	9	<5	9
Chloride	mg/l	--	37	37	65	35	37	24
Color	color unit	--	12	12	42	16	19	31
Conductivity (Field)	uS/cm	--	600	415	605	505	515	480
Cyanide	ug/l	5[6]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[7]	11.2	12.4	11.84	12.91	12.51	12.88
Fluoride	mg/l	--	0.21	0.17	<0.1	0.12	0.16	0.11
Hardness, Calcium Carbonate	mg/l	--	367	370	241	365	391	226
Nitrate as N	mg/l	--	0.31	0.37	<0.1	0.76	0.29	0.27
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.25	0.39	0.94	0.34	0.38	0.66
pH (Field)	-	8.5	7.3	7.4	7.2	7.4	7.3	7.3
Phosphate	mg/l	--	0.14	0.13	0.07	0.07	0.05	<0.03
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--[8]	30	**70**	**60**	30	30	20
Sulfate	mg/l	--	127	127	20	132	126	71
Temperature (Field)	deg c	--[9]	6	3	8	3	6	3
Turbidity	ntu	--[10]	2.6	1.3	6.2	1.1	1.7	2.5
Metals								
Aluminum, dissolved	ug/l	--[11]	<10	<10	<10	<10	<10	10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.11	0.09	0.04	0.08	0.12	0.07
Beryllium	ug/l	--[12]	<1	<1	<1	<1	<1	<1
Boron	ug/l	200[13]	110	80	50	70	110	90
Cadmium	ug/l	0.2[13]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	114	117	67	113	122	69
Chromium	ug/l	--[14]	<1	<1	<1	<1	1	<1
Cobalt	ug/l	0.9	0.5	0.4	0.4	0.4	0.5	0.4
Copper	ug/l	5	2	1	1	2	<1	2
Hexavalent Chromium	ug/l	1[15]	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	250	110	**600**	110	**400**	120
Lead	ug/l	--[16]	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	20	19	18	20	21	13
Manganese	mg/l	--	0.06	0.06	0.08	0.04	0.09	0.08
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	5	<5	<5	<5	<5
Potassium	mg/l	--	3	3	2	3	3	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	22	22	45	22	25	16
Strontium	mg/l	--	0.212	0.201	0.198	0.188	0.23	0.165
Thallium	ug/l	0.3[17]	<0.1	<0.1	0.2	<0.1	0.3	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	1	<1	<1	<1	<1	<1
Zinc	ug/l	30	10	20	<10	20	10	20
Zirconium	ug/l	4[13]	<10	<1	<5	<5	<1	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20[13]	<0.6	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10[18]	<0.4	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	<0.4	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5[13]	<1	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.5	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7[13]	<0.7	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	<0.3	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	<0.4	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4

Parameter	Unit	(2) (1) PWQO	SW99-3 18-Apr-2005	SW99-3 06-Dec-2005	SW99-3 31-May-2006	SW99-3 01-Dec-2006	SW99-3 07-May-2007	SW99-3 29-Nov-2007
Methyl Ethyl Ketone	ug/l	400 (13)	--	<20	<20	<20	<20	<20
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	--	<100	<100	<100	<100	<100
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	<0.4	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	<0.5	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	<0.5	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	0.7	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.2	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	<0.3	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1	<1	<1	<1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4	<4	<4	<4
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	<0.5	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	<0.2	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	0.5	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW99-3 03-Jun-2008	SW99-3 30-Nov-2008	SW99-3 03-Jun-2009 S-6	SW99-3 25-Nov-2009 99-3	SW99-3 06-May-2010 S-6	SW99-3 30-Nov-2010 S-11
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	267	190	260	257	244	280
Ammonia, unionized	ug/l	20	0.4	5.26	<20	<20	**1470**	<20
Ammonia Nitrogen	mg/l	--	0.02	0.4	0.03	0.03	0.08	0.20
Biologic Oxygen Demand, Five Day	mg/l	--	<1	2	3	<1	4	1
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	8	18	15	18	25	20
Chloride	mg/l	--	30	31	28	40	28	31
Color	color unit	--	22	27	23	25	25	15
Conductivity (Field)	uS/cm	--	505	520	656	375	753	610
Cyanide	ug/l	5(6)	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	13	14.11	4.34	13.8	9.04	8.61
Fluoride	mg/l	--	0.15	0.12	0.14	0.12	0.16	0.13
Hardness, Calcium Carbonate	mg/l	--	375	297	328	309	309	400
Nitrate as N	mg/l	--	0.34	0.28	0.34	0.45	0.44	0.66
Nitrite as N	mg/l	--	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.35	0.52	0.86	0.24	0.66	0.32
pH (Field)	-	8.5	8	8.1	7.59	6.4	7.92	--
Phosphate	mg/l	--	0.05	<0.03	--	--	--	--
Phosphate, Ortho	mg/l	--	--	--	<0.03	0.04	<0.03	<0.03
Phosphorus	ug/l	--(8)	20	20	**70**	10	30	<10
Sulfate	mg/l	--	94	94	79	95	97	102
Temperature (Field)	deg c	--(9)	11	3	17.7	5.5	12.5	3.4
Turbidity	ntu	--(10)	2.3	2.6	11.3	0.7	2.6	2.8
Metals								
Aluminum, dissolved	ug/l	--(11)	10	30	<10	<10	<10	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.11	0.07	0.10	0.08	0.12	0.08
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	130	80	110	130	100	100
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	117	91	100	94	94	124
Chromium	ug/l	--(14)	2	2	2	5	1	3
Cobalt	ug/l	0.9	0.6	0.5	**1.6**	0.4	0.8	0.4
Copper	ug/l	5	2	2	3	1	2	1
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	190	190	**1370**	50	**690**	140
Lead	ug/l	--(16)	<1	<1	2	<1	<1	<1
Magnesium	mg/l	--	20	17	19	18	18	22
Manganese	mg/l	--	0.04	0.07	0.38	0.04	0.10	0.05
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	2	3	2	3	3	4
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	21	19	20	24	21	23
Strontium	mg/l	--	0.271	0.149	0.249	0.261	0.236	0.222
Thallium	ug/l	0.3(17)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	2	3	2	1	<1	4
Zinc	ug/l	30	10	10	30	<10	10	<10
Zirconium	ug/l	4(13)	<10	<1	<2	<2	<2	<2
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4

Parameter	Unit	(2) (1) PWQO	SW99-3 03-Jun-2008	SW99-3 30-Nov-2008	SW99-3 03-Jun-2009 S-6	SW99-3 25-Nov-2009 99-3	SW99-3 06-May-2010 S-6	SW99-3 30-Nov-2010 S-11
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	<10	<10	<10	<10
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<100	<100	<50	<50	<50	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1.0	<1.0	<1.0	<1.0
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1.0	<1.0	<1.0	<1.0
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW99-3 11-May-2011 (4) SW-7	SW99-3 14-Nov-2011 S-5	SW99-3 29-May-2012 SW99-3	SW99-3 22-Nov-2012 (5) B - 8
General Chemistry						
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	239	283	314	209
Ammonia, unionized	ug/l	20	<20	<20	<20	<20
Ammonia Nitrogen	mg/l	--	<0.02	<0.02	<0.02	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	1	1	<1	3
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	15	25	29	25
Chloride	mg/l	--	25	35	24	30
Color	color unit	--	20	24	27	13
Conductivity (Field)	uS/cm	--	680	643	7.2	620
Cyanide	ug/l	5(6)	<2	<10	<2	<2
Dissolved Oxygen (Field)	mg/l	--(7)	6.57	9.25	8.16	5.22
Fluoride	mg/l	--	0.15	0.13	0.16	0.10
Hardness, Calcium Carbonate	mg/l	--	340	328	311	303
Nitrate as N	mg/l	--	0.40	0.29	0.24	<0.10
Nitrite as N	mg/l	--	<0.10	<0.10	<0.10	<0.10
Nitrogen, Organic	mg/l	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.21	0.40	0.55	0.92
pH (Field)	-	8.5	8.02	8.04	8.23	7.8
Phosphate	mg/l	--	--	--	--	--
Phosphate, Ortho	mg/l	--	<0.03	<0.03	<0.03	<0.03
Phosphorus	ug/l	--(8)	<10	20	**60**	**130**
Sulfate	mg/l	--	111	47	76	89
Temperature (Field)	deg c	--(9)	14.2	11	18.80	4
Turbidity	ntu	--(10)	2.1	2.1	1.3	5.2
Metals						
Aluminum, dissolved	ug/l	--(11)	<10	<10	10	<10
Arsenic	ug/l	100	<1	<1	<1	<1
Barium	mg/l	--	0.09	0.10	0.11	0.07
Beryllium	ug/l	--(12)	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200(13)	90	90	130	90
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	105	95	95	90
Chromium	ug/l	--(14)	2	4	2	1
Cobalt	ug/l	0.9	0.5	0.5	**1.1**	**1.5**
Copper	ug/l	5	1	1	2	5
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50
Iron	ug/l	300	190	140	**860**	**760**
Lead	ug/l	--(16)	<1	<1	1	2
Magnesium	mg/l	--	19	22	18	19
Manganese	mg/l	--	0.04	0.06	0.15	0.12
Molybdenum	ug/l	40	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5
Potassium	mg/l	--	3	4	2	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	22	21	25	19
Strontium	mg/l	--	0.192	0.280	0.240	0.200
Thallium	ug/l	0.3(17)	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	2	3	5	2
Zinc	ug/l	30	10	<10	20	30
Zirconium	ug/l	4(13)	<2	<2	<2	<2
VOCs						
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4

Parameter	Unit	(2) (1) PWQO	SW99-3 11-May-2011 (4) SW-7	SW99-3 14-Nov-2011 S-5	SW99-3 29-May-2012 SW99-3	SW99-3 22-Nov-2012 (5) B - 8
Methyl Ethyl Ketone	ug/l	400 (13)	<10	<10	<10	<10
2-Hexanone	ug/l	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--
Acetone	ug/l	--	<50	<50	<50	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1.0	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1.0	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1.0	<0.5	<0.5	<0.5
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2
Phenols						
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW99-4 19-Apr-2002	SW99-4 16-Sep-2002
General Chemistry				
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	305	322
Ammonia, unionized	ug/L	20	9.17	0.8
Ammonia Nitrogen	mg/l	--	1.47	0.32
Biologic Oxygen Demand, Five Day	mg/l	--	3	1
Bromide	mg/l	--	<0.05	<0.05
Chemical Oxygen Demand	mg/l	--	26	46
Chloride	mg/l	--	38	42
Color	color unit	--	20	37
Conductivity	uS/cm	--	875	820
Cyanide	ug/l	5(6)	<5	<5
Dissolved Oxygen	mg/l	--(7)	3.02	3.18
Fluoride	mg/l	--	0.55	0.19
Hardness, Calcium Carbonate	mg/l	--	316	336
Nitrate	mg/l	--	0.12	<0.1
Nitrite	mg/l	--	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	--	--	<0.2
Nitrogen, Organic	mg/l	--	--	0.9
Nitrogen, Total Kjeldahl	mg/l	--	2.23	1.22
pH	-	8.5	7.2	6.8
Phosphate	mg/l	--	<0.03	0.09
Phosphorus	ug/l	--(8)	**100**	**40**
Sulfate	mg/l	--	39	7
Temperature	deg c	--(9)	20	20
Turbidity	ntu	--(10)	15.4	5.5
Metals				
Aluminum, dissolved	ug/l	--(11)	<50	<10
Arsenic	ug/l	100	<1	<1
Barium	mg/l	--	0.14	0.18
Beryllium	ug/l	--(12)	<2	<1
Boron	ug/l	200(13)	150	200
Cadmium	ug/l	0.2(13)	0.1	<0.1
Calcium	mg/l	--	97	100
Chromium	ug/l	--(14)	6	<1
Cobalt	ug/l	0.9	**1.5**	0.5
Copper	ug/l	5	2	5
Hexavalent Chromium	ug/l	1(15)	<50	<50
Iron	ug/l	300	**1790**	**770**
Lead	ug/l	--(16)	4	2
Magnesium	mg/l	--	18	21
Manganese	mg/l	--	0.77	0.269
Molybdenum	ug/l	40	<10	<5
Nickel	ug/l	25	<10	<5
Potassium	mg/l	--	4	3
Silver	ug/l	0.1	<10	<0.1
Sodium	mg/l	--	19	25
Strontium	mg/l	--	0.208	0.232
Thallium	ug/l	0.3(17)	<1	<1
Titanium	mg/l	--	<0.01	<0.01
Vanadium	ug/l	6	<1	<1
Zinc	ug/l	30	<10	<5
Zirconium	ug/l	4(13)	<1	**5**
VOCs				
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6
1,1-Dichloroethane	ug/l	200	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400(13)	<20	<20
Acetone	ug/l	--	<100	<100
Benzene	ug/l	100(17)	<0.5	<0.5
Bromodichloromethane	ug/l	200(13)	<0.3	<0.3
Chlorobenzene	ug/l	15(20)	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1
Chloroform	ug/l	--	<0.5	<0.5
Chloromethane	ug/l	700(13)	<1	<1

Parameter	Unit	[2] [1] PWQO	SW99-4 19-Apr-2002	SW99-4 16-Sep-2002
cis-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1
Methylene Chloride	ug/l	100 [22]	<4	<4
o-Xylene	ug/l	40 [17]	<0.5	<0.5
Tetrachloroethylene	ug/l	50 [23]	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4
Trichloroethene	ug/l	20	0.6	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.5	<0.5
Phenols				
Phenolics, Total Recoverable	ug/l	1 [3]	<1	<1

Parameter	Unit	(2) (1) PWQO	SW99-5 19-Apr-2002	SW99-5 16-Sep-2002	SW99-5 03-May-2003	SW99-5 22-Sep-2003	SW99-5 24-Nov-2003	SW99-5 07-Apr-2004
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	418	274	358	243	403	327
Ammonia, unionized	ug/l	20	6.46	0.14	0.42	0.04	1.09	0.1
Ammonia Nitrogen	mg/l	--	1.21	0.03	0.61	0.04	2.39	0.52
Biologic Oxygen Demand, Five Day	mg/l	--	3	3	<1	<1	<1	<0.5
Bromide	mg/l	--	<0.05	0.14	<0.05	<0.05	<0.05	<0.5
Chemical Oxygen Demand	mg/l	--	29	50	24	<5	32	20
Chloride	mg/l	--	60	47	61	62	57	55.3
Color	color unit	--	17	42	8	6	13	52
Conductivity (Field)	uS/cm	--	980	1020	890	920	800	890
Cyanide	ug/l	5(6)	<5	<5	<5	<5	<5	2
Dissolved Oxygen (Field)	mg/l	--(7)	2.88	2.14	2.39	2.31	3.44	4.11
Fluoride	mg/l	--	0.63	0.18	0.45	0.57	0.98	0.1
Hardness, Calcium Carbonate	mg/l	--	477	279	532	332	559	395.7
Nitrate as N	mg/l	--	<0.1	<0.1	<0.1	2.82	<0.1	0.7
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
Nitrogen, Nitrate-Nitrite	mg/l	--	--	<0.2	--	--	--	--
Nitrogen, Organic	mg/l	--	--	1.49	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	2.1	1.52	5.28	0.32	3.45	0.94
pH (Field)	-	8.5	7.1	7	6.4	6.8	6.6	6.3
Phosphate	mg/l	--	<0.03	0.19	0.19	<0.03	0.17	<1
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	**40**	**90**	**330**	<10	**70**	21
Sulfate	mg/l	--	47	6	180	54	111	86.8
Temperature (Field)	deg c	--(9)	21	22	15	8	4	2
Turbidity	ntu	--(10)	57.2	7.1	87.5	42.6	95.6	17.7
Metals								
Aluminum, dissolved	ug/l	--(11)	<50	<10	<10	10	<10	<5
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<2
Barium	mg/l	--	0.28	0.18	0.42	0.14	0.19	0.156
Beryllium	ug/l	--(12)	<2	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	**290**	**230**	**270**	60	**270**	142
Cadmium	ug/l	0.2(13)	<0.1	<0.1	**0.6**	<0.1	<0.1	**0.3**
Calcium	mg/l	--	145	77	167	100	171	122
Chromium	ug/l	--(14)	<1	<1	13	8	3	<5
Cobalt	ug/l	0.9	0.9	0.4	**1.2**	0.4	**1.8**	0.3
Copper	ug/l	5	2	**6**	**13**	2	2	**8.2**
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	--
Iron	ug/l	300	**540**	**1170**	**55000**	**3560**	**11300**	**2410**
Lead	ug/l	--(16)	<1	3	12	2	<1	0.7
Magnesium	mg/l	--	28	21	28	20	32	21.5
Manganese	mg/l	--	0.49	0.097	0.567	0.038	1.42	0.285
Molybdenum	ug/l	40	<10	<5	<5	<5	<5	<1
Nickel	ug/l	25	<10	<5	<5	<5	5	4
Potassium	mg/l	--	6	3	5	4	9	3.6
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	27	25	34	29	35	26.6
Strontium	mg/l	--	0.388	0.228	0.349	0.356	0.336	0.237
Thallium	ug/l	0.3(17)	<1	<1	<1	<1	<1	<0.05
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005
Vanadium	ug/l	6	<1	<1	5	3	<1	<0.5
Zinc	ug/l	30	<10	<5	**300**	20	**60**	**182**
Zirconium	ug/l	4(13)	<1	**5**	**7**	<10	<10	<1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	<0.1
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	<0.1
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	<0.6	<0.6	<0.6	--	<0.2
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	<0.2
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	--	0.2
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	--	<0.1
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	<0.2
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	--	<0.1
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	<0.1
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	<0.1
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW99-5 19-Apr-2002	SW99-5 16-Sep-2002	SW99-5 03-May-2003	SW99-5 22-Sep-2003	SW99-5 24-Nov-2003	SW99-5 07-Apr-2004
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	<0.1
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	0.5	<0.4	--	0.2
Methyl Ethyl Ketone	ug/l	400 [13]	<20	<20	<20	<20	--	<5
2-Hexanone	ug/l	--	--	--	--	--	--	<5
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	<5
Acetone	ug/l	--	<100	<100	<100	<100	--	<10
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	--	0.3
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	--	<0.1
Bromoform	ug/l	60 [13]	--	--	--	--	--	<0.2
Bromomethane	ug/l	0.9 [19]	--	--	--	--	--	<0.5
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	<0.1
Chlorobenzene	ug/l	15 [20]	<0.2	<0.2	<0.2	<0.2	--	0.5
Chloroethane	ug/l	--	<1	<1	<1	<1	--	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	--	<0.1
Chloromethane	ug/l	700 [13]	<1	<1	<1	<1	--	<0.5
cis-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	<0.4	<0.4	--	0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	<0.2
Dibromochloromethane	ug/l	40 [13]	--	--	--	--	--	<0.2
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	--	<0.1
m,p-Xylenes	ug/l	--	<1	<1	<1	<1	--	<0.1
Methyl tert-Butyl Ether	ug/l	200 [13]	--	--	--	--	--	<0.2
Methylene Chloride	ug/l	100 [22]	<4	<4	<4	<4	--	<0.5
o-Xylene	ug/l	40 [17]	<0.5	<0.5	<0.5	<0.5	--	<0.1
Styrene	ug/l	4 [17]	--	--	--	--	--	<0.1
Tetrachloroethylene	ug/l	50 [23]	<0.3	<0.3	<0.3	<0.3	--	<0.1
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	--	<0.2
trans-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	<0.4	<0.4	--	<0.1
trans-1,3-Dichloropropene	ug/l	7 [13]	--	--	--	--	--	<0.2
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	0.6	--	0.1
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	--	<0.2
Vinyl Chloride	ug/l	600 [13]	<0.5	<0.5	<0.5	<0.5	--	15.4
Phenols								
Phenolics, Total Recoverable	ug/l	1 [3]	<1	<1	<1	<1	<1	1

Parameter	Unit	(2) (1) PWQO	SW99-5 24-Sep-2004	SW99-5 28-Nov-2004	SW99-5 18-Apr-2005	SW99-5 06-Dec-2005	SW99-5 31-May-2006	SW99-5 01-Dec-2006
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	410	372	340	376	372	283
Ammonia, unionized	ug/l	20	1.63	1.01	2.92	4.8	0.53	0.15
Ammonia Nitrogen	mg/l	--	1.75	2.39	2	2.28	0.36	0.22
Biologic Oxygen Demand, Five Day	mg/l	--	3	7.2	2	<1	7	<1
Bromide	mg/l	--	<0.5	<0.5	<0.05	<0.05	<0.05	<0.05
Chemical Oxygen Demand	mg/l	--	89	31	32	29	38	34
Chloride	mg/l	--	59.4	46	47	45	35	28
Color	color unit	--	658	700	11	8	22	242
Conductivity (Field)	uS/cm	--	1120	1010	1210	830	1140	1210
Cyanide	ug/l	5(6)	<1	<1	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	6.02	7.44	7.91	8.88	7.56	8.01
Fluoride	mg/l	--	0.1	0.1	0.19	0.14	0.11	<0.1
Hardness, Calcium Carbonate	mg/l	--	420.2	360.4	377	394	363	282
Nitrate as N	mg/l	--	<0.2	<0.2	0.16	<0.1	<0.1	<0.1
Nitrite as N	mg/l	--	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	3.65	2.78	3.02	5.55	1.99	2.55
pH (Field)	-	8.5	6.7	6.6	7	7.3	6.9	6.8
Phosphate	mg/l	--	<1	<1	0.22	0.27	0.22	0.04
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	**343**	**60**	**180**	**80**	**260**	30
Sulfate	mg/l	--	12.8	18.2	41	28	3	19
Temperature (Field)	deg c	--(9)	10	3	7	3	10	3
Turbidity	ntu	--(10)	206	218	>100	70.6	>100	45.8
Metals								
Aluminum, dissolved	ug/l	--(11)	12	11	<10	10	<10	20
Arsenic	ug/l	100	3	<2	2	<50	<1	4
Barium	mg/l	--	0.55	0.302	0.43	0.24	0.36	0.15
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	**246**	183	170	180	**210**	130
Cadmium	ug/l	0.2(13)	**0.4**	<0.1	0.2	<1	<0.1	<0.1
Calcium	mg/l	--	129	107	113	115	109	80
Chromium	ug/l	--(14)	<5	<5	3	<5	<1	<1
Cobalt	ug/l	0.9	**1.2**	0.8	0.7	<5	0.6	0.5
Copper	ug/l	5	**13.1**	0.6	**14**	<5	1	1
Hexavalent Chromium	ug/l	1(15)	--	--	<50	<50	<50	<50
Iron	ug/l	300	**60300**	**22400**	**60700**	**17600**	**19900**	**12900**
Lead	ug/l	--(16)	2.9	<0.5	<1	<10	<1	<1
Magnesium	mg/l	--	23.7	22.2	23	26	22	20
Manganese	mg/l	--	1.11	1.26	0.65	1.5	0.98	0.87
Molybdenum	ug/l	40	<1	<1	<5	<5	<5	<5
Nickel	ug/l	25	2	1	<5	<5	<5	<5
Potassium	mg/l	--	6.4	6.1	5	7	3	5
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<10	<0.1	<0.1
Sodium	mg/l	--	26.7	21.8	27	20	24	16
Strontium	mg/l	--	0.308	0.231	0.256	0.236	0.261	0.197
Thallium	ug/l	0.3(17)	<0.05	<0.05	<0.1	<10	<0.1	<0.1
Titanium	mg/l	--	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	0.8	<0.5	6	<5	<1	<1
Zinc	ug/l	30	**162**	15	**210**	10	<10	10
Zirconium	ug/l	4(13)	<1	<1	<10	1	<5	<5
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	<0.1	<0.1	<0.6	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	<0.1	<0.1	<0.4	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.2	<0.2	<0.6	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	<0.2	<0.2	<0.4	--	--	--
1,1-Dichloroethane	ug/l	200	<0.1	0.1	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	<0.2	<0.2	<1	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.1	<0.1	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	<0.1	<0.1	<0.5	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	<0.1	<0.1	<0.7	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	<0.3	--	--	--

Parameter	Unit	(2) (1) PWQO	SW99-5 24-Sep-2004	SW99-5 28-Nov-2004	SW99-5 18-Apr-2005	SW99-5 06-Dec-2005	SW99-5 31-May-2006	SW99-5 01-Dec-2006
1,3-Dichlorobenzene	ug/l	2.5	<0.1	<0.1	<0.4	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.1	<0.1	<0.4	<0.4	<0.4	0.4
Methyl Ethyl Ketone	ug/l	400 (13)	<5	<5	--	<20	<20	<20
2-Hexanone	ug/l	--	<5	<5	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	<5	<5	--	--	--	--
Acetone	ug/l	--	<10	<10	--	<100	<100	<100
Benzene	ug/l	100 (17)	<0.1	0.2	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	<0.2	<0.2	<0.4	--	--	--
Bromomethane	ug/l	0.9 (19)	<0.5	<0.5	<0.5	--	--	--
Carbon Tetrachloride	ug/l	--	<0.1	<0.1	<0.5	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.1	0.2	<0.2	<0.2	<0.2	0.3
Chloroethane	ug/l	--	<0.2	0.2	<1	<1	<1	<1
Chloroform	ug/l	--	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<0.5	<0.5	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.1	0.2	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	<0.2	<0.2	<0.2	--	--	--
Dibromochloromethane	ug/l	40 (13)	<0.2	<0.2	<0.3	--	--	--
Ethylbenzene	ug/l	8	0.1	<0.1	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.1	<0.1	<1	<1	<1	<1
Methyl tert-Butyl Ether	ug/l	200 (13)	<0.2	<0.2	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<0.5	<0.5	<4	<4	<4	<4
o-Xylene	ug/l	40 (17)	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	<0.1	<0.1	<0.5	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.1	<0.1	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	<0.2	<0.2	<0.2	--	--	--
Trichloroethene	ug/l	20	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	1	13.7	7.2	32	<0.2	14
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW99-5 07-May-2007	SW99-5 29-Nov-2007	SW99-5 03-Jun-2008	SW99-5 30-Nov-2008	SW99-5 03-Jun-2009 S-14	SW99-5 25-Nov-2009 99-5
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	316	425	543	673	540	634
Ammonia, unionized	ug/l	20	2.93	2.45	8.6	10.01	<20	<20
Ammonia Nitrogen	mg/l	--	1.85	2.52	2.52	5.16	3.32	6.66
Biologic Oxygen Demand, Five Day	mg/l	--	<1	3	4	6	5	7
Bromide	mg/l	--	<0.05	<0.25	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	13	22	29	35	33	33
Chloride	mg/l	--	36	54	57	80	47	74
Color	color unit	--	12	9	12	11	34	645
Conductivity (Field)	uS/cm	--	990	1005	1100	1040	124	1378
Cyanide	ug/l	5(6)	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	8.9	7.88	5.9	10.22	1.62	0.58
Fluoride	mg/l	--	0.15	0.18	0.2	0.22	0.20	0.24
Hardness, Calcium Carbonate	mg/l	--	335	396	553	652	519	541
Nitrate as N	mg/l	--	<0.1	0.11	<0.1	<0.1	<0.10	0.16
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	2.28	3.39	3.83	5.25	4.67	7.29
pH (Field)	-	8.5	7	7	7.2	7.3	6.94	6.57
Phosphate	mg/l	--	0.09	<0.03	<0.03	<0.03	--	--
Phosphate, Ortho	mg/l	--	--	--	--	--	<0.03	<0.03
Phosphorus	ug/l	--(8)	20	**40**	**150**	**50**	**260**	**80**
Sulfate	mg/l	--	49	11	3	4	<1	<1
Temperature (Field)	deg c	--(9)	8	2	12	2	17.9	7.7
Turbidity	ntu	--(10)	56.1	62.2	10.1	>100	>100	>100
Metals								
Aluminum, dissolved	ug/l	--(11)	<10	10	20	<10	<10	<10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.29	0.12	0.35	0.6	0.81	0.53
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	160	140	**280**	**360**	180	**350**
Cadmium	ug/l	0.2(13)	0.1	0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	101	119	162	190	155	159
Chromium	ug/l	--(14)	2	2	6	6	4	<5
Cobalt	ug/l	0.9	0.6	**1**	0.9	**1.1**	0.6	**1.0**
Copper	ug/l	5	**6**	2	2	1	3	1
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	**13000**	**5350**	**13000**	**41500**	**68100**	**28900**
Lead	ug/l	--(16)	1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	20	24	36	43	32	35
Manganese	mg/l	--	0.43	0.72	0.67	1.21	1.07	1.35
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	10
Potassium	mg/l	--	5	7	7	11	7	11
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	24	29	34	64	33	42
Strontium	mg/l	--	0.214	0.246	0.445	0.582	0.483	0.560
Thallium	ug/l	0.3(17)	0.2	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	2	3	**10**	**13**	**10**	**15**
Zinc	ug/l	30	**90**	**140**	<10	30	**50**	10
Zirconium	ug/l	4(13)	<1	<1	<10	<1	<2	<2
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW99-5 07-May-2007	SW99-5 29-Nov-2007	SW99-5 03-Jun-2008	SW99-5 30-Nov-2008	SW99-5 03-Jun-2009 S-14	SW99-5 25-Nov-2009 99-5
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 (13)	<20	<20	<20	<20	<10	<10
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<100	<100	<100	<100	<50	<50
Benzene	ug/l	100 (17)	<0.5	<0.5	<0.5	1.5	<0.5	1.1
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	0.3	0.2	<0.2	<0.2	<0.2	0.3
Chloroethane	ug/l	--	<1	<1	<1	<1	<1.0	<1.0
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	<1	<1	<1	<1.0	<1.0
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1	<1	<1.0	<1.0
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	<4	<4	<4	<4.0	<4.0
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	12	1.8	0.7	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW99-5 06-May-2010 S-4	SW99-5 30-Nov-2010 (26) S-15	SW99-5 11-May-2011 (4) SW-10	SW99-5 14-Nov-2011 (28) S-9	SW99-5 29-May-2012 (25) SW99-5
General Chemistry							
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	521	581	477	578	--
Ammonia, unionized	ug/l	20	**6710**	**80**	<20	<20	--
Ammonia Nitrogen	mg/l	--	4.08	4.44	0.80	4.06	--
Biologic Oxygen Demand, Five Day	mg/l	--	6	5	2	19	--
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25	--
Chemical Oxygen Demand	mg/l	--	25	60	30	75	--
Chloride	mg/l	--	41	31	25	60	--
Color	color unit	--	9	10	15	15	--
Conductivity (Field)	uS/cm	--	1180	892	930	1135	--
Cyanide	ug/l	5(6)	<5	<5	<2	<10	--
Dissolved Oxygen (Field)	mg/l	--(7)	1.42	1.3	1.95	0.94	--
Fluoride	mg/l	--	0.23	0.20	0.20	0.18	--
Hardness, Calcium Carbonate	mg/l	--	432	599	449	555	--
Nitrate as N	mg/l	--	<0.10	<0.10	<0.10	0.30	--
Nitrite as N	mg/l	--	<0.10	<0.10	<0.10	<0.10	--
Nitrogen, Nitrate-Nitrite	mg/l	--	--	--	--	--	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	5.00	4.72	1.02	6.80	--
pH (Field)	-	8.5	6.83	--	6.83	6.93	--
Phosphate	mg/l	--	--	--	--	--	--
Phosphate, Ortho	mg/l	--	<0.03	<0.03	<0.03	<0.03	--
Phosphorus	ug/l	--(8)	**40**	**60**	20	**310**	--
Sulfate	mg/l	--	1	<1	11	5	--
Temperature (Field)	deg c	--(9)	13.5	8.3	20.1	10	--
Turbidity	ntu	--(10)	>100	>100	82.1	232	--
Metals							
Aluminum, dissolved	ug/l	--(11)	<10	<10	<10	<10	--
Arsenic	ug/l	100	<1	<1	<1	<50	--
Barium	mg/l	--	0.44	0.51	0.38	0.76	--
Beryllium	ug/l	--(12)	<1	<1	<0.5	<10	--
Boron	ug/l	200(13)	190	**260**	**240**	200	--
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<10	--
Calcium	mg/l	--	127	179	127	163	--
Chromium	ug/l	--(14)	4	4	2	<50	--
Cobalt	ug/l	0.9	0.6	0.7	0.5	<10	--
Copper	ug/l	5	<1	<1	<1	**30**	--
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	--
Iron	ug/l	300	**28700**	**38400**	**9800**	**43800**	--
Lead	ug/l	--(16)	<1	<1	<1	<10	--
Magnesium	mg/l	--	28	37	32	36	--
Manganese	mg/l	--	0.91	0.85	0.34	0.75	--
Molybdenum	ug/l	40	<5	<5	<5	<10	--
Nickel	ug/l	25	<5	<5	<5	<10	--
Potassium	mg/l	--	7	10	4	23	--
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<10	--
Sodium	mg/l	--	27	28	24	31	--
Strontium	mg/l	--	0.437	0.425	0.354	0.58	--
Thallium	ug/l	0.3(17)	<0.1	<0.1	<0.1	<10	--
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.1	--
Vanadium	ug/l	6	5	**9**	4	<50	--
Zinc	ug/l	30	<10	<10	10	**160**	--
Zirconium	ug/l	4(13)	<2	<2	<2	<2	--
VOCs							
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	--
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	--
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	--
1,2-Dichloroethane	ug/l	100	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW99-5 06-May-2010 S-4	SW99-5 30-Nov-2010 (26) S-15	SW99-5 11-May-2011 (4) SW-10	SW99-5 14-Nov-2011 (28) S-9	SW99-5 29-May-2012 (25) SW99-5
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	--
Methyl Ethyl Ketone	ug/l	400 (13)	<10	<10	<10	<10	--
2-Hexanone	ug/l	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--
Acetone	ug/l	--	<50	<50	<50	<50	--
Benzene	ug/l	100 (17)	<0.5	0.5	<0.5	<0.5	--
Bromodichloromethane	ug/l	200 (13)	<0.3	<0.3	<0.3	<0.3	--
Bromoform	ug/l	60 (13)	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	<0.2	<0.2	<0.2	--
Chloroethane	ug/l	--	<1.0	<1.0	<1.0	<0.2	--
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	--
Chloromethane	ug/l	700 (13)	<1.0	<1.0	<1.0	<0.2	--
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	--
m,p-Xylenes	ug/l	--	<1.0	<1.0	<1.0	<0.5	--
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4.0	<4.0	<4.0	<4.0	--
o-Xylene	ug/l	40 (17)	<0.5	<0.5	<0.5	<0.5	--
Styrene	ug/l	4 (17)	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	<0.3	<0.3	<0.3	--
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	0.5	--
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	<0.4	<0.4	<0.4	--
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	--
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	--
Vinyl Chloride	ug/l	600 (13)	<0.2	<0.2	<0.2	<0.2	--
Phenols							
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	--

Parameter	Unit	PWQO [2] [1]	SW99-5 22-Nov-2012 [25] SW99-5
General Chemistry			
Alkalinity, Carbonate as CaCO3	mg/L	-- [3]	--
Ammonia, unionized	ug/l	20	--
Ammonia Nitrogen	mg/l	--	--
Biologic Oxygen Demand, Five Day	mg/l	--	--
Bromide	mg/l	--	--
Chemical Oxygen Demand	mg/l	--	--
Chloride	mg/l	--	--
Color	color unit	--	--
Conductivity (Field)	uS/cm	--	--
Cyanide	ug/l	5 [6]	--
Dissolved Oxygen (Field)	mg/l	-- [7]	--
Fluoride	mg/l	--	--
Hardness, Calcium Carbonate	mg/l	--	--
Nitrate as N	mg/l	--	--
Nitrite as N	mg/l	--	--
Nitrogen, Nitrate-Nitrite	mg/l	--	--
Nitrogen, Organic	mg/l	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--
pH (Field)	-	8.5	--
Phosphate	mg/l	--	--
Phosphate, Ortho	mg/l	--	--
Phosphorus	ug/l	-- [8]	--
Sulfate	mg/l	--	--
Temperature (Field)	deg c	-- [9]	--
Turbidity	ntu	-- [10]	--
Metals			
Aluminum, dissolved	ug/l	-- [11]	--
Arsenic	ug/l	100	--
Barium	mg/l	--	--
Beryllium	ug/l	-- [12]	--
Boron	ug/l	200 [13]	--
Cadmium	ug/l	0.2 [13]	--
Calcium	mg/l	--	--
Chromium	ug/l	-- [14]	--
Cobalt	ug/l	0.9	--
Copper	ug/l	5	--
Hexavalent Chromium	ug/l	1 [15]	--
Iron	ug/l	300	--
Lead	ug/l	-- [16]	--
Magnesium	mg/l	--	--
Manganese	mg/l	--	--
Molybdenum	ug/l	40	--
Nickel	ug/l	25	--
Potassium	mg/l	--	--
Silver	ug/l	0.1	--
Sodium	mg/l	--	--
Strontium	mg/l	--	--
Thallium	ug/l	0.3 [17]	--
Titanium	mg/l	--	--
Vanadium	ug/l	6	--
Zinc	ug/l	30	--
Zirconium	ug/l	4 [13]	--
VOCs			
1,1,1,2-Tetrachloroethane	ug/l	20 [13]	--
1,1,1-Trichloroethane	ug/l	10 [18]	--
1,1,2,2-Tetrachloroethane	ug/l	70	--
1,1,2-Trichloroethane	ug/l	800	--
1,1-Dichloroethane	ug/l	200	--
1,1-Dichloroethylene	ug/l	40	--
1,2-Dibromoethane	ug/l	5 [13]	--
1,2-Dichlorobenzene	ug/l	2.5	--
1,2-Dichloroethane	ug/l	100	--
1,2-Dichloropropane	ug/l	0.7 [13]	--
1,3,5-Trimethylbenzene	ug/l	--	--

Parameter	Unit	[2] [1] PWQO	SW99-5 22-Nov-2012 [25] SW99-5
1,3-Dichlorobenzene	ug/l	2.5	--
1,4-Dichlorobenzene	ug/l	4	--
Methyl Ethyl Ketone	ug/l	400 [13]	--
2-Hexanone	ug/l	--	--
Methyl Isobutyl Ketone	ug/l	--	--
Acetone	ug/l	--	--
Benzene	ug/l	100 [17]	--
Bromodichloromethane	ug/l	200 [13]	--
Bromoform	ug/l	60 [13]	--
Bromomethane	ug/l	0.9 [19]	--
Carbon Tetrachloride	ug/l	--	--
Chlorobenzene	ug/l	15 [20]	--
Chloroethane	ug/l	--	--
Chloroform	ug/l	--	--
Chloromethane	ug/l	700 [13]	--
cis-1,2-Dichloroethene	ug/l	200 [21]	--
cis-1,3-Dichloropropene	ug/l	--	--
Dibromochloromethane	ug/l	40 [13]	--
Ethylbenzene	ug/l	8	--
m,p-Xylenes	ug/l	--	--
Methyl tert-Butyl Ether	ug/l	200 [13]	--
Methylene Chloride	ug/l	100 [22]	--
o-Xylene	ug/l	40 [17]	--
Styrene	ug/l	4 [17]	--
Tetrachloroethylene	ug/l	50 [23]	--
Toluene	ug/l	0.8	--
trans-1,2-Dichloroethene	ug/l	200 [21]	--
trans-1,3-Dichloropropene	ug/l	7 [13]	--
Trichloroethene	ug/l	20	--
Trichlorofluoromethane	ug/l	--	--
Vinyl Chloride	ug/l	600 [13]	--
Phenols			
Phenolics, Total Recoverable	ug/l	1 [3]	--

Parameter	Unit	(2) (1) PWQO	SW99-6 19-Apr-2002	SW99-6 16-May-2002	SW99-6 11-Jun-2002	SW99-6 22-Oct-2002	SW99-6 12-Nov-2002	SW99-6 12-Nov-2002
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	167	135	197	173	181	227
Ammonia, unionized	ug/l	20	6.63	1.68	1.79	0.23	2.2	0.4
Ammonia Nitrogen	mg/l	--	0.29	0.23	0.33	0.16	0.24	0.03
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	8	<1	<1	<1
Bromide	mg/l	--	<0.05	--	--	<0.05	<0.05	<0.05
Chemical Oxygen Demand	mg/l	--	22	21	52	33	28	22
Chloride	mg/l	--	4	2	6	10	9	10
Color	color unit	--	43	43	85	39	42	33
Conductivity (Field)	uS/cm	--	270	320	440	820	620	510
Cyanide	ug/l	5(6)	<5	--	--	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	9.73	8.72	5.71	2.99	3.77	3.28
Fluoride	mg/l	--	0.58	--	--	0.18	0.41	<0.1
Hardness, Calcium Carbonate	mg/l	--	170	138	212	246	224	258
Nitrate as N	mg/l	--	0.13	--	--	0.81	0.4	0.42
Nitrite as N	mg/l	--	<0.1	--	--	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	0.45	0.52	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.74	0.75	2.25	0.89	0.95	0.78
pH (Field)	-	8.5	8.1	7.7	7.3	7.1	7.8	8
Phosphate	mg/l	--	<0.03	--	--	0.07	0.09	0.12
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	20	--	--	20	**40**	**40**
Sulfate	mg/l	--	19	--	--	73	49	39
Temperature (Field)	deg c	--(9)	10	7	15	4	7	6
Total Suspended Solids	mg/l	--	--	--	--	--	--	--
Turbidity	ntu	--(10)	5.9	1.8	6.7	1.3	3.9	4
Metals								
Aluminum, dissolved	ug/l	--(11)	<50	--	--	40	40	10
Arsenic	ug/l	100	<1	--	--	<1	<1	<1
Barium	mg/l	--	0.02	--	--	0.04	0.03	0.17
Beryllium	ug/l	--(12)	<2	--	--	<1	<1	<1
Boron	ug/l	200(13)	<50	110	<50	<50	<50	<50
Cadmium	ug/l	0.2(13)	0.2	--	--	<0.1	<0.1	<0.1
Calcium	mg/l	--	50	42	65	72	65	77
Chromium	ug/l	--(14)	<1	--	--	1	<5	<5
Cobalt	ug/l	0.9	0.6	--	--	0.6	0.8	0.3
Copper	ug/l	5	1	--	--	3	2	4
Hexavalent Chromium	ug/l	1(15)	<50	--	--	<50	<50	<50
Iron	ug/l	300	**1340**	--	--	**690**	**810**	160
Lead	ug/l	--(16)	<1	--	--	<1	<1	<1
Magnesium	mg/l	--	11	8	12	16	15	16
Manganese	mg/l	--	0.32	--	--	0.204	0.294	0.006
Molybdenum	ug/l	40	<10	--	--	<5	<5	<5
Nickel	ug/l	25	<10	--	--	<5	<5	<5
Potassium	mg/l	--	1	1	8	2	2	4
Silver	ug/l	0.1	<0.1	--	--	<0.1	<0.1	<0.1
Sodium	mg/l	--	5	<2	3	5	6	6
Strontium	mg/l	--	0.094	0.082	0.13	0.143	0.12	0.14
Thallium	ug/l	0.3(17)	<1	--	--	<1	<1	<1
Titanium	mg/l	--	<0.01	--	--	<0.01	<0.01	<0.01
Vanadium	ug/l	6	<1	--	--	<1	1	1
Zinc	ug/l	30	<10	--	--	<5	<5	6
Zirconium	ug/l	4(13)	<1	--	--	2	1	1
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.6	--	--	--	<0.6	<0.6
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	--	--	--	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	--	--	--	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	--	--	--	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW99-6 19-Apr-2002	SW99-6 16-May-2002	SW99-6 11-Jun-2002	SW99-6 22-Oct-2002	SW99-6 12-Nov-2002	SW99-6 12-Nov-2002
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	--	--	--	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 (13)	<20	--	--	--	<20	<20
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<100	--	--	--	<100	<100
Benzene	ug/l	100 (17)	<0.5	--	--	--	<0.5	<0.5
Bromodichloromethane	ug/l	200 (13)	<0.3	--	--	--	<0.3	<0.3
Bromoform	ug/l	60 (13)	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	<0.2	--	--	--	<0.2	<0.2
Chloroethane	ug/l	--	<1	--	--	--	<1	<1
Chloroform	ug/l	--	<0.5	--	--	--	<0.5	<0.5
Chloromethane	ug/l	700 (13)	<1	--	--	--	<1	<1
cis-1,2-Dichloroethene	ug/l	200 (21)	<0.4	--	--	--	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	--	--	--	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	--	--	--	<1	<1
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	<4	--	--	--	<4	<4
o-Xylene	ug/l	40 (17)	<0.5	--	--	--	<0.5	<0.5
Styrene	ug/l	4 (17)	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	<0.3	--	--	--	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	--	--	--	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 (21)	<0.4	--	--	--	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	--	--	--	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	--	--	--	<0.5	<0.5
Vinyl Chloride	ug/l	600 (13)	<0.5	--	--	--	<0.5	<0.5
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	--	--	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW99-6 10-Dec-2002	SW99-6 10-Dec-2002	SW99-6 03-May-2003	SW99-6 03-May-2003	SW99-6 03-Jun-2003	SW99-6 03-Jun-2003
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	202	202	177	196	194	215
Ammonia, unionized	ug/l	20	1.28	0.16	0.57	0.33	0.38	0.07
Ammonia Nitrogen	mg/l	--	0.21	0.03	0.18	0.13	0.12	<0.02
Biologic Oxygen Demand, Five Day	mg/l	--	--	--	<1	<1	<1	<1
Bromide	mg/l	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chemical Oxygen Demand	mg/l	--	--	--	14	18	16	16
Chloride	mg/l	--	8	8	5	5	5	5
Color	color unit	--	27	20	35	26	36	31
Conductivity (Field)	uS/cm	--	630	460	280	280	710	900
Cyanide	ug/l	5(6)	--	--	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	3.11	2.98	--	--	--	--
Fluoride	mg/l	--	0.14	0.14	0.14	0.13	0.24	0.22
Hardness, Calcium Carbonate	mg/l	--	175	226	204	228	184	208
Nitrate as N	mg/l	--	0.24	0.44	0.14	0.19	0.19	0.36
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--	--	0.69	0.56	0.73	0.52
pH (Field)	-	8.5	7.8	7.7	7.2	7.2	7.2	7.3
Phosphate	mg/l	--	0.07	0.06	0.11	0.09	0.07	<0.03
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	**50**	**40**	**40**	30	30	<10
Sulfate	mg/l	--	26	27	17	17	12	13
Temperature (Field)	deg c	--(9)	2	3	8	8	11	10
Total Suspended Solids	mg/l	--	--	--	--	--	3	<2
Turbidity	ntu	--(10)	4.7	1	4.1	1.7	7.5	0.4
Metals								
Aluminum, dissolved	ug/l	--(11)	30	<10	30	10	30	20
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.03	0.06	0.03	0.06	0.03	0.03
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	<50	<50	<50	<50	<50	<50
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	47	64	62	70	54	62
Chromium	ug/l	--(14)	7	6	6	6	<1	<1
Cobalt	ug/l	0.9	**1**	0.3	0.9	0.2	0.9	<0.2
Copper	ug/l	5	1	2	2	3	1	2
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	**960**	30	**1340**	130	**1400**	70
Lead	ug/l	--(16)	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	14	16	12	13	12	13
Manganese	mg/l	--	0.463	0.171	0.359	0.024	0.388	<0.005
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	2	1	2	3	2	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	22	3	4	3	4	3
Strontium	mg/l	--	0.124	0.142	0.114	0.125	0.114	0.124
Thallium	ug/l	0.3(17)	<1	<1	<1	<1	<1	<1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	3	2	2	2	<1	<1
Zinc	ug/l	30	<5	<5	<5	<5	<5	<5
Zirconium	ug/l	4(13)	<1	<1	**7**	**7**	<10	<10
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	<0.6	<0.6	--	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	--	<0.4	<0.4	--	--
1,1-Dichloroethylene	ug/l	40	--	--	<0.5	<0.5	--	--
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	<0.4	<0.4	--	--
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--

Parameter	Unit	(2) (1) PWQO	SW99-6 10-Dec-2002	SW99-6 10-Dec-2002	SW99-6 03-May-2003	SW99-6 03-May-2003	SW99-6 03-Jun-2003	SW99-6 03-Jun-2003
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	--	<0.4	<0.4	--	--
Methyl Ethyl Ketone	ug/l	400 (13)	--	--	<20	<20	--	--
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	--	--	<100	<100	--	--
Benzene	ug/l	100 (17)	--	--	<0.5	<0.5	--	--
Bromodichloromethane	ug/l	200 (13)	--	--	<0.3	<0.3	--	--
Bromoform	ug/l	60 (13)	--	--	--	--	--	--
Bromomethane	ug/l	0.9 (19)	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 (20)	--	--	<0.2	<0.2	--	--
Chloroethane	ug/l	--	--	--	<1	<1	--	--
Chloroform	ug/l	--	--	--	<0.5	<0.5	--	--
Chloromethane	ug/l	700 (13)	--	--	<1	<1	--	--
cis-1,2-Dichloroethene	ug/l	200 (21)	--	--	<0.4	<0.4	--	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 (13)	--	--	--	--	--	--
Ethylbenzene	ug/l	8	--	--	<0.5	<0.5	--	--
m,p-Xylenes	ug/l	--	--	--	<1	<1	--	--
Methyl tert-Butyl Ether	ug/l	200 (13)	--	--	--	--	--	--
Methylene Chloride	ug/l	100 (22)	--	--	<4	<4	--	--
o-Xylene	ug/l	40 (17)	--	--	<0.5	<0.5	--	--
Styrene	ug/l	4 (17)	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 (23)	--	--	<0.3	<0.3	--	--
Toluene	ug/l	0.8	--	--	<0.5	<0.5	--	--
trans-1,2-Dichloroethene	ug/l	200 (21)	--	--	<0.4	<0.4	--	--
trans-1,3-Dichloropropene	ug/l	7 (13)	--	--	--	--	--	--
Trichloroethene	ug/l	20	--	--	<0.3	<0.3	--	--
Trichlorofluoromethane	ug/l	--	--	--	<0.5	<0.5	--	--
Vinyl Chloride	ug/l	600 (13)	--	--	<0.5	<0.5	--	--
Phenols								
Phenolics, Total Recoverable	ug/l	1 (3)	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW99-6 24-Nov-2003	SW99-6 07-Apr-2004	SW99-6 28-Nov-2004	SW99-6 18-Apr-2005	SW99-6 06-Dec-2005	SW99-6 31-May-2006
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	178	163	153	201	201	221
Ammonia, unionized	ug/l	20	0.07	0.2	0.09	0.87	0.57	0.87
Ammonia Nitrogen	mg/l	--	0.19	0.15	0.13	0.35	0.34	0.22
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<0.5	0.9	<1	<1	<1
Bromide	mg/l	--	<0.05	<0.5	<0.5	<0.05	<0.05	<0.05
Chemical Oxygen Demand	mg/l	--	30	21	29	15	13	16
Chloride	mg/l	--	7	6.1	4	5	4	2
Color	color unit	--	30	42	88	17	29	47
Conductivity (Field)	uS/cm	--	610	340	610	440	485	480
Cyanide	ug/l	5(6)	<5	<1	<1	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--(7)	3.61	5.68	7.48	9.11	8.72	10.99
Fluoride	mg/l	--	0.9	0.1	0.1	0.16	0.14	<0.1
Hardness, Calcium Carbonate	mg/l	--	201	171.1	165.6	232	203	217
Nitrate as N	mg/l	--	0.12	<0.2	<0.2	0.13	<0.1	<0.1
Nitrite as N	mg/l	--	<0.1	<0.2	<0.2	<0.1	<0.1	<0.1
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.77	0.54	0.6	0.65	0.66	0.62
pH (Field)	-	8.5	6.5	7.1	6.8	7.3	7.2	7.4
Phosphate	mg/l	--	0.08	<1	<1	0.1	0.11	0.12
Phosphate, Ortho	mg/l	--	--	--	--	--	--	--
Phosphorus	ug/l	--(8)	**40**	12	15	**50**	**60**	**40**
Sulfate	mg/l	--	38	18.7	16.9	13	12	8
Temperature (Field)	deg c	--(9)	4	3	3	5	3	8
Total Suspended Solids	mg/l	--	--	--	--	--	--	--
Turbidity	ntu	--(10)	5.9	1.3	2.7	3.9	6.1	4.1
Metals								
Aluminum, dissolved	ug/l	--(11)	40	37	40	10	20	30
Arsenic	ug/l	100	<1	<2	<2	<1	<1	<1
Barium	mg/l	--	0.03	0.019	0.022	0.02	0.02	0.03
Beryllium	ug/l	--(12)	<1	<1	<1	<1	<1	<1
Boron	ug/l	200(13)	20	11	6	20	10	30
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	59	50.3	48.3	68	60	67
Chromium	ug/l	--(14)	1	<5	<5	<1	1	<1
Cobalt	ug/l	0.9	0.8	0.3	0.4	0.6	**1.1**	0.6
Copper	ug/l	5	2	2	2.3	<1	<1	1
Hexavalent Chromium	ug/l	1(15)	<50	--	--	<50	<50	<50
Iron	ug/l	300	**1130**	**650**	**910**	**880**	**1330**	**960**
Lead	ug/l	--(16)	<1	<0.5	<0.5	<1	<1	<1
Magnesium	mg/l	--	13	11	10.9	15	13	12
Manganese	mg/l	--	0.36	0.195	0.233	0.46	0.99	0.44
Molybdenum	ug/l	40	<5	<1	<1	<5	<5	<5
Nickel	ug/l	25	<5	<1	<1	<5	<5	<5
Potassium	mg/l	--	2	1.9	1.6	2	2	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	5	3	2.5	4	3	3
Strontium	mg/l	--	0.118	0.094	0.089	0.12	0.112	0.133
Thallium	ug/l	0.3(17)	<1	<0.05	<0.05	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.005	<0.005	<0.01	<0.01	<0.01
Vanadium	ug/l	6	<1	<0.5	<0.5	1	1	<1
Zinc	ug/l	30	<10	<5	<5	<10	<10	<10
Zirconium	ug/l	4(13)	<10	<1	<1	<10	1	<5
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	<0.1	<0.1	<0.6	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	<0.1	<0.1	<0.4	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	--	<0.2	<0.2	<0.6	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	<0.2	<0.2	<0.4	--	--
1,1-Dichloroethane	ug/l	200	--	<0.1	<0.1	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	--	<0.1	<0.1	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5(13)	--	<0.2	<0.2	<1	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	<0.1	<0.1	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	<0.1	<0.1	<0.5	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	<0.1	<0.1	<0.7	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	<0.3	--	--

Parameter	Unit	[2] [1] PWQO	SW99-6 24-Nov-2003	SW99-6 07-Apr-2004	SW99-6 28-Nov-2004	SW99-6 18-Apr-2005	SW99-6 06-Dec-2005	SW99-6 31-May-2006
1,3-Dichlorobenzene	ug/l	2.5	--	<0.1	<0.1	<0.4	--	--
1,4-Dichlorobenzene	ug/l	4	--	<0.1	<0.1	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	--	<5	<5	--	<20	<20
2-Hexanone	ug/l	--	--	<5	<5	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	<5	<5	--	--	--
Acetone	ug/l	--	--	<10	<10	--	<100	<100
Benzene	ug/l	100 [17]	--	<0.1	<0.1	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	--	<0.1	<0.1	<0.3	<0.3	<0.3
Bromoform	ug/l	60 [13]	--	<0.2	<0.2	<0.4	--	--
Bromomethane	ug/l	0.9 [19]	--	<0.5	<0.5	<0.5	--	--
Carbon Tetrachloride	ug/l	--	--	<0.1	<0.1	<0.5	--	--
Chlorobenzene	ug/l	15 [20]	--	<0.1	<0.1	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	--	<0.2	<0.2	<1	<1	<1
Chloroform	ug/l	--	--	<0.1	<0.1	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	--	<0.5	<0.5	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	200 [21]	--	<0.1	<0.1	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	<0.2	<0.2	<0.2	--	--
Dibromochloromethane	ug/l	40 [13]	--	<0.2	<0.2	<0.3	--	--
Ethylbenzene	ug/l	8	--	<0.1	<0.1	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	--	<0.1	<0.1	<1	<1	<1
Methyl tert-Butyl Ether	ug/l	200 [13]	--	<0.2	<0.2	--	--	--
Methylene Chloride	ug/l	100 [22]	--	<0.5	<0.5	<4	<4	<4
o-Xylene	ug/l	40 [17]	--	<0.1	<0.1	<0.5	<0.5	<0.5
Styrene	ug/l	4 [17]	--	<0.1	<0.1	<0.5	--	--
Tetrachloroethylene	ug/l	50 [23]	--	<0.1	<0.1	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	--	<0.2	<0.2	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [21]	--	<0.1	<0.1	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 [13]	--	<0.2	<0.2	<0.2	--	--
Trichloroethene	ug/l	20	--	<0.1	<0.1	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	--	<0.2	<0.2	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	--	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [3]	<1	<1	<1	<1	<1	<1

Parameter	Unit	PWQO [2] [1]	SW99-6 01-Dec-2006	SW99-6 07-May-2007	SW99-6 29-Nov-2007	SW99-6 03-Jun-2008	SW99-6 30-Nov-2008	SW99-6 03-Jun-2009 S-5
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	-- [3]	151	188	136	192	131	226
Ammonia, unionized	ug/l	20	0.3	0.34	0.07	1	0.17	<20
Ammonia Nitrogen	mg/l	--	0.13	0.15	0.04	0.11	0.08	0.11
Biologic Oxygen Demand, Five Day	mg/l	--	<1	<1	1	<1	1	2
Bromide	mg/l	--	<0.05	<0.05	<0.25	<0.25	<0.25	<0.25
Chemical Oxygen Demand	mg/l	--	19	9	23	14	23	13
Chloride	mg/l	--	3	4	6	4	3	3
Color	color unit	--	43	20	50	36	45	26
Conductivity (Field)	uS/cm	--	520	670	690	350	450	408
Cyanide	ug/l	5 [6]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [7]	11.02	10	9.44	8.6	11.12	6.93
Fluoride	mg/l	--	0.1	0.11	0.1	0.1	<0.1	0.10
Hardness, Calcium Carbonate	mg/l	--	151	182	142	202	151	227
Nitrate as N	mg/l	--	<0.1	0.36	0.11	0.3	<0.1	0.32
Nitrite as N	mg/l	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.44	0.54	0.64	0.44	0.32	0.47
pH (Field)	-	8.5	7.3	7.3	7.2	7.6	7.3	7.47
Phosphate	mg/l	--	0.05	0.08	0.11	<0.03	0.04	--
Phosphate, Ortho	mg/l	--	--	--	--	--	--	<0.03
Phosphorus	ug/l	-- [8]	20	**90**	**70**	<10	20	20
Sulfate	mg/l	--	12	8	16	7	11	7
Temperature (Field)	deg c	-- [9]	4	4	3	13	3	14.7
Total Suspended Solids	mg/l	--	--	--	--	--	--	--
Turbidity	ntu	-- [10]	2.5	5	2.8	3.3	2.6	4.7
Metals								
Aluminum, dissolved	ug/l	-- [11]	20	10	30	30	50	10
Arsenic	ug/l	100	<1	<1	<1	<1	<1	<1
Barium	mg/l	--	0.02	0.02	0.01	0.02	0.01	0.02
Beryllium	ug/l	-- [12]	<1	<1	<1	<1	<1	<1
Boron	ug/l	200 [13]	20	20	<10	20	10	20
Cadmium	ug/l	0.2 [13]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/l	--	44	53	42	61	44	68
Chromium	ug/l	-- [14]	<1	2	<1	1	1	1
Cobalt	ug/l	0.9	0.6	0.3	0.3	0.4	0.3	0.4
Copper	ug/l	5	1	<1	2	2	2	<1
Hexavalent Chromium	ug/l	1 [15]	<50	<50	<50	<50	<50	<50
Iron	ug/l	300	**880**	**1200**	**320**	**740**	**440**	**760**
Lead	ug/l	-- [16]	<1	<1	<1	<1	<1	<1
Magnesium	mg/l	--	10	12	9	12	10	14
Manganese	mg/l	--	0.37	0.19	0.09	0.16	0.14	0.37
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	mg/l	--	1	2	2	2	1	2
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	mg/l	--	<2	4	<2	4	<2	2
Strontium	mg/l	--	0.082	0.1	0.081	0.117	0.067	0.147
Thallium	ug/l	0.3 [17]	<0.1	0.3	<0.1	<0.1	<0.1	<0.1
Titanium	mg/l	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	ug/l	6	<1	1	<1	2	3	2
Zinc	ug/l	30	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4 [13]	<5	<1	<1	<10	<1	<2
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20 [13]	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10 [18]	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	ug/l	5 [13]	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7 [13]	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW99-6 01-Dec-2006	SW99-6 07-May-2007	SW99-6 29-Nov-2007	SW99-6 03-Jun-2008	SW99-6 30-Nov-2008	SW99-6 03-Jun-2009 S-5
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<20	<20	<20	<20	<20	<10
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<100	<100	<100	<100	<100	<50
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform	ug/l	60 [13]	--	--	--	--	--	--
Bromomethane	ug/l	0.9 [19]	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 [20]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<1	<1	<1	<1	<1	<1.0
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<1	<1	<1	<1	<1	<1.0
cis-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 [13]	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<1	<1	<1	<1	<1	<1.0
Methyl tert-Butyl Ether	ug/l	200 [13]	--	--	--	--	--	--
Methylene Chloride	ug/l	100 [22]	<4	<4	<4	<4	<4	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	4 [17]	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 [23]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
trans-1,3-Dichloropropene	ug/l	7 [13]	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [3]	<1	<1	<1	<1	<1	<1

Parameter	Unit	(2) (1) PWQO	SW99-6 25-Nov-2009 99-6	SW99-6 06-May-2010 S-11	SW99-6 30-Nov-2010 S-5	SW99-6 11-May-2011 (4) SW-11	SW99-6 14-Nov-2011 S-10	SW99-6 29-May-2012 (25) SW99-6
General Chemistry								
Alkalinity, Carbonate as CaCO3	mg/L	--(3)	228	203	235	178	272	--
Ammonia, unionized	ug/l	20	<20	**590**	<20	<20	<20	--
Ammonia Nitrogen	mg/l	--	0.26	0.14	0.24	0.24	0.03	--
Biologic Oxygen Demand, Five Day	mg/l	--	1	<1	1	2	3	--
Bromide	mg/l	--	<0.25	<0.25	<0.25	<0.25	<0.25	--
Chemical Oxygen Demand	mg/l	--	30	30	20	30	25	--
Chloride	mg/l	--	7	3	4	4	6	--
Color	color unit	--	38	45	30	42	25	--
Conductivity (Field)	uS/cm	--	233	404	355	349	515	--
Cyanide	ug/l	5(6)	<5	<5	<5	<2	<10	--
Dissolved Oxygen (Field)	mg/l	--(7)	5.37	0.95	7.05	6.96	8.92	--
Fluoride	mg/l	--	0.10	0.11	0.10	0.12	0.10	--
Hardness, Calcium Carbonate	mg/l	--	211	204	253	178	276	--
Nitrate as N	mg/l	--	0.15	<0.10	<0.10	0.12	0.54	--
Nitrite as N	mg/l	--	<0.10	<0.10	<0.10	<0.10	<0.10	--
Nitrogen, Organic	mg/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	mg/l	--	0.64	0.48	0.38	0.95	0.61	--
pH (Field)	-	8.5	4.49	7.33	--	7.77	7.62	--
Phosphate	mg/l	--	--	--	--	--	--	--
Phosphate, Ortho	mg/l	--	0.05	<0.03	<0.03	<0.03	<0.03	--
Phosphorus	ug/l	--(8)	**50**	30	**40**	**80**	**50**	--
Sulfate	mg/l	--	11	8	8	7	6	--
Temperature (Field)	deg c	--(9)	8	10.9	6.6	11.7	11.6	--
Total Suspended Solids	mg/l	--	--	--	--	--	--	--
Turbidity	ntu	--(10)	9.1	3.0	18.6	6.2	10.2	--
Metals								
Aluminum, dissolved	ug/l	--(11)	20	40	20	20	10	--
Arsenic	ug/l	100	<1	<1	<1	<1	<1	--
Barium	mg/l	--	0.03	0.02	0.03	0.03	0.03	--
Beryllium	ug/l	--(12)	<1	<1	<1	<0.5	<0.5	--
Boron	ug/l	200(13)	30	20	20	10	20	--
Cadmium	ug/l	0.2(13)	<0.1	<0.1	<0.1	<0.1	<0.1	--
Calcium	mg/l	--	63	62	75	53	81	--
Chromium	ug/l	--(14)	4	<1	3	2	3	--
Cobalt	ug/l	0.9	**1.3**	0.5	**1.0**	0.8	0.4	--
Copper	ug/l	5	1	2	1	4	1	--
Hexavalent Chromium	ug/l	1(15)	<50	<50	<50	<50	<50	--
Iron	ug/l	300	**1770**	**770**	**3330**	**7960**	**2730**	--
Lead	ug/l	--(16)	<1	<1	<1	<1	<1	--
Magnesium	mg/l	--	13	12	16	11	18	--
Manganese	mg/l	--	0.94	0.32	1.07	0.57	0.38	--
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	--
Nickel	ug/l	25	<5	<5	<5	<5	<5	--
Potassium	mg/l	--	2	2	2	1	2	--
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
Sodium	mg/l	--	3	2	<2	<2	4	--
Strontium	mg/l	--	0.147	0.123	0.129	0.104	0.181	--
Thallium	ug/l	0.3(17)	<0.1	<0.1	<0.1	<0.1	<0.1	--
Titanium	mg/l	--	0.01	<0.01	<0.01	<0.01	<0.01	--
Vanadium	ug/l	6	2	<1	4	4	3	--
Zinc	ug/l	30	<10	<10	<10	10	<10	--
Zirconium	ug/l	4(13)	<2	<2	<2	<2	<2	--
VOCs								
1,1,1,2-Tetrachloroethane	ug/l	20(13)	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/l	10(18)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	--
1,1,2-Trichloroethane	ug/l	800	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	--
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	--
1,2-Dibromoethane	ug/l	5(13)	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	--
1,2-Dichloroethane	ug/l	100	--	--	--	--	--	--
1,2-Dichloropropane	ug/l	0.7(13)	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/l	--	--	--	--	--	--	--

Parameter	Unit	[2] [1] PWQO	SW99-6 25-Nov-2009 99-6	SW99-6 06-May-2010 S-11	SW99-6 30-Nov-2010 S-5	SW99-6 11-May-2011 [4] SW-11	SW99-6 14-Nov-2011 S-10	SW99-6 29-May-2012 [25] SW99-6
1,3-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	--
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	--
2-Hexanone	ug/l	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/l	--	--	--	--	--	--	--
Acetone	ug/l	--	<50	<50	<50	<50	<50	--
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	--
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	--
Bromoform	ug/l	60 [13]	--	--	--	--	--	--
Bromomethane	ug/l	0.9 [19]	--	--	--	--	--	--
Carbon Tetrachloride	ug/l	--	--	--	--	--	--	--
Chlorobenzene	ug/l	15 [20]	<0.2	<0.2	<0.2	<0.2	<0.2	--
Chloroethane	ug/l	--	<1.0	<1.0	<1.0	<1.0	<0.2	--
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
Chloromethane	ug/l	700 [13]	<1.0	<1.0	<1.0	<1.0	<0.2	--
cis-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	<0.4	<0.4	<0.4	--
cis-1,3-Dichloropropene	ug/l	--	--	--	--	--	--	--
Dibromochloromethane	ug/l	40 [13]	--	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	--
m,p-Xylenes	ug/l	--	<1.0	<1.0	<1.0	<1.0	<0.5	--
Methyl tert-Butyl Ether	ug/l	200 [13]	--	--	--	--	--	--
Methylene Chloride	ug/l	100 [22]	<4.0	<4.0	<4.0	<4.0	<4.0	--
o-Xylene	ug/l	40 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	--
Styrene	ug/l	4 [17]	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 [23]	<0.3	<0.3	<0.3	<0.3	<0.3	--
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	--
trans-1,2-Dichloroethene	ug/l	200 [21]	<0.4	<0.4	<0.4	<0.4	<0.4	--
trans-1,3-Dichloropropene	ug/l	7 [13]	--	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	--
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	--
Phenols								
Phenolics, Total Recoverable	ug/l	1 [3]	<1	<1	<1	<1	<1	--

Parameter	Unit	PWQO [2] [1]	SW99-6 22-Nov-2012 [25] SW99-6
General Chemistry			
Alkalinity, Carbonate as CaCO3	mg/L	-- [3]	--
Ammonia, unionized	ug/l	20	--
Ammonia Nitrogen	mg/l	--	--
Biologic Oxygen Demand, Five Day	mg/l	--	--
Bromide	mg/l	--	--
Chemical Oxygen Demand	mg/l	--	--
Chloride	mg/l	--	--
Color	color unit	--	--
Conductivity (Field)	uS/cm	--	--
Cyanide	ug/l	5 [6]	--
Dissolved Oxygen (Field)	mg/l	-- [7]	--
Fluoride	mg/l	--	--
Hardness, Calcium Carbonate	mg/l	--	--
Nitrate as N	mg/l	--	--
Nitrite as N	mg/l	--	--
Nitrogen, Organic	mg/l	--	--
Nitrogen, Total Kjeldahl	mg/l	--	--
pH (Field)	-	8.5	--
Phosphate	mg/l	--	--
Phosphate, Ortho	mg/l	--	--
Phosphorus	ug/l	-- [8]	--
Sulfate	mg/l	--	--
Temperature (Field)	deg c	-- [9]	--
Total Suspended Solids	mg/l	--	--
Turbidity	ntu	-- [10]	--
Metals			
Aluminum, dissolved	ug/l	-- [11]	--
Arsenic	ug/l	100	--
Barium	mg/l	--	--
Beryllium	ug/l	-- [12]	--
Boron	ug/l	200 [13]	--
Cadmium	ug/l	0.2 [13]	--
Calcium	mg/l	--	--
Chromium	ug/l	-- [14]	--
Cobalt	ug/l	0.9	--
Copper	ug/l	5	--
Hexavalent Chromium	ug/l	1 [15]	--
Iron	ug/l	300	--
Lead	ug/l	-- [16]	--
Magnesium	mg/l	--	--
Manganese	mg/l	--	--
Molybdenum	ug/l	40	--
Nickel	ug/l	25	--
Potassium	mg/l	--	--
Silver	ug/l	0.1	--
Sodium	mg/l	--	--
Strontium	mg/l	--	--
Thallium	ug/l	0.3 [17]	--
Titanium	mg/l	--	--
Vanadium	ug/l	6	--
Zinc	ug/l	30	--
Zirconium	ug/l	4 [13]	--
VOCs			
1,1,1,2-Tetrachloroethane	ug/l	20 [13]	--
1,1,1-Trichloroethane	ug/l	10 [18]	--
1,1,2,2-Tetrachloroethane	ug/l	70	--
1,1,2-Trichloroethane	ug/l	800	--
1,1-Dichloroethane	ug/l	200	--
1,1-Dichloroethylene	ug/l	40	--
1,2-Dibromoethane	ug/l	5 [13]	--
1,2-Dichlorobenzene	ug/l	2.5	--
1,2-Dichloroethane	ug/l	100	--
1,2-Dichloropropane	ug/l	0.7 [13]	--
1,3,5-Trimethylbenzene	ug/l	--	--

Parameter	Unit	(2) (1) PWQO	SW99-6 22-Nov-2012 (25) SW99-6
1,3-Dichlorobenzene	ug/l	2.5	--
1,4-Dichlorobenzene	ug/l	4	--
Methyl Ethyl Ketone	ug/l	400 (13)	--
2-Hexanone	ug/l	--	--
Methyl Isobutyl Ketone	ug/l	--	--
Acetone	ug/l	--	--
Benzene	ug/l	100 (17)	--
Bromodichloromethane	ug/l	200 (13)	--
Bromoform	ug/l	60 (13)	--
Bromomethane	ug/l	0.9 (19)	--
Carbon Tetrachloride	ug/l	--	--
Chlorobenzene	ug/l	15 (20)	--
Chloroethane	ug/l	--	--
Chloroform	ug/l	--	--
Chloromethane	ug/l	700 (13)	--
cis-1,2-Dichloroethene	ug/l	200 (21)	--
cis-1,3-Dichloropropene	ug/l	--	--
Dibromochloromethane	ug/l	40 (13)	--
Ethylbenzene	ug/l	8	--
m,p-Xylenes	ug/l	--	--
Methyl tert-Butyl Ether	ug/l	200 (13)	--
Methylene Chloride	ug/l	100 (22)	--
o-Xylene	ug/l	40 (17)	--
Styrene	ug/l	4 (17)	--
Tetrachloroethylene	ug/l	50 (23)	--
Toluene	ug/l	0.8	--
trans-1,2-Dichloroethene	ug/l	200 (21)	--
trans-1,3-Dichloropropene	ug/l	7 (13)	--
Trichloroethene	ug/l	20	--
Trichlorofluoromethane	ug/l	--	--
Vinyl Chloride	ug/l	600 (13)	--
Phenols			
Phenolics, Total Recoverable	ug/l	1 (3)	--

Footnotes:
Tables should be read in conjunction with the accompanying document.
< value = Indicates parameter not detected above laboratory method detection limit.
> value = Indicates parameter detected above equipment analytical range.
-- Chemical not analyzed or criteria not defined.
Grey background indicates exceedances.
(1) Provincial Water Quality Objectives
(2) Bold Font = Parameter concentration greater than PWQO
(3) Alkalinity should not be decreased by more than 25% of the natural concentration.
(4) Cyanide was analysed at Paracel Laboratories Ltd.
(5) Sample was subcontracted for Free CN analysis.
(6) PWQO is for free cyanide in an unfiltered water sample.
(7) Objective depends on water temperature and biota. Dissolved oxygen concentrations should not be less than the values specified in the PWQO document for cold water biota (e.g. salmonid fish communities) and warm water biota (e.g. centrarchid fish communities).
(8) Current scientific evidence is insufficient to develop a firm Objective at this time. Accordingly, the following phosphorus concentrations should be considered as general guidelines which should be supplemented by site-specific studies: To avoid nuisance concentrations of algae in lakes, average total phosphorus concentrations for the ice-free period should not exceed 20 ug/L; A high level of protection against aesthetic deterioration will be provided by a total phosphorus concentration for the ice-free period of 10 ug/L or less. This should apply to all lakes naturally below this value; Excessive plant growth in rivers and streams should be eliminated at a total phosphorus concentration below 30 ug/L.
(9) The natural thermal regime of any body of water shall not be altered so as to impair the quality of the natural environment. In particular, the diversity, distribution and abundance of plant and animal life shall not be significantly changed.
(10) Suspended matter should not be added to surface water in concentrations that will change the natural Secchi disc reading by more than 10 percent.
(11) At pH 4.5 to 5.5 the Interim PWQO is 15 µg/L based on inorganic monomeric aluminum measure in clay-free samples; At pH > 5.5 to 6.5, no condition should be permitted which would increase the acid soluble inorganic aluminum concentration in clay-free samples to more than 10% above natural background concentrations for waters representative of that geological area of the Province that are unaffected by man-made inputs. At pH > 6.5 to 9.0, the Interim PWQO is 75 µg/L based on total aluminum measured in clay-free samples. If natural background aluminum concentrations in water bodies unaffected by man-made inputs are greater than the numerical Interim PWQO (above), no condition is permitted that would increase the aluminum concentration in clay-free samples by more than 10% of the natural background level. Note: pH values of < 6.5 and > 8.5 are outside the range considered acceptable by the PWQO for pH. See the Scientific Criteria Document for Development of Provincial Water Quality Objectives and Guidelines - Aluminum
(12) If hardness as CaCO3 < 75 mg/L, PWQO = 11 µg/L; if hardness as CaCO3 > 75 mg/L, PWQO = 1100 µg/L.
(13) See Section 1.2.3. of PWQO. This Interim PWQO was set for emergency purposes based on the best information readily available. Employ due caution when applying this value.
(14) PWQO values exist for Cr(III) and Cr(VI)
(15) Adopted Canadian Water Quality Guidelines.
(16) If Alkalinity as CaCO3 < 20 mg/L, PWQO = 5 µg/L; if alkalinity as CaCO3 from 20 to 40 mg/L, PWQO = 10 µg/L; if alkalinity as CaCO3 from 40 to 80 mg/L, PWQO = 20 µg/L; if alkalinity as CaCO3 > 80 mg/L, PWQO = 25 ug/L.
(17) See Section 1.2.2. of PWQO. This Interim PWQO is currently under development. The value is subject to change upon publication by MOEE.
(18) See Section 1.2.3. This Interim PWQO was set for emergency purposes based on the best information readily available. Employ due caution when applying this value.
(19) synonym - methyl bromide. See Section 1.2.3. This Interim PWQO was set for emergency purposes based on the best information readily available. Employ due caution when applying this value.
(20) Common synonym - monochlorobenzene.
(21) Interim PWQO applies to both the cis & trans 1,2-dichloroethylene.
(22) Common synonym - dichloromethane. See Section 1.2.3. of PWQO. This Interim PWQO was set for emergency purposes based on the best information readily available. Employ due caution when applying this value.
(23) Synonym-perchloroethylene or perc.
(24) Holding time for Cr(VI) analysis was exceeded for the entire report. Samples were subcontracted for cyanide (free) analysis for the entire report.
(25) Monitoring location was dry during this sampling event. No sample was collected.
(26) Sample was filtered prior to Hexavalent Chromium analysis.
(27) Sample was subcontracted for Free CN analysis. Cadmium MRL elevated due to matrix interference (dilution was done).
(28) Metals analysis performed on aqua-regia digest of sample material due to solids present in sample. MRLs may be elevated.
(29) Metals analysis performed on aqua-regia digest of sample material except for Boron and Titanium.

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Parameter	Unit	PWQO [1]	BD-03-M2 12-Jun-2013 W - 4	BD-03-M2 19-Nov-2013 [2] W - 3	BD-03-M2 26-May-2014 BD 03-M2	BD-03-M2 27-Nov-2014 BD-03-M2	BD-03-M2 27-May-2015 [3] W-7	BD-03-M2 20-Nov-2015 S-3
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--[4]	166	229	248	233	244	259
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	**34**	<20
Ammonia Nitrogen	ug/l	--	<20	30	110	<20	940	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	<1000	2000	3000	1000	<1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	25000	22000	35000	52000	20000	22000
Chloride	ug/l	--	15000	24000	39000	37000	118000	39000
Color	color unit	--	48	25	31	51	28	28
Conductivity (Field)	uS/cm	--	560	585	549	545	560	595
Cyanide	ug/l	5[5]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[6]	11.88	11.88	9.42	11.80	7.44	8.99
Fluoride	ug/l	--	<100	<100	100	<100	140	<100
Hardness, Calcium Carbonate	ug/l	--	173000	277000	254000	245000	293000	288000
Nitrate as N	ug/l	--	<100	<100	<100	150	150	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	450	490	460	430	1400	500
pH (Field)	-	6.5 - 8.5	7.8	7.6	8.32	8.29	8.1	8
Phosphate, Ortho	ug/l	--	<30	<90	<30	<30	<30	<30
Phosphorus	ug/l	--[7]	20	**50**	20	20	**40**	**<50**
Sulphate	ug/l	--	8000	16000	8000	12000	16000	16000
Temperature (Field)	deg c	--[8]	18	5	21.1	1.7	16	7
Turbidity	ntu	--[9]	2.3	7.6	3.2	4.0	17.8	1.2
Metals								
Aluminum, dissolved	ug/l	--[10]	<10	<10	<10	<10	<10	<10
Arsenic	ug/l	100[11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	20	30	40	30	50	30
Beryllium	ug/l	--[12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200[13]	10	20	20	20	30	20
Cadmium	ug/l	0.2[11]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	46000	73000	67000	65000	76000	74000
Chromium	ug/l	--[14]	2	3	<1	<1	<1	<1
Cobalt	ug/l	0.9	<0.2	0.3	<0.2	<0.2	0.4	<0.2
Copper	ug/l	5	1	1	<1	<1	3	<1
Hexavalent Chromium	ug/l	1[15]	<0.5	0.21	<10	<10	<10	<1
Iron	ug/l	300	200	**450**	**450**	**310**	**1280**	220
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	--[16]	<1	<1	<1	<1	<1	<1
Magnesium	ug/l	--	14000	23000	21000	20000	25000	25000
Manganese	ug/l	--	20	70	60	40	330	40
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	ug/l	--	1000	1000	<1000	3000	2000	2000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	13000	24000	27000	29000	70000	27000
Strontium	ug/l	--	116	169	176	206	240	194
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	10	<10	<10	<10	<10
Vanadium	ug/l	6	2	3	<1	<1	<1	<1
Zinc	ug/l	30[11]	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4[13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1[18]	<1	<1	<1	<1	<1	<1

Parameter	Unit	PWQO [1]	BD-03-M2 12-Jun-2013 W - 4	BD-03-M2 19-Nov-2013 [2] W - 3	BD-03-M2 26-May-2014 BD 03-M2	BD-03-M2 27-Nov-2014 BD-03-M2	BD-03-M2 27-May-2015 [3] W-7	BD-03-M2 20-Nov-2015 S-3
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<50	<50	<50	<50	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	BD-03-M2 18-May-2016 W-2	BD-03-M2 16-Nov-2016 BD03M2	BD-03-M2 31-May-2017 W-4	BD-03-M2 29-Nov-2017 SW BD03 M2	BD-03-M2 08-Jun-2018 BB0302	BD-03-M2 28-Nov-2018 BD-03-M2
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	259	159	225	233	222	152
Ammonia, unionized (Field)	ug/l	20	<20	<20	20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	52	<50	30	100	360	50
Biochemical Oxygen Demand, 5 Day	ug/l	--	1000	<1000	<1000	<1000	<1000	<1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	21000	16000	20000	<5000	15000	<5000
Chloride	ug/l	--	61000	93000	32000	31000	16000	49000
Color	color unit	--	28	34	32	16	30	46
Conductivity (Field)	uS/cm	--	595	550	560	545	610	472
Cyanide	ug/l	5 [5]	<2	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	10.42	8.20	10.66	11.44	9.11	11.44
Fluoride	ug/l	--	110	<100	<100	<100	<100	100
Hardness, Calcium Carbonate	ug/l	--	275000	274000	226000	250000	219000	182000
Nitrate as N	ug/l	--	<100	<100	<100	0.17	<100	480
Nitrite as N	ug/l	--	<100	<100	<100	<0.10	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	490	<800	900	<800	800	200
pH (Field)	-	6.5 - 8.5	7.95	7.8	7.80	7.7	7.6	7.54
Phosphate, Ortho	ug/l	--	<30	<100	<30	90	<30	<30
Phosphorus	ug/l	-- [7]	17	<30	20	10	**68**	15
Sulphate	ug/l	--	12000	115000	8000	13000	2000	30000
Temperature (Field)	deg c	-- [8]	11	8.4	10	4.5	13	4.8
Turbidity	ntu	-- [9]	3.0	2.7	1.7	0.9	14.8	2.1
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	10	<10	<10	<10	10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	40	50	30	30	40	20
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	20	50	20	10	20	20
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	74000	75000	61000	67000	58000	48000
Chromium	ug/l	-- [14]	<1	<1	<1	<1	<1	<1
Cobalt	ug/l	0.9	<0.2	<0.2	<0.2	<0.2	0.3	<0.2
Copper	ug/l	5	<1	2	<1	<1	1	2
Hexavalent Chromium	ug/l	1 [15]	<10	<10	<1	<1	<10	<10
Iron	ug/l	300	**360**	180	**390**	130	**750**	170
Iron, dissolved	ug/l	300	--	--	--	50	180	80
Lead	ug/l	-- [16]	<1	<1	<1	<1	<1	<1
Magnesium	ug/l	--	22000	21000	18000	20000	18000	15000
Manganese	ug/l	--	100	40	40	20	130	30
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	ug/l	--	1000	3000	<1000	<1000	<1000	1000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	42000	70000	24000	19000	46000	31000
Strontium	ug/l	--	235	233	151	154	183	108
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<1	<1	<1	<1	<1	<1
Zinc	ug/l	30 [11]	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	**2**	<1	1	<1	<1

Parameter	Unit	PWQO [1]	BD-03-M2 18-May-2016 W-2	BD-03-M2 16-Nov-2016 BD03M2	BD-03-M2 31-May-2017 W-4	BD-03-M2 29-Nov-2017 SW BD03 M2	BD-03-M2 08-Jun-2018 BB0302	BD-03-M2 28-Nov-2018 BD-03-M2
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<30	<30	<30	<30	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	BD-03-M2 13-Jun-2019 BD02 M3	BD-03-M2 25-Nov-2019 BD03 M2	BD-03-M2 11-Jun-2020 BD03-M2	BD-03-M2 01-Dec-2020 BD-03-M2	BD-03-M2 22-June-2021 BD-03-M2	BD-03-M2 2-Nov-2021 BD-03-M2
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	225	210	178	217	189	199
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	0.4	0.3
Ammonia Nitrogen	ug/l	--	670	<10	74	<10	<10	132
Biochemical Oxygen Demand, 5 Day	ug/l	--	1000	4000	<1000	4000	<1000	<1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	<5000	6000	22000	21000	14000	25000
Chloride	ug/l	--	38000	34000	85000	43000	71000	46000
Color	color unit	--	36	23	43	50	44	90
Conductivity (Field)	uS/cm	--	580	430	603	649	640	563
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	10.64	13.21	**3.52**	9.79	4.1	--
Fluoride	ug/l	--	<100	120	<100	<100	<100	<100
Hardness, Calcium Carbonate	ug/l	--	202000	265000	184000	236000	215000	240000
Nitrate as N	ug/l	--	<100	140	<100	520	<100	380
Nitrite as N	ug/l	--	<100	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	1260	200	1150	776	505	1350
pH (Field)	-	6.5 - 8.5	7.6	7.7	7.75	7.8	7.78	7.2
Phosphate, Ortho	ug/l	--	<9.2	<10	<10	<10	<10	<10
Phosphorus	ug/l	-- [7]	19	11	**49**	**32**	**40**	**28**
Sulphate	ug/l	--	7000	21000	6000	24000	7000	34000
Temperature (Field)	deg c	-- [8]	13.5	2.1	25.0	3	28.1	8.5
Turbidity	ntu	-- [9]	2.5	1.0	4.3	3.4	2.6	15.7
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	10	<10	20
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	30	30	30	30	30	40
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	20	20	30	30	40	30
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	53000	70000	39000	63000	50000	63000
Chromium	ug/l	-- [14]	<1	<1	<1	<1	<1	<1
Cobalt	ug/l	0.9	<0.2	<0.2	0.3	<0.2	0.3	<0.2
Copper	ug/l	5	<1	<1	<1	1	1	1
Hexavalent Chromium	ug/l	1 [15]	<1	<1	<1	<0.5	<0.5	<0.5
Iron	ug/l	300	**360**	120	**1180**	300	**520**	**440**
Iron, dissolved	ug/l	300	140	80	**710**	100	200	230
Lead	ug/l	-- [16]	<1	<1	<1	<1	<1	<1
Magnesium	ug/l	--	17000	22000	21000	19000	22000	20000
Manganese	ug/l	--	30	20	270	40	270	50
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	ug/l	--	<1000	1000	<1000	2000	1000	2000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	23000	27000	55000	30000	42000	35000
Strontium	ug/l	--	158	157	190	161	181	210
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<1	<1	<1	<1	<1	<1
Zinc	ug/l	30 [11]	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	<1	**3**	<1	<1

Parameter	Unit	PWQO [1]	BD-03-M2 13-Jun-2019 BD02 M3	BD-03-M2 25-Nov-2019 BD03 M2	BD-03-M2 11-Jun-2020 BD03-M2	BD-03-M2 01-Dec-2020 BD-03-M2	BD-03-M2 22-June-2021 BD-03-M2	BD-03-M2 2-Nov-2021 BD-03-M2
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<30	<30	<30	<30	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<2	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.8	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW00-1 12-Jun-2013 W - 6	SW00-1 19-Nov-2013 [2] W - 11	SW00-1 26-May-2014 SW 00-1	SW00-1 27-Nov-2014 SW-00-1	SW00-1 27-May-2015 [3] W-12	SW00-1 20-Nov-2015 S-17
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	166	218	237	219	244	246
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	20	<20	40	<20	<20	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	1000	1000	2000	<1000	1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	21000	9000	13000	52000	12000	20000
Chloride	ug/l	--	22000	31000	78000	74000	153000	51000
Color	color unit	--	43	21	24	37	19	25
Conductivity (Field)	uS/cm	--	685	660	669	669	620	590
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	11.21	12.99	8.89	13.27	9.14	10.40
Fluoride	ug/l	--	100	100	110	110	160	<100
Hardness, Calcium Carbonate	ug/l	--	175000	250000	265000	251000	309000	284000
Nitrate as N	ug/l	--	<100	<100	<100	180	200	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	340	210	390	300	250	320
pH (Field)	-	6.5 - 8.5	8.0	7.9	8.39	8.25	8.1	8.0
Phosphate, Ortho	ug/l	--	<30	<90	<30	<30	<30	<30
Phosphorus	ug/l	-- [7]	30	10	10	20	10	**<50**
Sulphate	ug/l	--	14000	24000	23000	23000	32000	24000
Temperature (Field)	deg c	-- [8]	18	4	18.0	2.0	18	4
Turbidity	ntu	-- [9]	2.6	2.5	2.8	4.5	1.6	1.6
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	<10	<10	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	30	40	50	40	60	40
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	20	20	30	20	40	20
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	47000	67000	73000	69000	86000	74000
Chromium	ug/l	-- [14]	1	2	<1	<1	<1	<1
Cobalt	ug/l	0.9	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Copper	ug/l	5	1	<1	<1	<1	<1	<1
Hexavalent Chromium	ug/l	1 [15]	<0.5	0.23	<10	<10	<10	<1
Iron	ug/l	300	250	170	250	280	100	180
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	-- [16]	<1	<1	<1	<1	<1	<1
Magnesium	ug/l	--	14000	20000	20000	19000	23000	24000
Manganese	ug/l	--	30	30	80	70	30	50
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	ug/l	--	1000	1000	1000	2000	2000	2000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	19000	28000	50000	54000	90000	34000
Strontium	ug/l	--	120	169	192	223	269	227
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	1	1	<1	<1	<1	<1
Zinc	ug/l	30 [11]	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	<1	<1	<1	<1

Parameter	Unit	PWQO [1]	SW00-1 12-Jun-2013 W - 6	SW00-1 19-Nov-2013 [2] W - 11	SW00-1 26-May-2014 SW 00-1	SW00-1 27-Nov-2014 SW-00-1	SW00-1 27-May-2015 [3] W-12	SW00-1 20-Nov-2015 S-17
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<50	<50	<50	<50	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW00-1 18-May-2016 W-15	SW00-1 16-Nov-2016 00-1	SW00-1 31-May-2017 W-12	SW00-1 29-Nov-2017 SW00-1	SW00-1 08-Jun-2018 SW00-1	SW00-1 28-Nov-2018 SW-00-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	234	142	225	221	227	146
Ammonia, unionized (Field)	ug/l	20	<20	<20	20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<25	140	<20	<20	320	50
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	<1000	1000	<1000	<1000	1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	18000	6000	25000	<5000	11000	13000
Chloride	ug/l	--	79000	94000	47000	36000	25000	112000
Color	color unit	--	16	25	28	15	22	37
Conductivity (Field)	uS/cm	--	495	580	510	659	595	400
Cyanide	ug/l	5 [5]	<2	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	11.40	10.11	--	12.66	11.88	12.44
Fluoride	ug/l	--	130	<100	110	100	120	120
Hardness, Calcium Carbonate	ug/l	--	270000	236000	236000	248000	244000	175000
Nitrate as N	ug/l	--	<100	<100	<100	0.18	<100	390
Nitrite as N	ug/l	--	<100	<100	<100	<0.10	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	380	<800	<800	<800	400	300
pH (Field)	-	6.5 - 8.5	7.8	7.8	7.8	7.8	7.7	7.8
Phosphate, Ortho	ug/l	--	<30	<100	<30	<30	<30	<30
Phosphorus	ug/l	-- [7]	16	<30	<10	10	**32**	12
Sulphate	ug/l	--	27000	99000	17000	22000	4000	34000
Temperature (Field)	deg c	-- [8]	11	8.7	10	2.9	13	3.1
Turbidity	ntu	-- [9]	484	1.4	1.3	1.7	3.6	3.0
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	<10	<10	10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	50	50	40	30	50	30
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	30	40	30	10	40	20
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	75000	68000	65000	68000	68000	47000
Chromium	ug/l	-- [14]	<1	<1	<1	<1	<1	<1
Cobalt	ug/l	0.9	<0.2	<0.2	<0.2	<0.2	0.2	<0.2
Copper	ug/l	5	<1	2	<1	<1	1	2
Hexavalent Chromium	ug/l	1 [15]	<10	<10	<1	<1	<10	<10
Iron	ug/l	300	120	90	210	140	250	150
Iron, dissolved	ug/l	300	--	--	--	40	40	50
Lead	ug/l	-- [16]	<1	<1	<1	<1	<1	<1
Magnesium	ug/l	--	20000	16000	18000	19000	18000	14000
Manganese	ug/l	--	30	20	30	30	50	10
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	ug/l	--	1000	3000	1000	1000	1000	2000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	52000	68000	36000	25000	74000	74000
Strontium	ug/l	--	235	211	160	152	205	119
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<1	<1	<1	<1	<1	<1
Zinc	ug/l	30 [11]	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	**2**	<1	**2**	<1	<1

Parameter	Unit	PWQO [1]	SW00-1 18-May-2016 W-15	SW00-1 16-Nov-2016 00-1	SW00-1 31-May-2017 W-12	SW00-1 29-Nov-2017 SW00-1	SW00-1 08-Jun-2018 SW00-1	SW00-1 28-Nov-2018 SW-00-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<30	<30	<30	<30	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW00-1 13-Jun-2019 SW00-1	SW00-1 25-Nov-2019 00-1	SW00-1 11-Jun-2020 SW00-1	SW00-1 01-Dec-2020 SW00-1	SW00-1 22-Jun-2021 SW00-1	SW00-1 2-Nov-2021 SW00-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--[4]	211	201	242	195	255	200
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	0.6	0.02
Ammonia Nitrogen	ug/l	--	182	<10	31	<10	14	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	5000	<1000	4000	1000	<1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	8000	7000	5000	19000	10000	14000
Chloride	ug/l	--	57000	45000	170000	58000	253000	100000
Color	color unit	--	14	20	18	48	20	60
Conductivity (Field)	uS/cm	--	524	549	1004	1066	1280	752
Cyanide	ug/l	5[5]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[6]	11.73	10.77	6.65	10.89	4.1	--
Fluoride	ug/l	--	110	130	110	<100	130	100
Hardness, Calcium Carbonate	ug/l	--	203000	257000	275000	220000	315000	234000
Nitrate as N	ug/l	--	<100	110	110	460	<100	370
Nitrite as N	ug/l	--	<100	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	500	200	866	517	588	1160
pH (Field)	-	6.5 - 8.5	7.7	7.5	7.47	7.4	8.2	7.1
Phosphate, Ortho	ug/l	--	<9.2	<10	<10	<10	<10	<10
Phosphorus	ug/l	--[7]	13	7	**34**	22	22	17
Sulphate	ug/l	--	16000	28000	30000	28000	32000	43000
Temperature (Field)	deg c	--[8]	14	0.9	19.0	3	16.4	7.6
Turbidity	ntu	--[9]	27.3	1.3	4.3	3.0	2.9	2.4
Metals								
Aluminum, dissolved	ug/l	--[10]	<10	<10	<10	30	<10	20
Arsenic	ug/l	100[11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	40	30	80	30	80	40
Beryllium	ug/l	--[12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200[13]	20	20	60	30	50	40
Cadmium	ug/l	0.2[11]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	55000	70000	77000	60000	90000	64000
Chromium	ug/l	--[14]	<1	<1	<1	<1	<1	<1
Cobalt	ug/l	0.9	<0.2	<0.2	0.5	0.2	0.3	0.2
Copper	ug/l	5	<1	<1	2	2	1	2
Hexavalent Chromium	ug/l	1[15]	<1	<1	<1	<0.5	<0.5	<0.5
Iron	ug/l	300	170	90	**490**	260	230	310
Iron, dissolved	ug/l	300	120	40	40	80	<30	150
Lead	ug/l	--[16]	<1	<1	<1	<1	<1	
Magnesium	ug/l	--	16000	20000	20000	17000	22000	18000
Manganese	ug/l	--	30	10	360	20	290	40
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	5
Potassium	ug/l	--	<1000	1000	2000	2000	2000	200
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
Sodium	ug/l	--	34000	35000	104000	42000	156000	75000
Strontium	ug/l	--	165	156	257	155	298	213
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<1	<1	<1	<1	<1	<1
Zinc	ug/l	30[11]	<10	<10	10	<10	<10	<10
Zirconium	ug/l	4[13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1[18]	1	<1	<1	**3**	<1	<1

Parameter	Unit	PWQO [1]	SW00-1 13-Jun-2019 SW00-1	SW00-1 25-Nov-2019 00-1	SW00-1 11-Jun-2020 SW00-1	SW00-1 01-Dec-2020 SW00-1	SW00-1 22-Jun-2021 SW00-1	SW00-1 2-Nov-2021 SW00-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<30	<30	<30	<30	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	**4.0**	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW02-1 12-Jun-2013 W - 3	SW02-1 19-Nov-2013 [23] SW02-1	SW02-1 26-May-2014 [23] SW02-1	SW02-1 27-Nov-2014 [23] SW-02-1	SW02-1 27-May-2015 [23] SW02-1	SW02-1 20-Nov-2015 [23] SW02-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	154	--	--	--	--	--
Ammonia, unionized (Field)	ug/l	20	<20	--	--	--	--	--
Ammonia Nitrogen	ug/l	--	<20	--	--	--	--	--
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	--	--	--	--	--
Bromide	ug/l	--	<250	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	21000	--	--	52000	--	--
Chloride	ug/l	--	2000	--	--	--	--	--
Color	color unit	--	22	--	--	--	--	--
Conductivity (Field)	uS/cm	--	440	--	--	--	--	--
Cyanide	ug/l	5 [5]	<5	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	-- [6]	6.88	--	--	--	--	--
Fluoride	ug/l	--	120	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	167000	--	--	--	--	--
Nitrate as N	ug/l	--	200	--	--	--	--	--
Nitrite as N	ug/l	--	<100	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	520	--	--	--	--	--
pH (Field)	-	6.5 - 8.5	7.6	--	--	--	--	--
Phosphate, Ortho	ug/l	--	<30	--	--	--	--	--
Phosphorus	ug/l	-- [7]	**40**	--	--	--	--	--
Sulphate	ug/l	--	12000	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	19	--	--	--	--	--
Turbidity	ntu	-- [9]	3.1	--	--	--	--	--
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	--	--	--	--	--
Arsenic	ug/l	100 [11]	<1	--	--	--	--	--
Barium	ug/l	--	20	--	--	--	--	--
Beryllium	ug/l	-- [12]	<0.5	--	--	--	--	--
Boron	ug/l	200 [13]	20	--	--	--	--	--
Cadmium	ug/l	0.2 [11]	<0.1	--	--	--	--	--
Calcium	ug/l	--	47000	--	--	--	--	--
Chromium	ug/l	-- [14]	1	--	--	--	--	--
Cobalt	ug/l	0.9	0.3	--	--	--	--	--
Copper	ug/l	5	2	--	--	--	--	--
Hexavalent Chromium	ug/l	1 [15]	<0.5	--	--	--	--	--
Iron	ug/l	300	220	--	--	--	--	--
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	-- [16]	<1	--	--	--	--	--
Magnesium	ug/l	--	12000	--	--	--	--	--
Manganese	ug/l	--	30	--	--	--	--	--
Molybdenum	ug/l	40	<5	--	--	--	--	--
Nickel	ug/l	25	<5	--	--	--	--	--
Potassium	ug/l	--	2000	--	--	--	--	--
Silver	ug/l	0.1	<0.1	--	--	--	--	--
Sodium	ug/l	--	2000	--	--	--	--	--
Strontium	ug/l	--	78	--	--	--	--	--
Thallium	ug/l	0.3 [17]	<0.1	--	--	--	--	--
Titanium	ug/l	--	10	--	--	--	--	--
Vanadium	ug/l	6	2	--	--	--	--	--
Zinc	ug/l	30 [11]	<10	--	--	--	--	--
Zirconium	ug/l	4 [13]	<2	--	--	--	--	--
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	--	--	--	--	--

Parameter	Unit	PWQO [1]	SW02-1 12-Jun-2013 W - 3	SW02-1 19-Nov-2013 [23] SW02-1	SW02-1 26-May-2014 [23] SW02-1	SW02-1 27-Nov-2014 [23] SW-02-1	SW02-1 27-May-2015 [23] SW02-1	SW02-1 20-Nov-2015 [23] SW02-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	--	--	--	--	--
1,1-Dichloroethylene	ug/l	40	<0.5	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	--	--	--	--	--
Methyl Ethyl Ketone	ug/l	400 [13]	<10	--	--	--	--	--
Acetone	ug/l	--	<50	--	--	--	--	--
Benzene	ug/l	100 [17]	<0.5	--	--	--	--	--
Bromodichloromethane	ug/l	200 [13]	<0.3	--	--	--	--	--
Chlorobenzene	ug/l	15 [19]	<0.2	--	--	--	--	--
Chloroethane	ug/l	--	<0.2	--	--	--	--	--
Chloroform	ug/l	--	<0.5	--	--	--	--	--
Chloromethane	ug/l	700 [13]	<0.2	--	--	--	--	--
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	--	--	--	--	--
m,p-Xylenes	ug/l	--	<0.5	--	--	--	--	--
Methylene Chloride	ug/l	100 [21]	<4.0	--	--	--	--	--
o-Xylene	ug/l	40 [17]	<0.5	--	--	--	--	--
Tetrachloroethylene	ug/l	50 [22]	<0.3	--	--	--	--	--
Toluene	ug/l	0.8	<0.5	--	--	--	--	--
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	--	--	--	--	--
Trichlorofluoromethane	ug/l	--	<0.5	--	--	--	--	--
Vinyl Chloride	ug/l	600 [13]	<0.2	--	--	--	--	--

Parameter	Unit	PWQO [1]	SW02-1 18-May-2016 [23] SW02-1	SW02-1 16-Nov-2016 [24] 02-1	SW02-1 31-May-2017 W-3	SW02-1 29-Nov-2017 SW 02-1	SW02-1 08-Jun-2018 [23] SW02-1	SW02-1 28-Nov-2018 SW-02-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	--	--	202	232	--	157
Ammonia, unionized (Field)	ug/l	20	--	--	20	<20	--	<20
Ammonia Nitrogen	ug/l	--	--	--	110	<20	--	30
Biochemical Oxygen Demand, 5 Day	ug/l	--	--	--	<1000	<1000	--	<1000
Bromide	ug/l	--	--	--	<250	<250	--	<250
Chemical Oxygen Demand	ug/l	--	--	--	19000	<5000	--	<5000
Chloride	ug/l	--	--	--	3000	3000	--	4000
Color	color unit	--	--	--	5	7	--	12
Conductivity (Field)	uS/cm	--	--	--	495	480	--	297
Cyanide	ug/l	5 [5]	--	--	<5	<5	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	--	--	**2.96**	**3.11**	--	**5.54**
Fluoride	ug/l	--	--	--	130	120	--	140
Hardness, Calcium Carbonate	ug/l	--	--	--	226000	250000	--	150000
Nitrate as N	ug/l	--	--	--	140	0.50	--	680
Nitrite as N	ug/l	--	--	--	<100	<0.10	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	--	--	<800	<800	--	100
pH (Field)	-	6.5 - 8.5	--	--	7.8	7.6	--	7.58
Phosphate, Ortho	ug/l	--	--	--	<30	120	--	<30
Phosphorus	ug/l	-- [7]	--	--	**80**	10	--	15
Sulphate	ug/l	--	--	--	14000	15000	--	12000
Temperature (Field)	deg c	-- [8]	--	--	11	5.0	--	4.4
Turbidity	ntu	-- [9]	--	--	4.9	1.8	--	3.1
Metals								
Aluminum, dissolved	ug/l	-- [10]	--	--	10	<10	--	<10
Arsenic	ug/l	100 [11]	--	--	<1	<1	--	<1
Barium	ug/l	--	--	--	20	20	--	10
Beryllium	ug/l	-- [12]	--	--	<0.5	<0.5	--	<0.5
Boron	ug/l	200 [13]	--	--	30	20	--	20
Cadmium	ug/l	0.2 [11]	--	--	<0.1	<0.1	--	<0.1
Calcium	ug/l	--	--	--	64000	72000	--	42000
Chromium	ug/l	-- [14]	--	--	<1	<1	--	<1
Cobalt	ug/l	0.9	--	--	<0.2	<0.2	--	<0.2
Copper	ug/l	5	--	--	<1	<1	--	1
Hexavalent Chromium	ug/l	1 [15]	--	--	<1	<1	--	<10
Iron	ug/l	300	--	--	70	80	--	90
Iron, dissolved	ug/l	300	--	--	--	<30	--	<30
Lead	ug/l	-- [16]	--	--	<1	<1	--	<1
Magnesium	ug/l	--	--	--	16000	17000	--	11000
Manganese	ug/l	--	--	--	<10	10	--	<10
Molybdenum	ug/l	40	--	--	<5	<5	--	<5
Nickel	ug/l	25	--	--	<5	<5	--	<5
Potassium	ug/l	--	--	--	1000	1000	--	2000
Silver	ug/l	0.1	--	--	<0.1	<0.1	--	<0.1
Sodium	ug/l	--	--	--	3000	3000	--	3000
Strontium	ug/l	--	--	--	98	119	--	68
Thallium	ug/l	0.3 [17]	--	--	<0.1	<0.1	--	<0.1
Titanium	ug/l	--	--	--	<10	<10	--	<10
Vanadium	ug/l	6	--	--	<1	<1	--	<1
Zinc	ug/l	30 [11]	--	--	<10	<10	--	<10
Zirconium	ug/l	4 [13]	--	--	<2	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	--	--	<1	1	--	<1

Parameter	Unit	PWQO [1]	SW02-1 18-May-2016 [23] SW02-1	SW02-1 16-Nov-2016 [24] 02-1	SW02-1 31-May-2017 W-3	SW02-1 29-Nov-2017 SW 02-1	SW02-1 08-Jun-2018 [23] SW02-1	SW02-1 28-Nov-2018 SW-02-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	<0.5	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	--	--	<0.4	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	--	--	<0.5	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	--	--	<0.4	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	--	--	<0.4	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	--	--	<10	<10	--	<10
Acetone	ug/l	--	--	--	<30	<30	--	<30
Benzene	ug/l	100 [17]	--	--	<0.5	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 [13]	--	--	<0.3	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	--	--	<0.2	<0.5	--	<0.5
Chloroethane	ug/l	--	--	--	<0.2	<0.2	--	<0.2
Chloroform	ug/l	--	--	--	<0.5	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	--	--	<0.2	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	--	--	<0.4	<0.4	--	<0.4
Ethylbenzene	ug/l	8	--	--	<0.5	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	--	--	<0.4	<0.4	--	<0.4
Methylene Chloride	ug/l	100 [21]	--	--	<4.0	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	--	--	<0.4	<0.4	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	--	--	<0.3	<0.3	--	<0.3
Toluene	ug/l	0.8	--	--	<0.5	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	--	--	<0.4	<0.4	--	<0.4
Trichloroethene	ug/l	20	--	--	<0.3	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	--	--	<0.5	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	--	--	<0.2	<0.2	--	<0.2

Parameter	Unit	PWQO [1]	SW02-1 13-Jun-2019 SW02-1	SW02-1 25-Nov-2019 02-1	SW02-1 11-Jun-2020 [23] SW02-1	SW02-1 01-Dec-2020 SW02-1	SW02-1 22-Jun-2021 SW02-1	SW02-1 2-Nov-2021 SW02-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	201	206	--	146	--	172
Ammonia, unionized (Field)	ug/l	20	<20	<20	--	<20	--	0.05
Ammonia Nitrogen	ug/l	--	35	<10	--	<10	--	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	5000	--	3000	--	<1000
Bromide	ug/l	--	<250	<250	--	<250	--	<250
Chemical Oxygen Demand	ug/l	--	7000	<5000	--	9000	--	35000
Chloride	ug/l	--	6000	3000	--	3000	--	2000
Color	color unit	--	5	5	--	19	--	5
Conductivity (Field)	uS/cm	--	410	375	--	602	--	316
Cyanide	ug/l	5 [5]	<5	<5	--	<5	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**2.04**	**4.81**	--	**2.11**	**--**	**--**
Fluoride	ug/l	--	130	150	--	110	--	120
Hardness, Calcium Carbonate	ug/l	--	195000	251000	--	159000	--	188000
Nitrate as N	ug/l	--	380	450	--	460	--	160
Nitrite as N	ug/l	--	<100	<100	--	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	240	300	--	447	--	1540
pH (Field)	-	6.5 - 8.5	7.5	7.6	--	7.5	--	7.4
Phosphate, Ortho	ug/l	--	<9.2	<10	--	<10	--	<10
Phosphorus	ug/l	-- [7]	4	6	--	15	--	**262**
Sulphate	ug/l	--	11000	13000	--	13000	--	15000
Temperature (Field)	deg c	-- [8]	15	0.9	--	2	--	9.8
Turbidity	ntu	-- [9]	1.6	1.6	--	5.6	--	>100
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	<10	--	10	--	<10
Arsenic	ug/l	100 [11]	<1	<1	--	<1	--	<1
Barium	ug/l	--	20	20	--	10	--	60
Beryllium	ug/l	-- [12]	<0.5	<0.5	--	<0.5	--	<0.5
Boron	ug/l	200 [13]	30	20	--	20	--	30
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	--	<0.1	--	0.1
Calcium	ug/l	--	55000	71000	--	44000	--	52000
Chromium	ug/l	-- [14]	<1	<1	--	<1	--	4
Cobalt	ug/l	0.9	<0.2	<0.2	--	<0.2	--	2.7
Copper	ug/l	5	<1	<1	--	1	--	**8**
Hexavalent Chromium	ug/l	1 [15]	<1	<1	--	<0.5	--	<0.5
Iron	ug/l	300	<30	60	--	160	--	**2460**
Iron, dissolved	ug/l	300	<30	<30	--	<30	--	<30
Lead	ug/l	-- [16]	<1	<1	--	<1	--	4
Magnesium	ug/l	--	14000	18000	--	12000	--	14000
Manganese	ug/l	--	<10	<10	--	<10	--	250
Molybdenum	ug/l	40	<5	<5	--	<5	--	<5
Nickel	ug/l	25	<5	<5	--	<5	--	<5
Potassium	ug/l	--	1000	1000	--	2000	--	1000
Silver	ug/l	0.1	<0.1	<0.1	--	<0.1	--	<0.1
Sodium	ug/l	--	3000	4000	--	3000	--	3000
Strontium	ug/l	--	108	107	--	67	--	96
Thallium	ug/l	0.3 [17]	<0.1	<0.1	--	<0.1	--	<0.1
Titanium	ug/l	--	<10	<10	--	10	--	70
Vanadium	ug/l	6	<1	<1	--	<1	--	**9**
Zinc	ug/l	30 [11]	<10	<10	--	<10	--	10
Zirconium	ug/l	4 [13]	<2	<2	--	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	--	**3**	**--**	<1

Parameter	Unit	PWQO [1]	SW02-1 13-Jun-2019 SW02-1	SW02-1 25-Nov-2019 02-1	SW02-1 11-Jun-2020 [23] SW02-1	SW02-1 01-Dec-2020 SW02-1	SW02-1 22-Jun-2021 SW02-1	SW02-1 2-Nov-2021 SW02-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	--	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	--	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	--	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	--	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	--	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	--	<10	--	<10
Acetone	ug/l	--	<30	<30	--	<30	--	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	--	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	--	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	<0.5	<0.5	--	<0.5	--	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	--	<0.2	--	<0.2
Chloroform	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	--	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	--	<0.4	--	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	--	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	--	<0.4	--	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	--	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	--	<0.4	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	--	<0.3	--	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	--	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	--	<0.4	--	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	--	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	--	<0.2	--	<0.2

Parameter	Unit	PWQO [1]	SW03-1 12-Jun-2013 W - 18	SW03-1 19-Nov-2013 [25] W - 7	SW03-1 26-May-2014 [26] SW 03-1	SW03-1 27-Nov-2014 SW-03-1	SW03-1 27-May-2015 [23] SW03-1	SW03-1 20-Nov-2015 S-16
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	240	574	398	453	--	342
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	--	<20
Ammonia Nitrogen	ug/l	--	420	3140	1190	2790	--	205
Biochemical Oxygen Demand, 5 Day	ug/l	--	4000	2000	3000	8000	--	6000
Bromide	ug/l	--	<250	<250	<250	<250	--	<250
Chemical Oxygen Demand	ug/l	--	34000	42000	20000	52000	--	54000
Chloride	ug/l	--	11000	25000	16000	31000	--	22000
Color	color unit	--	58	8	15	13	--	32
Conductivity (Field)	uS/cm	--	920	810	788	982	--	460
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**2.11**	**4.88**	**0.31**	**2.54**	--	8.33
Fluoride	ug/l	--	140	230	160	170	--	<100
Hardness, Calcium Carbonate	ug/l	--	237000	634000	387000	458000	--	354000
Nitrate as N	ug/l	--	<100	<100	<100	<100	--	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	1520	4560	2020	3210	--	370
pH (Field)	-	6.5 - 8.5	6.7	6.8	7.39	7.36	--	7.7
Phosphate, Ortho	ug/l	--	<30	<90	<30	<30	--	<30
Phosphorus	ug/l	-- [7]	**50**	**120**	10	20	--	**110**
Sulphate	ug/l	--	<3000	4000	<1000	<1000	--	4000
Temperature (Field)	deg c	-- [8]	22	5	20.2	1.2	--	4
Turbidity	ntu	-- [9]	12.5	>100	>100	274	--	>100
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	<10	--	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	--	<1
Barium	ug/l	--	320	450	510	460	--	270
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	--	<0.5
Boron	ug/l	200 [13]	90	200	150	150	--	100
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	--	<0.1
Calcium	ug/l	--	70000	188000	112000	134000	--	94000
Chromium	ug/l	-- [14]	1	3	<1	<1	--	<1
Cobalt	ug/l	0.9	0.5	0.8	0.4	0.5	--	0.2
Copper	ug/l	5	2	<1	<1	<1	--	2
Hexavalent Chromium	ug/l	1 [15]	<0.5	0.04	<10	<10	--	<1
Iron	ug/l	300	**8000**	**54000**	**15000**	**26700**	--	**33200**
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	-- [16]	<1	<1	<1	<1	--	<1
Magnesium	ug/l	--	15000	40000	26000	30000	--	29000
Manganese	ug/l	--	300	980	450	800	--	1050
Molybdenum	ug/l	40	<5	<5	<5	<5	--	<5
Nickel	ug/l	25	<5	<5	<5	<5	--	<5
Potassium	ug/l	--	2000	7000	5000	7000	--	5000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1
Sodium	ug/l	--	11000	28000	18000	25000	--	12000
Strontium	ug/l	--	218	424	347	451	--	244
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	--	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	--	<10
Vanadium	ug/l	6	2	4	<1	<1	--	<1
Zinc	ug/l	30 [11]	10	**80**	<10	<10	--	20
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<2	<1	<1	--	<1

Parameter	Unit	PWQO [1]	SW03-1 12-Jun-2013 W - 18	SW03-1 19-Nov-2013 [25] W - 7	SW03-1 26-May-2014 [26] SW 03-1	SW03-1 27-Nov-2014 SW-03-1	SW03-1 27-May-2015 [23] SW03-1	SW03-1 20-Nov-2015 S-16
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	--	<0.5	--	--	--	<0.5
1,1-Dichloroethane	ug/l	200	--	<0.4	--	--	--	<0.4
1,1-Dichloroethylene	ug/l	40	--	<0.5	--	--	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	--	<0.4	--	--	--	<0.4
1,4-Dichlorobenzene	ug/l	4	--	1.2	--	--	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	--	<10	--	--	--	<10
Acetone	ug/l	--	--	<50	--	--	--	<30
Benzene	ug/l	100 [17]	--	0.6	--	--	--	<0.5
Bromodichloromethane	ug/l	200 [13]	--	<0.3	--	--	--	<0.3
Chlorobenzene	ug/l	15 [19]	--	0.4	--	--	--	<0.2
Chloroethane	ug/l	--	--	<0.2	--	--	--	<0.2
Chloroform	ug/l	--	--	<0.5	--	--	--	<0.5
Chloromethane	ug/l	700 [13]	--	<0.2	--	--	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	--	<0.4	--	--	--	<0.4
Ethylbenzene	ug/l	8	--	<0.5	--	--	--	<0.5
m,p-Xylenes	ug/l	--	--	<0.5	--	--	--	<0.4
Methylene Chloride	ug/l	100 [21]	--	<4.0	--	--	--	<4.0
o-Xylene	ug/l	40 [17]	--	<0.5	--	--	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	--	<0.3	--	--	--	<0.3
Toluene	ug/l	0.8	--	<0.5	--	--	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	--	<0.4	--	--	--	<0.4
Trichloroethene	ug/l	20	--	<0.3	--	--	--	<0.3
Trichlorofluoromethane	ug/l	--	--	<0.5	--	--	--	<0.5
Vinyl Chloride	ug/l	600 [13]	--	<0.2	--	--	--	<0.2

Parameter	Unit	PWQO [1]	SW03-1 18-May-2016 [23] SW03-1	SW03-1 16-Nov-2016 03-1	SW03-1 31-May-2017 W-17	SW03-1 29-Nov-2017 SW 03-1	SW03-1 08-Jun-2018 [24] SW03-1	SW03-1 28-Nov-2018 SW03-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	--	301	252	460	--	344
Ammonia, unionized (Field)	ug/l	20	--	<20	20	<20	--	<20
Ammonia Nitrogen	ug/l	--	--	1710	80	180	--	390
Biochemical Oxygen Demand, 5 Day	ug/l	--	--	<1000	<1000	<1000	--	1000
Bromide	ug/l	--	--	<250	<250	<250	--	<250
Chemical Oxygen Demand	ug/l	--	--	15000	26000	9000	--	10000
Chloride	ug/l	--	--	44000	29000	28000	--	30000
Color	color unit	--	--	26	25	13	--	21
Conductivity (Field)	uS/cm	--	--	735	640	705	--	505
Cyanide	ug/l	5 [5]	--	<5	<5	<5	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	--	**1.60**	**1.20**	**1.81**	--	**4.88**
Fluoride	ug/l	--	--	<100	170	<100	--	130
Hardness, Calcium Carbonate	ug/l	--	--	325000	389000	507000	--	392000
Nitrate as N	ug/l	--	--	600	<100	0.11	--	<100
Nitrite as N	ug/l	--	--	<100	<100	<0.10	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	--	4500	900	900	--	1100
pH (Field)	-	6.5 - 8.5	--	7.2	7.6	7.4	--	7.6
Phosphate, Ortho	ug/l	--	--	<100	<30	<30	--	<30
Phosphorus	ug/l	-- [7]	--	<30	<10	<10	--	12
Sulphate	ug/l	--	--	25000	108000	24000	--	46000
Temperature (Field)	deg c	-- [8]	--	9.2	13	3.1	--	2.8
Turbidity	ntu	-- [9]	--	31.1	1.0	6.9	--	5.4
Metals								
Aluminum, dissolved	ug/l	-- [10]	--	<10	<10	<10	--	<10
Arsenic	ug/l	100 [11]	--	<1	<1	<1	--	<1
Barium	ug/l	--	--	150	100	90	--	80
Beryllium	ug/l	-- [12]	--	<0.5	<0.5	<0.5	--	<0.5
Boron	ug/l	200 [13]	--	140	140	120	--	150
Cadmium	ug/l	0.2 [11]	--	<0.1	<0.1	<0.1	--	<0.1
Calcium	ug/l	--	--	94000	121000	142000	--	111000
Chromium	ug/l	-- [14]	--	<1	<1	<1	--	<1
Cobalt	ug/l	0.9	--	<0.2	0.3	0.3	--	0.5
Copper	ug/l	5	--	<1	<1	<1	--	1
Hexavalent Chromium	ug/l	1 [15]	--	<10	<1	<1	--	<10
Iron	ug/l	300	--	**540**	260	**2260**	--	**1170**
Iron, dissolved	ug/l	300	--	--	--	**860**	--	**560**
Lead	ug/l	-- [16]	--	<1	<1	<1	--	<1
Magnesium	ug/l	--	--	22000	21000	37000	--	28000
Manganese	ug/l	--	--	30	50	660	--	730
Molybdenum	ug/l	40	--	<5	<5	<5	--	<5
Nickel	ug/l	25	--	<5	<5	<5	--	<5
Potassium	ug/l	--	--	6000	2000	3000	--	3000
Silver	ug/l	0.1	--	<0.1	<0.1	<0.1	--	<0.1
Sodium	ug/l	--	--	24000	20000	14000	--	14000
Strontium	ug/l	--	--	307	209	211	--	176
Thallium	ug/l	0.3 [17]	--	<0.1	<0.1	<0.1	--	<0.1
Titanium	ug/l	--	--	<10	<10	<10	--	<10
Vanadium	ug/l	6	--	<1	<1	<1	--	<1
Zinc	ug/l	30 [11]	--	<10	20	<10	--	**50**
Zirconium	ug/l	4 [13]	--	<2	<2	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	--	**2**	<1	**2**	--	<1

Parameter	Unit	PWQO [1]	SW03-1 18-May-2016 [23] SW03-1	SW03-1 16-Nov-2016 03-1	SW03-1 31-May-2017 W-17	SW03-1 29-Nov-2017 SW 03-1	SW03-1 08-Jun-2018 [24] SW03-1	SW03-1 28-Nov-2018 SW03-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	--	<0.5	--	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	--	<0.4	--	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	--	<0.5	--	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	--	<0.4	--	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	--	<0.4	--	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	--	<10	--	<10	--	<10
Acetone	ug/l	--	--	<30	--	<30	--	<30
Benzene	ug/l	100 [17]	--	<0.5	--	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 [13]	--	<0.3	--	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	--	<0.2	--	<0.5	--	<0.5
Chloroethane	ug/l	--	--	<0.2	--	<0.2	--	<0.2
Chloroform	ug/l	--	--	<0.5	--	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	--	<0.2	--	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	--	<0.4	--	<0.4	--	<0.4
Ethylbenzene	ug/l	8	--	<0.5	--	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	--	<0.4	--	<0.4	--	<0.4
Methylene Chloride	ug/l	100 [21]	--	<4.0	--	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	--	<0.4	--	<0.4	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	--	<0.3	--	<0.3	--	<0.3
Toluene	ug/l	0.8	--	<0.5	--	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	--	<0.4	--	<0.4	--	<0.4
Trichloroethene	ug/l	20	--	<0.3	--	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	--	<0.5	--	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	--	<0.2	--	<0.2	--	<0.2

Parameter	Unit	PWQO [1]	SW03-1 13-Jun-2019 SW03-1	SW03-1 25-Nov-2019 03-1	SW03-1 11-Jun-2020 SW03-1	SW03-1 01-Dec-2020 SW03-1	SW03-1 22-Jun-2021 SW03-1	SW03-1 2-Nov-2021 SW03-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--[4]	364	131	441	319	--	244
Ammonia, unionized (Field)	ug/l	20	--	<20	<20	<20	--	0.01
Ammonia Nitrogen	ug/l	--	409	142	633	122	--	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	2000	6000	3000	5000	--	<1000
Bromide	ug/l	--	<250	<250	<250	<250	--	<250
Chemical Oxygen Demand	ug/l	--	20000	16000	26000	51000	--	16000
Chloride	ug/l	--	22000	10000	39000	37000	--	94000
Color	color unit	--	11	42	15	18	--	11
Conductivity (Field)	uS/cm	--	659	705	878	902	--	797
Cyanide	ug/l	5[5]	<5	<5	<5	<5	--	<5
Dissolved Oxygen (Field)	mg/l	--[6]	**2.89**	**1.88**	**0**	**1.89**	**--**	**--**
Fluoride	ug/l	--	170	<100	100	110	--	<100
Hardness, Calcium Carbonate	ug/l	--	321000	180000	425000	351000	--	324000
Nitrate as N	ug/l	--	<100	<100	<100	<100	--	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	1110	500	1570	1330	--	564
pH (Field)	-	6.5 - 8.5	7.4	7.5	7.03	7.04	--	6.9
Phosphate, Ortho	ug/l	--	<9.2	<10	<10	<10	--	<10
Phosphorus	ug/l	--[7]	11	23	17	30	--	**46**
Sulphate	ug/l	--	<1000	22000	<1000	14000	--	22000
Temperature (Field)	deg c	--[8]	15	0.9	20.6	3	--	6.3
Turbidity	ntu	--[9]	>100	11.6	>100	48.1	--	48.4
Metals								
Aluminum, dissolved	ug/l	--[10]	<10	30	<10	<10	--	<10
Arsenic	ug/l	100[11]	<1	<1	<1	<1	--	<1
Barium	ug/l	--	580	60	780	190	--	100
Beryllium	ug/l	--[12]	<0.5	<0.5	<0.5	<0.5	--	<0.5
Boron	ug/l	200[13]	140	50	180	150	--	110
Cadmium	ug/l	0.2[11]	<0.1	<0.1	<0.1	<0.1	--	<0.1
Calcium	ug/l	--	94000	49000	124000	101000	--	95000
Chromium	ug/l	--[14]	<1	<1	<1	<1	--	<1
Cobalt	ug/l	0.9	0.5	0.4	0.5	0.3	--	0.4
Copper	ug/l	5	<1	<1	<1	<1	--	<1
Hexavalent Chromium	ug/l	1[15]	<1	<1	<4	<0.5	--	<0.5
Iron	ug/l	300	**31800**	**4130**	**19900**	**19100**	**--**	**19100**
Iron, dissolved	ug/l	300	**23400**	**2480**	**9700**	180	--	**10500**
Lead	ug/l	--[16]	<1	<1	<1	<1	--	<1
Magnesium	ug/l	--	21000	14000	28000	24000	--	21000
Manganese	ug/l	--	480	540	380	540	--	140
Molybdenum	ug/l	40	<5	<5	<5	<5	--	<5
Nickel	ug/l	25	<5	<5	<5	<5	--	<5
Potassium	ug/l	--	2000	<1000	3000	2000	--	2000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1
Sodium	ug/l	--	12000	6000	20000	18000	--	34000
Strontium	ug/l	--	362	112	459	212	--	202
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	--	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	--	<10
Vanadium	ug/l	6	<1	<1	<1	<1	--	<1
Zinc	ug/l	30[11]	<10	20	<10	<10	--	<10
Zirconium	ug/l	4[13]	<2	<2	3	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1[18]	1	**3**	<1	**7**	**--**	<1

Parameter	Unit	PWQO [1]	SW03-1 13-Jun-2019 SW03-1	SW03-1 25-Nov-2019 03-1	SW03-1 11-Jun-2020 SW03-1	SW03-1 01-Dec-2020 SW03-1	SW03-1 22-Jun-2021 SW03-1	SW03-1 2-Nov-2021 SW03-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	<0.4	--	--	--	--	--
1,1-Dichloroethylene	ug/l	40	<0.5	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	<0.4	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	<0.4	--	--	--	--	--
Methyl Ethyl Ketone	ug/l	400 [13]	<10	--	--	--	--	--
Acetone	ug/l	--	<30	--	--	--	--	--
Benzene	ug/l	100 [17]	<0.5	--	--	--	--	--
Bromodichloromethane	ug/l	200 [13]	<0.3	--	--	--	--	--
Chlorobenzene	ug/l	15 [19]	<0.5	--	--	--	--	--
Chloroethane	ug/l	--	<0.2	--	--	--	--	--
Chloroform	ug/l	--	<0.5	--	--	--	--	--
Chloromethane	ug/l	700 [13]	<0.2	--	--	--	--	--
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	--	--	--	--
Ethylbenzene	ug/l	8	<0.5	--	--	--	--	--
m,p-Xylenes	ug/l	--	<0.4	--	--	--	--	--
Methylene Chloride	ug/l	100 [21]	<4.0	--	--	--	--	--
o-Xylene	ug/l	40 [17]	<0.4	--	--	--	--	--
Tetrachloroethylene	ug/l	50 [22]	<0.3	--	--	--	--	--
Toluene	ug/l	0.8	**4.2**	--	--	--	--	--
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	--	--	--	--
Trichloroethene	ug/l	20	<0.3	--	--	--	--	--
Trichlorofluoromethane	ug/l	--	<0.5	--	--	--	--	--
Vinyl Chloride	ug/l	600 [13]	<0.2	--	--	--	--	--

Parameter	Unit	PWQO [1]	SW04-1 12-Jun-2013 W - 2	SW04-1 19-Nov-2013 [2] W - 2	SW04-1 26-May-2014 [23] SW04-1	SW04-1 27-Nov-2014 SW-04-1	SW04-1 27-May-2015 [23] SW04-1	SW04-1 20-Nov-2015 S-2
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--[4]	139	198	--	212	--	246
Ammonia, unionized (Field)	ug/l	20	<20	<20	--	<20	--	<20
Ammonia Nitrogen	ug/l	--	<20	<20	--	<20	--	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	<1000	--	1000	--	<1000
Bromide	ug/l	--	<250	<250	--	<250	--	<250
Chemical Oxygen Demand	ug/l	--	32000	20000	--	52000	--	24000
Chloride	ug/l	--	2000	4000	--	3000	--	5000
Color	color unit	--	58	20	--	19	--	21
Conductivity (Field)	uS/cm	--	580	540	--	401	--	480
Cyanide	ug/l	5[5]	<5	<5	--	<5	--	<5
Dissolved Oxygen (Field)	mg/l	--[6]	7.11	8.49	--	9.92	--	**3.88**
Fluoride	ug/l	--	100	110	--	110	--	<100
Hardness, Calcium Carbonate	ug/l	--	151000	237000	--	242000	--	256000
Nitrate as N	ug/l	--	<100	160	--	230	--	100
Nitrite as N	ug/l	--	<100	<100	--	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	700	480	--	300	--	540
pH (Field)	-	6.5 - 8.5	7.4	7.5	--	7.95	--	7.6
Phosphate, Ortho	ug/l	--	30	<90	--	<30	--	<30
Phosphorus	ug/l	--[7]	30	20	--	**40**	--	**<50**
Sulphate	ug/l	--	7000	10000	--	9000	--	7000
Temperature (Field)	deg c	--[8]	16	4	--	5.0	--	6
Turbidity	ntu	--[9]	1.2	3.5	--	23.2	--	3.8
Metals								
Aluminum, dissolved	ug/l	--[10]	50	30	--	<10	--	10
Arsenic	ug/l	100[11]	<1	<1	--	<1	--	<1
Barium	ug/l	--	10	20	--	20	--	20
Beryllium	ug/l	--[12]	<0.5	<0.5	--	<0.5	--	<0.5
Boron	ug/l	200[13]	<10	10	--	20	--	20
Cadmium	ug/l	0.2[11]	<0.1	<0.1	--	<0.1	--	<0.1
Calcium	ug/l	--	44000	70000	--	72000	--	76000
Chromium	ug/l	--[14]	1	2	--	<1	--	<1
Cobalt	ug/l	0.9	0.2	<0.2	--	0.3	--	<0.2
Copper	ug/l	5	2	1	--	1	--	1
Hexavalent Chromium	ug/l	1[15]	<0.5	0.28	--	<10	--	<1
Iron	ug/l	300	230	160	--	**460**	--	110
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	--[16]	<1	<1	--	<1	--	<1
Magnesium	ug/l	--	10000	15000	--	15000	--	16000
Manganese	ug/l	--	50	40	--	140	--	20
Molybdenum	ug/l	40	<5	<5	--	<5	--	<5
Nickel	ug/l	25	<5	<5	--	<5	--	<5
Potassium	ug/l	--	2000	2000	--	2000	--	2000
Silver	ug/l	0.1	<0.1	<0.1	--	<0.1	--	<0.1
Sodium	ug/l	--	<2000	3000	--	3000	--	3000
Strontium	ug/l	--	72	122	--	131	--	132
Thallium	ug/l	0.3[17]	<0.1	<0.1	--	<0.1	--	<0.1
Titanium	ug/l	--	<10	<10	--	<10	--	<10
Vanadium	ug/l	6	1	1	--	<1	--	<1
Zinc	ug/l	30[11]	<10	<10	--	<10	--	<10
Zirconium	ug/l	4[13]	<2	<2	--	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1[18]	<1	<1	--	<1	--	<1

Parameter	Unit	PWQO [1]	SW04-1 12-Jun-2013 W - 2	SW04-1 19-Nov-2013 [2] W - 2	SW04-1 26-May-2014 [23] SW04-1	SW04-1 27-Nov-2014 SW-04-1	SW04-1 27-May-2015 [23] SW04-1	SW04-1 20-Nov-2015 S-2
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	--	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	--	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	--	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	--	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	--	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	--	<10	--	<10
Acetone	ug/l	--	<50	<50	--	<50	--	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	--	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	--	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	--	<0.2	--	<0.2
Chloroethane	ug/l	--	<0.2	<0.2	--	<0.2	--	<0.2
Chloroform	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	--	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	--	<0.4	--	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	--	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	--	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	--	<0.5	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	--	<0.3	--	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	--	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	--	<0.4	--	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	--	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	--	<0.2	--	<0.2

Parameter	Unit	PWQO [1]	SW04-1 18-May-2016 W-8	SW04-1 16-Nov-2016 [23] 04-1	SW04-1 31-May-2017 [23] SW04-1	SW04-1 29-Nov-2017 [23] SW04-1	SW04-1 08-Jun-2018 [23] SW04-1	SW04-1 28-Nov-2018 SW-04-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	289	--	--	--	--	134
Ammonia, unionized (Field)	ug/l	20	<20	--	--	--	--	<20
Ammonia Nitrogen	ug/l	--	<25	--	--	--	--	40
Biochemical Oxygen Demand, 5 Day	ug/l	--	2000	--	--	--	--	<1000
Bromide	ug/l	--	<250	--	--	--	--	<250
Chemical Oxygen Demand	ug/l	--	20000	--	--	--	--	11000
Chloride	ug/l	--	30000	--	--	--	--	4000
Color	color unit	--	16	--	--	--	--	43
Conductivity (Field)	uS/cm	--	530	--	--	--	--	270
Cyanide	ug/l	5 [5]	<2	--	--	--	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**3.08**	--	--	--	--	**5.66**
Fluoride	ug/l	--	160	--	--	--	--	130
Hardness, Calcium Carbonate	ug/l	--	398000	--	--	--	--	142000
Nitrate as N	ug/l	--	210	--	--	--	--	<100
Nitrite as N	ug/l	--	<100	--	--	--	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	310	--	--	--	--	300
pH (Field)	-	6.5 - 8.5	7.7	--	--	--	--	7.43
Phosphate, Ortho	ug/l	--	<30	--	--	--	--	<30
Phosphorus	ug/l	-- [7]	5	--	--	--	--	13
Sulphate	ug/l	--	98000	--	--	--	--	13000
Temperature (Field)	deg c	-- [8]	12	--	--	--	--	2.9
Turbidity	ntu	-- [9]	2.8	--	--	--	--	0.8
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	--	--	--	--	30
Arsenic	ug/l	100 [11]	<1	--	--	--	--	<1
Barium	ug/l	--	140	--	--	--	--	10
Beryllium	ug/l	-- [12]	<0.5	--	--	--	--	<0.5
Boron	ug/l	200 [13]	120	--	--	--	--	<10
Cadmium	ug/l	0.2 [11]	<0.1	--	--	--	--	<0.1
Calcium	ug/l	--	123000	--	--	--	--	42000
Chromium	ug/l	-- [14]	<1	--	--	--	--	<1
Cobalt	ug/l	0.9	0.2	--	--	--	--	<0.2
Copper	ug/l	5	<1	--	--	--	--	2
Hexavalent Chromium	ug/l	1 [15]	<10	--	--	--	--	<10
Iron	ug/l	300	**980**	--	--	--	--	80
Iron, dissolved	ug/l	300	--	--	--	--	--	120
Lead	ug/l	-- [16]	<1	--	--	--	--	<1
Magnesium	ug/l	--	22000	--	--	--	--	9000
Manganese	ug/l	--	90	--	--	--	--	<10
Molybdenum	ug/l	40	<5	--	--	--	--	<5
Nickel	ug/l	25	<5	--	--	--	--	<5
Potassium	ug/l	--	3000	--	--	--	--	1000
Silver	ug/l	0.1	<0.1	--	--	--	--	<0.1
Sodium	ug/l	--	23000	--	--	--	--	2000
Strontium	ug/l	--	298	--	--	--	--	67
Thallium	ug/l	0.3 [17]	<0.1	--	--	--	--	<0.1
Titanium	ug/l	--	<10	--	--	--	--	<10
Vanadium	ug/l	6	<1	--	--	--	--	<1
Zinc	ug/l	30 [11]	<10	--	--	--	--	<10
Zirconium	ug/l	4 [13]	<2	--	--	--	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	--	--	--	--	<1

Parameter	Unit	PWQO [1]	SW04-1 18-May-2016 W-8	SW04-1 16-Nov-2016 [23] 04-1	SW04-1 31-May-2017 [23] SW04-1	SW04-1 29-Nov-2017 [23] SW04-1	SW04-1 08-Jun-2018 [23] SW04-1	SW04-1 28-Nov-2018 SW-04-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	--	--	--	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	--	--	--	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	--	--	--	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	--	--	--	--	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	--	--	--	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	--	--	--	--	<10
Acetone	ug/l	--	<30	--	--	--	--	<30
Benzene	ug/l	100 [17]	<0.5	--	--	--	--	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	--	--	--	--	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	--	--	--	--	<0.5
Chloroethane	ug/l	--	<0.2	--	--	--	--	<0.2
Chloroform	ug/l	--	<0.5	--	--	--	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2	--	--	--	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	--	--	--	<0.4
Ethylbenzene	ug/l	8	<0.5	--	--	--	--	<0.5
m,p-Xylenes	ug/l	--	<0.4	--	--	--	--	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	--	--	--	--	<4.0
o-Xylene	ug/l	40 [17]	<0.4	--	--	--	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	--	--	--	--	<0.3
Toluene	ug/l	0.8	<0.5	--	--	--	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	--	--	--	<0.4
Trichloroethene	ug/l	20	<0.3	--	--	--	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	--	--	--	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	--	--	--	--	<0.2

Parameter	Unit	PWQO [1]	SW04-1 12-Jun-2019 [23] SW04-1	SW04-1 25-Nov-2019 04-1	SW04-1 11-Jun-2020 SW04-1	SW04-1 01-Dec-2020 SW04-1	SW04-1 22-Jun-2021 SW04-1	SW04-1 2-Nov-2021 SW04-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	--	188	191	157	--	196
Ammonia, unionized (Field)	ug/l	20	--	<20	<20	<20	--	0.4
Ammonia Nitrogen	ug/l	--	--	<10	58	<10	--	75
Biochemical Oxygen Demand, 5 Day	ug/l	--	--	6000	2000	3000	--	<1000
Bromide	ug/l	--	--	<250	<250	<250	--	<250
Chemical Oxygen Demand	ug/l	--	--	10000	18000	20000	--	24000
Chloride	ug/l	--	--	3000	149000	3000	--	59000
Color	color unit	--	--	21	34	39	--	82
Conductivity (Field)	uS/cm	--	--	480	856	772	--	591
Cyanide	ug/l	5 [5]	--	<5	<5	<5	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	--	**2.11**	**4.91**	**1.40**	**--**	**--**
Fluoride	ug/l	--	--	160	<100	<100	--	<100
Hardness, Calcium Carbonate	ug/l	--	--	227000	216000	178000	--	237000
Nitrate as N	ug/l	--	--	130	210	<100	--	390
Nitrite as N	ug/l	--	--	<100	<100	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	--	500	1010	469	--	2500
pH (Field)	-	6.5 - 8.5	--	7.5	7.54	7.5	--	7.5
Phosphate, Ortho	ug/l	--	--	<10	<10	<10	--	<10
Phosphorus	ug/l	-- [7]	--	13	**60**	19	--	**33**
Sulphate	ug/l	--	--	12000	15000	17000	--	36000
Temperature (Field)	deg c	-- [8]	--	0.9	20.6	3	--	9.0
Turbidity	ntu	-- [9]	--	9.1	9.8	2.6	--	3.4
Metals								
Aluminum, dissolved	ug/l	-- [10]	--	30	<10	40	--	10
Arsenic	ug/l	100 [11]	--	<1	<1	<1	--	<1
Barium	ug/l	--	--	10	40	10	--	40
Beryllium	ug/l	-- [12]	--	<0.5	<0.5	<0.5	--	<0.5
Boron	ug/l	200 [13]	--	10	40	10	--	30
Cadmium	ug/l	0.2 [11]	--	<0.1	<0.1	<0.1	--	<0.1
Calcium	ug/l	--	--	68000	52000	53000	--	62000
Chromium	ug/l	-- [14]	--	<1	<1	<1	--	<1
Cobalt	ug/l	0.9	--	<0.2	0.3	<0.2	--	<0.2
Copper	ug/l	5	--	1	<1	3	--	1
Hexavalent Chromium	ug/l	1 [15]	--	<1	<1	<0.5	--	<0.5
Iron	ug/l	300	--	180	**940**	160	--	**420**
Iron, dissolved	ug/l	300	--	150	180	50	--	230
Lead	ug/l	-- [16]	--	<1	<1	<1	--	<1
Magnesium	ug/l	--	--	14000	21000	11000	--	20000
Manganese	ug/l	--	--	50	210	30	--	50
Molybdenum	ug/l	40	--	<5	<5	<5	--	<5
Nickel	ug/l	25	--	<5	<5	<5	--	<5
Potassium	ug/l	--	--	1000	1000	1000	--	2000
Silver	ug/l	0.1	--	<0.1	<0.1	<0.1	--	<0.1
Sodium	ug/l	--	--	3000	93000	2000	--	45000
Strontium	ug/l	--	--	103	222	76	--	205
Thallium	ug/l	0.3 [17]	--	<0.1	<0.1	<0.1	--	<0.1
Titanium	ug/l	--	--	<10	10	<10	--	<10
Vanadium	ug/l	6	--	<1	<1	<1	--	<1
Zinc	ug/l	30 [11]	--	<10	<10	<10	--	<10
Zirconium	ug/l	4 [13]	--	<2	<2	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	--	<1	<1	**2**	**--**	<1

Parameter	Unit	PWQO [1]	SW04-1 12-Jun-2019 [23] SW04-1	SW04-1 25-Nov-2019 04-1	SW04-1 11-Jun-2020 SW04-1	SW04-1 01-Dec-2020 SW04-1	SW04-1 22-Jun-2021 SW04-1	SW04-1 2-Nov-2021 SW04-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	--	<0.5	<0.5	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	--	<0.4	<0.4	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	--	<0.5	<0.5	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	--	<0.4	<0.4	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	--	<0.4	<0.4	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	--	<10	<10	<10	--	<10
Acetone	ug/l	--	--	<30	<30	<30	--	<30
Benzene	ug/l	100 [17]	--	<0.5	<0.5	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 [13]	--	<0.3	<0.3	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	--	<0.5	<0.5	<0.5	--	<0.5
Chloroethane	ug/l	--	--	<0.2	<0.2	<0.2	--	<0.2
Chloroform	ug/l	--	--	<0.5	<0.5	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	--	<0.2	<0.2	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	--	<0.4	<0.4	<0.4	--	<0.4
Ethylbenzene	ug/l	8	--	<0.5	<0.5	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	--	<0.4	<0.4	<0.4	--	<0.4
Methylene Chloride	ug/l	100 [21]	--	<4.0	<4.0	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	--	<0.4	<0.4	<0.4	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	--	<0.3	<0.3	<0.3	--	<0.3
Toluene	ug/l	0.8	--	<0.5	<0.5	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	--	<0.4	<0.4	<0.4	--	<0.4
Trichloroethene	ug/l	20	--	<0.3	<0.3	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	--	<0.5	<0.5	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	--	<0.2	<0.2	<0.2	--	<0.2

Parameter	Unit	PWQO [1]	SW-1 12-Jun-2013 W - 8	SW-1 19-Nov-2013 [27] W - 18	SW-1 26-May-2014 SW - 1	SW-1 27-Nov-2014 SW-1	SW-1 27-May-2015 W-5	SW-1 20-Nov-2015 S-10
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	224	270	252	290	272	344
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<20	<20	20	<20	40	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	<1000	<1000	1000	<1000	<1000
Bromide	ug/l	--	--	--	<250	--	--	--
Chemical Oxygen Demand	ug/l	--	11000	<5000	<5000	52000	<5000	22000
Chloride	ug/l	--	1000	2000	2000	4000	3000	2000
Color	color unit	--	7	3	2	2	4	3
Conductivity (Field)	uS/cm	--	410	395	443	531	440	405
Dissolved Oxygen (Field)	mg/l	-- [6]	10.49	12.29	10.10	9.83	10.31	9.78
Hardness, Calcium Carbonate	ug/l	--	237000	308000	264000	331000	305000	369000
Nitrogen, Total Kjeldahl	ug/l	--	200	120	<100	<100	280	240
pH (Field)	-	6.5 - 8.5	7.5	7.7	7.94	8.01	7.8	7.8
Phosphate, Ortho	ug/l	--	--	--	--	--	--	--
Phosphorus	ug/l	-- [7]	--	--	--	--	--	--
Sulphate	ug/l	--	--	--	7000	--	--	--
Temperature (Field)	deg c	-- [8]	14	4	10.9	5.4	11	5
Turbidity	ntu	-- [9]	0.3	0.6	0.4	0.3	7.7	1.6
Metals								
Boron	ug/l	200 [13]	<10	<10	<10	<10	<10	<10
Calcium	ug/l	--	62000	77000	66000	83000	76000	90000
Iron	ug/l	300	<30	<30	<30	<30	**1380**	240
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Magnesium	ug/l	--	20000	28000	24000	30000	28000	35000
Potassium	ug/l	--	<1000	<1000	<1000	<1000	<1000	<1000
Sodium	ug/l	--	<2000	<2000	<2000	<2000	<2000	<2000
Strontium	ug/l	--	49	51	45	57	45	66
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	--	--	--	<1	--	--

Parameter	Unit	PWQO [1]	SW-1 18-May-2016 W-13	SW-1 16-Nov-2016 1	SW-1 31-May-2017 W-10	SW-1 29-Nov-2017 SW 1	SW-1 08-Jun-2018 [27] SW-1	SW-1 28-Nov-2018 SW-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	274	291	240	243	257	216
Ammonia, unionized (Field)	ug/l	20	<20	<20	20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<25	80	<20	<20	<20	40
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	<1000	<1000	<1000	<1000	<1000
Bromide	ug/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	7000	<5000	15000	<5000	<5000	<5000
Chloride	ug/l	--	2000	2000	1000	1000	<1000	1000
Color	color unit	--	8	7	2	2	2	5
Conductivity (Field)	uS/cm	--	390	494	360	335	460	381
Dissolved Oxygen (Field)	mg/l	-- [6]	7.49	7.22	6.89	7.77	9.94	9.77
Hardness, Calcium Carbonate	ug/l	--	289000	322000	255000	260000	258000	216000
Nitrogen, Total Kjeldahl	ug/l	--	160	<800	<800	<800	200	<100
pH (Field)	-	6.5 - 8.5	7.7	7.03	7.6	7.7	8.0	7.8
Phosphate, Ortho	ug/l	--	--	--	--	--	--	--
Phosphorus	ug/l	-- [7]	--	--	--	**170**	--	--
Sulphate	ug/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	11	10.01	10	3.9	12.6	3.1
Turbidity	ntu	-- [9]	1.0	0.7	0.9	0.4	4.4	0.7
Metals								
Boron	ug/l	200 [13]	<10	<10	<10	<10	<10	<10
Calcium	ug/l	--	76000	81000	66000	68000	67000	57000
Iron	ug/l	300	<30	<30	<30	30	50	<30
Iron, dissolved	ug/l	300	--	--	--	<30	<30	<30
Magnesium	ug/l	--	24000	29000	22000	22000	22000	18000
Potassium	ug/l	--	<1000	<1000	<1000	<1000	<1000	<1000
Sodium	ug/l	--	<2000	<2000	<2000	<2000	<2000	<2000
Strontium	ug/l	--	54	59	42	42	44	43
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	--	--	--	--	--	--

Parameter	Unit	PWQO [1]	SW-1 13-Jun-2019 SW-1	SW-1 25-Nov-2019 SW-1	SW-1 11-Jun-2020 [23] SW-1	SW-1 01-Dec-2020 SW-1	SW-1 22-Jun-2021 SW-1	SW-1 3-Nov-2021 SW-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	245	235	--	272	--	279
Ammonia, unionized (Field)	ug/l	20	<20	<20	--	<20	--	0.06
Ammonia Nitrogen	ug/l	--	<10	<10	--	<10	--	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	4000	--	4000	--	<1000
Bromide	ug/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	<5000	<5000	--	<5000	--	<5000
Chloride	ug/l	--	4000	<1000	--	<1000	--	1000
Color	color unit	--	<2	2	--	3	--	6
Conductivity (Field)	uS/cm	--	410	335	--	399	--	509
Dissolved Oxygen (Field)	mg/l	-- [6]	8.90	9.99	--	**5.92**	**--**	**--**
Hardness, Calcium Carbonate	ug/l	--	234000	279000	--	281000	--	301000
Nitrogen, Total Kjeldahl	ug/l	--	<150	100	--	209	--	286
pH (Field)	-	6.5 - 8.5	7.8	7.7	--	7.41	--	7.5
Phosphate, Ortho	ug/l	--	--	<10	--	--	--	--
Phosphorus	ug/l	-- [7]	--	--	--	--	--	--
Sulphate	ug/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	13.1	1.2	--	4	--	9.6
Turbidity	ntu	-- [9]	0.9	1.1	--	3.4	--	0.8
Metals								
Boron	ug/l	200 [13]	<10	<10	--	20	--	<10
Calcium	ug/l	--	59000	72000	--	73000	--	76000
Iron	ug/l	300	<30	<30	--	40	--	<30
Iron, dissolved	ug/l	300	<30	<30	--	<30	--	<30
Magnesium	ug/l	--	21000	24000	--	24000	--	27000
Potassium	ug/l	--	<1000	<1000	--	<1000	--	<1000
Sodium	ug/l	--	<2000	<2000	--	<2000	--	<2000
Strontium	ug/l	--	46	45	--	50	--	56
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	--	--	--	--	--	--

Parameter	Unit	PWQO [1]	SW-100 28-Nov-2018 SW-100	SW-100 12-Jun-2019 DITCH	SW-100 25-Nov-2019 DITCH	SW-100 11-Jun-2020 [23] DITCH	SW-100 01-Dec-2020 DITCH	SW-100 22-Jun-2021 DITCH
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	283	177	170	--	330	--
Ammonia, unionized (Field)	ug/l	20	<20	--	<20	--	<20	--
Ammonia Nitrogen	ug/l	--	550	82	93	--	1020	--
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	1000	5000	--	5000	--
Bromide	ug/l	--	--	--	<250	--	--	--
Chemical Oxygen Demand	ug/l	--	11000	<5000	7000	52000	18000	--
Chloride	ug/l	--	18000	9000	7000	--	22000	--
Color	color unit	--	17	15	15	--	15	--
Conductivity (Field)	uS/cm	--	688	488	699	--	720	--
Cyanide	ug/l	5 [5]	--	--	<5	--	--	--
Dissolved Oxygen (Field)	mg/l	-- [6]	**3.01**	**3.39**	**2.99**	--	**2.66**	**--**
Fluoride	ug/l	--	--	--	100	--	--	--
Hardness, Calcium Carbonate	ug/l	--	340000	166000	203000	--	367000	--
Nitrate as N	ug/l	--	--	--	<100	--	--	--
Nitrite as N	ug/l	--	--	--	<100	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	1000	390	400	--	1380	--
pH (Field)	-	6.5 - 8.5	7.36	7.3	7.6	--	6.9	--
Phosphate, Ortho	ug/l	--	--	--	<10	--	--	--
Phosphorus	ug/l	-- [7]	--	--	12	--	--	--
Sulphate	ug/l	--	--	--	7000	--	--	--
Temperature (Field)	deg c	-- [8]	3.1	13	1.3	--	3	--
Turbidity	NTU	-- [9]	16.2	3.1	2.8	--	38.1	--
Metals								
Aluminum, dissolved	ug/l	-- [10]	--	--	<10	--	--	--
Arsenic	ug/l	100 [11]	--	--	<1	--	--	--
Barium	ug/l	--	--	--	20	--	--	--
Beryllium	ug/l	-- [12]	--	--	<0.5	--	--	--
Boron	ug/l	200 [13]	60	10	10	--	100	--
Cadmium	ug/l	0.2 [11]	--	--	<0.1	--	--	--
Calcium	ug/l	--	100000	40000	50000	--	109000	--
Chromium	ug/l	-- [14]	--	--	<1	--	--	--
Cobalt	ug/l	0.9	--	--	<0.2	--	--	--
Copper	ug/l	5	--	--	<1	--	--	--
Iron	ug/l	300	**4870**	**740**	**630**	--	**6280**	**--**
Iron, dissolved	ug/l	300	**2510**	**510**	**460**	--	40	--
Lead	ug/l	-- [16]	--	--	<1	--	--	--
Magnesium	ug/l	--	22000	16000	19000	--	23000	--
Manganese	ug/l	--	--	--	50	--	--	--
Molybdenum	ug/l	40	--	--	<5	--	--	--
Nickel	ug/l	25	--	--	<5	--	--	--
Potassium	ug/l	--	3000	<1000	<1000	--	3000	--
Silver	ug/l	0.1	--	--	<0.1	--	--	--
Sodium	ug/l	--	11000	3000	4000	--	14000	--
Strontium	ug/l	--	233	72	72	--	249	--
Thallium	ug/l	0.3 [17]	--	--	<0.1	--	--	--
Titanium	ug/l	--	--	--	<10	--	--	--
Vanadium	ug/l	6	--	--	<1	--	--	--
Zinc	ug/l	30 [11]	--	--	<10	--	--	--
Zirconium	ug/l	4 [13]	--	--	<2	--	--	--

Parameter	Unit	PWQO [1]	SW-100 2-Nov-2021 DITCH
General Chemistry			
Alkalinity (Total as CaCO3)	mg/l	-- [4]	465
Ammonia, unionized (Field)	ug/l	20	1.3
Ammonia Nitrogen	ug/l	--	0.00244
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000
Bromide	ug/l	--	--
Chemical Oxygen Demand	ug/l	--	22000
Chloride	ug/l	--	48000
Color	color unit	--	13000
Conductivity (Field)	uS/cm	--	973
Cyanide	ug/l	5 [5]	--
Dissolved Oxygen (Field)	mg/l	-- [6]	**--**
Fluoride	ug/l	--	--
Hardness, Calcium Carbonate	ug/l	--	520000
Nitrate as N	ug/l	--	--
Nitrite as N	ug/l	--	--
Nitrogen, Total Kjeldahl	ug/l	--	0.00285
pH (Field)	-	6.5 - 8.5	6.8
Phosphate, Ortho	ug/l	--	--
Phosphorus	ug/l	-- [7]	--
Sulphate	ug/l	--	--
Temperature (Field)	deg c	-- [8]	11.3
Turbidity	NTU	-- [9]	2.7
Metals			
Aluminum, dissolved	ug/l	-- [10]	--
Arsenic	ug/l	100 [11]	--
Barium	ug/l	--	--
Beryllium	ug/l	-- [12]	--
Boron	ug/l	200 [13]	**210**
Cadmium	ug/l	0.2 [11]	--
Calcium	ug/l	--	152000
Chromium	ug/l	-- [14]	--
Cobalt	ug/l	0.9	--
Copper	ug/l	5	--
Iron	ug/l	300	**23600**
Iron, dissolved	ug/l	300	**22300**
Lead	ug/l	-- [16]	--
Magnesium	ug/l	--	34000
Manganese	ug/l	--	--
Molybdenum	ug/l	40	--
Nickel	ug/l	25	--
Potassium	ug/l	--	3000
Silver	ug/l	0.1	--
Sodium	ug/l	--	27000
Strontium	ug/l	--	417
Thallium	ug/l	0.3 [17]	--
Titanium	ug/l	--	--
Vanadium	ug/l	6	--
Zinc	ug/l	30 [11]	--
Zirconium	ug/l	4 [13]	--

Parameter	Unit	PWQO [1]	SW-2 12-Jun-2013 W - 9	SW-2 20-Nov-2013 [2] W - 14	SW-2 26-May-2014 SW - 2	SW-2 27-Nov-2014 [28] SW-2	SW-2 27-May-2015 [3] W-6	SW-2 20-Nov-2015 S-9
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	224	187	238	187	273	329
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<20	<20	120	<20	100	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	<1000	<1000	2000	1000	<1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	<5000	6000	10000	52000	8000	9000
Chloride	ug/l	--	1000	12000	13000	16000	3000	2000
Color	color unit	--	7	24	33	29	4	51
Conductivity (Field)	uS/cm	--	520	480	446	417	430	415
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	9.81	12.88	**4.53**	10.73	6.01	8.84
Fluoride	ug/l	--	<100	<100	<100	<100	<100	<100
Hardness, Calcium Carbonate	ug/l	--	237000	207000	236000	214000	303000	360000
Nitrate as N	ug/l	--	200	<100	<100	<100	<100	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	210	190	360	220	280	150
pH (Field)	-	6.5 - 8.5	7.4	7.5	7.73	8.24	7.7	7.6
Phosphate, Ortho	ug/l	--	<30	<90	<30	<30	<30	<30
Phosphorus	ug/l	-- [7]	<10	10	**50**	20	20	**<50**
Sulphate	ug/l	--	8000	11000	2000	11000	8000	14000
Temperature (Field)	deg c	-- [8]	15	5	14.9	0.8	12	4
Turbidity	ntu	-- [9]	0.2	0.6	2.2	1.3	1.8	0.3
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	<10	<10	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	10	20	30	20	20	20
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	<10	<10	<10	<10	<10	<10
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
Calcium	ug/l	--	62000	55000	63000	56000	75000	88000
Chromium	ug/l	-- [14]	1	2	<1	<1	1	<1
Cobalt	ug/l	0.9	<0.2	<0.2	<0.2	<0.2	0.5	<0.2
Copper	ug/l	5	<1	<1	<1	<1	3	<1
Hexavalent Chromium	ug/l	1 [15]	<0.5	0.26	<10	<10	<10	<1
Iron	ug/l	300	<30	30	180	40	**1200**	70
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	-- [16]	<1	<1	<1	<1	1	<1
Magnesium	ug/l	--	20000	17000	19000	18000	28000	34000
Manganese	ug/l	--	10	<10	170	<10	370	60
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	ug/l	--	<1000	1000	<1000	1000	<1000	<1000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	<2000	10000	11000	11000	<2000	<2000
Strontium	ug/l	--	47	146	153	181	48	63
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	2	1	<1	<1	1	<1
Zinc	ug/l	30 [11]	<10	<10	<10	<10	20	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	<1	<1	<1	<1

Parameter	Unit	PWQO [1]	SW-2 18-May-2016 W-14	SW-2 16-Nov-2016 2	SW-2 31-May-2017 W-11	SW-2 29-Nov-2017 SW 2	SW-2 08-Jun-2018 SW-2	SW-2 28-Nov-2018 SW-2
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--[4]	228	295	239	252	262	231
Ammonia, unionized (Field)	ug/l	20	<20	<20	20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	124	<50	70	<20	230	110
Biochemical Oxygen Demand, 5 Day	ug/l	--	1000	<1000	<1000	1000	<1000	<1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	7000	<5000	12000	<5000	<5000	<5000
Chloride	ug/l	--	1000	2000	1000	1000	1000	1000
Color	color unit	--	8	14	3	4	3	9
Conductivity (Field)	uS/cm	--	520	463	478	429	458	299
Cyanide	ug/l	5[5]	<2	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[6]	6.36	7.13	10.62	10.88	9.99	9.97
Fluoride	ug/l	--	<100	<100	<100	<100	<100	<100
Hardness, Calcium Carbonate	ug/l	--	240000	317000	253000	255000	253000	227000
Nitrate as N	ug/l	--	<100	<100	<100	0.15	<100	320
Nitrite as N	ug/l	--	<100	<100	<100	<0.10	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	190	<800	<800	<800	400	<100
pH (Field)	-	6.5 - 8.5	7.8	7.2	7.8	7.8	7.8	7.8
Phosphate, Ortho	ug/l	--	<30	<100	<30	120	<30	<30
Phosphorus	ug/l	--[7]	9	<30	<10	30	18	7
Sulphate	ug/l	--	8000	21000	5000	7000	5000	15000
Temperature (Field)	deg c	--[8]	13	9.66	10	3.7	13	2.9
Turbidity	ntu	--[9]	1.9	0.2	0.4	0.2	1.6	0.6
Metals								
Aluminum, dissolved	ug/l	--[10]	<10	<10	<10	<10	<10	<10
Arsenic	ug/l	100[11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	10	20	10	20	20	10
Beryllium	ug/l	--[12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200[13]	<10	<10	<10	<10	<10	<10
Cadmium	ug/l	0.2[11]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	60000	79000	65000	66000	65000	58000
Chromium	ug/l	--[14]	<1	<1	<1	<1	<1	<1
Cobalt	ug/l	0.9	<0.2	<0.2	<0.2	<0.2	0.4	<0.2
Copper	ug/l	5	<1	<1	<1	<1	<1	<1
Hexavalent Chromium	ug/l	1[15]	<10	<10	<1	<1	<10	<10
Iron	ug/l	300	40	<30	<30	30	170	<30
Iron, dissolved	ug/l	300	--	--	--	<30	30	<30
Lead	ug/l	--[16]	<1	<1	<1	<1	<1	<1
Magnesium	ug/l	--	22000	29000	22000	22000	22000	20000
Manganese	ug/l	--	<10	<10	20	20	60	<10
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	ug/l	--	<1000	<1000	<1000	<1000	<1000	<1000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	<2000	<2000	<2000	<2000	<2000	<2000
Strontium	ug/l	--	49	54	40	46	43	42
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<1	<1	<1	<1	<1	<1
Zinc	ug/l	30[11]	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4[13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1[18]	<1	<1	<1	1	<1	<1

Parameter	Unit	PWQO [1]	SW-2 18-May-2016 W-14	SW-2 16-Nov-2016 2	SW-2 31-May-2017 W-11	SW-2 29-Nov-2017 SW 2	SW-2 08-Jun-2018 SW-2	SW-2 28-Nov-2018 SW-2
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	--	<0.5	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	<0.4	--	--	--	--
1,1-Dichloroethylene	ug/l	40	--	<0.5	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	<0.4	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	<0.4	--	--	--	--
Methyl Ethyl Ketone	ug/l	400 [13]	--	<10	--	--	--	--
Acetone	ug/l	--	--	<30	--	--	--	--
Benzene	ug/l	100 [17]	--	<0.5	--	--	--	--
Bromodichloromethane	ug/l	200 [13]	--	<0.3	--	--	--	--
Chlorobenzene	ug/l	15 [19]	--	<0.2	--	--	--	--
Chloroethane	ug/l	--	--	<0.2	--	--	--	--
Chloroform	ug/l	--	--	<0.5	--	--	--	--
Chloromethane	ug/l	700 [13]	--	<0.2	--	--	--	--
cis-1,2-Dichloroethene	ug/l	200 [20]	--	<0.4	--	--	--	--
Ethylbenzene	ug/l	8	--	<0.5	--	--	--	--
m,p-Xylenes	ug/l	--	--	<0.4	--	--	--	--
Methylene Chloride	ug/l	100 [21]	--	<4.0	--	--	--	--
o-Xylene	ug/l	40 [17]	--	<0.4	--	--	--	--
Tetrachloroethylene	ug/l	50 [22]	--	<0.3	--	--	--	--
Toluene	ug/l	0.8	--	0.7	--	--	--	--
trans-1,2-Dichloroethene	ug/l	200 [20]	--	<0.4	--	--	--	--
Trichloroethene	ug/l	20	--	<0.3	--	--	--	--
Trichlorofluoromethane	ug/l	--	--	<0.5	--	--	--	--
Vinyl Chloride	ug/l	600 [13]	--	<0.2	--	--	--	--

Parameter	Unit	PWQO [1]	SW-2 13-Jun-2019 SW-2	SW-2 25-Nov-2019 SW-2	SW-2 11-Jun-2020 SW-2	SW-2 01-Dec-2020 SW-2	SW-2 22-Jun-2021 SW-2	SW-2 3-Nov-2021 SW-2
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--[4]	242	223	277	251	--	227
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	--	0.04
Ammonia Nitrogen	ug/l	--	24	54	112	<10	--	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	1000	2000	3000	--	<1000
Bromide	ug/l	--	<250	<250	<250	<250	--	<250
Chemical Oxygen Demand	ug/l	--	<5000	<5000	15000	5000	--	5000
Chloride	ug/l	--	3000	<1000	16000	<1000	--	15000
Color	color unit	--	<2	3	20	8	--	28
Conductivity (Field)	uS/cm	--	429	385	592	408	--	467
Cyanide	ug/l	5[5]	<5	<5	<5	<5	--	<5
Dissolved Oxygen (Field)	mg/l	--[6]	9.33	10.44	**2.77**	**6.72**	**--**	**--**
Fluoride	ug/l	--	<100	100	<100	<100	--	<100
Hardness, Calcium Carbonate	ug/l	--	234000	285000	264000	279000	--	237000
Nitrate as N	ug/l	--	<100	<100	<100	330	--	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	170	<100	1030	357	--	374
pH (Field)	-	6.5 - 8.5	7.6	7.8	**6.05**	7.35	--	7.6
Phosphate, Ortho	ug/l	--	<9.2	<10	<10	<10	--	<10
Phosphorus	ug/l	--[7]	10	6	**47**	10	--	16
Sulphate	ug/l	--	3000	20000	<1000	23000	--	2000
Temperature (Field)	deg c	--[8]	12.5	1.1	19.3	5	--	3.9
Turbidity	ntu	--[9]	0.7	0.4	1.8	1.2	--	1.3
Metals								
Aluminum, dissolved	ug/l	--[10]	<10	<10	<10	<10	--	<10
Arsenic	ug/l	100[11]	<1	<1	<1	<1	--	<1
Barium	ug/l	--	20	10	30	20	--	20
Beryllium	ug/l	--[12]	<0.5	<0.5	<0.5	<0.5	--	<0.5
Boron	ug/l	200[13]	<10	<10	<10	<10	--	<10
Cadmium	ug/l	0.2[11]	<0.1	<0.1	<0.1	<0.1	--	<0.1
Calcium	ug/l	--	59000	73000	71000	72000	--	62000
Chromium	ug/l	--[14]	<1	<1	<1	<1	--	<1
Cobalt	ug/l	0.9	<0.2	<0.2	0.4	<0.2	--	<0.2
Copper	ug/l	5	<1	<1	<1	1	--	<1
Hexavalent Chromium	ug/l	1[15]	<1	<1	<1	<0.5	--	0.5
Iron	ug/l	300	40	<30	**430**	30	--	100
Iron, dissolved	ug/l	300	<30	<30	240	<30	--	50
Lead	ug/l	--[16]	<1	<1	<1	<1	--	<!
Magnesium	ug/l	--	21000	25000	21000	24000	--	20000
Manganese	ug/l	--	20	<10	1160	<10	--	10
Molybdenum	ug/l	40	<5	<5	<5	<5	--	<5
Nickel	ug/l	25	<5	<5	<5	<5	--	<5
Potassium	ug/l	--	<1000	<1000	1000	<1000	--	2000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1
Sodium	ug/l	--	<2000	<2000	13000	<2000	--	11000
Strontium	ug/l	--	44	43	287	45	--	366
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	--	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	--	<10
Vanadium	ug/l	6	<1	<1	<1	<1	--	<1
Zinc	ug/l	30[11]	<10	<10	<10	<10	--	<10
Zirconium	ug/l	4[13]	<2	<2	3	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1[18]	<1	<1	<1	<1	--	<1

Parameter	Unit	PWQO [1]	SW-3 12-Jun-2013 W - 11	SW-3 19-Nov-2013 [27] W - 17	SW-3 26-May-2014 SW - 3	SW-3 27-Nov-2014 SW-3	SW-3 27-May-2015 W-3	SW-3 20-Nov-2015 S-8
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	218	271	354	362	312	267
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<20	<20	90	60	70	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	2000	<1000	<1000	3000	2000	<1000
Bromide	ug/l	--	--	--	<250	--	--	--
Chemical Oxygen Demand	ug/l	--	5000	13000	35000	52000	32000	17000
Chloride	ug/l	--	2000	5000	2000	22000	36000	15000
Color	color unit	--	32	36	47	66	90	32
Conductivity (Field)	uS/cm	--	414	455	611	713	599	395
Dissolved Oxygen (Field)	mg/l	-- [6]	6.19	10.88	**2.60**	**4.41**	**2.59**	**3.11**
Hardness, Calcium Carbonate	ug/l	--	226000	318000	352000	385000	340000	289000
Nitrogen, Total Kjeldahl	ug/l	--	220	770	1140	1430	400	380
pH (Field)	-	6.5 - 8.5	7.2	7.4	7.26	8.12	7.3	7.5
Phosphorus	ug/l	-- [7]	--	--	--	--	--	--
Sulphate	ug/l	--	--	--	1000	--	--	--
Temperature (Field)	deg c	-- [8]	18	5	13.9	0.2	14	6
Turbidity	ntu	-- [9]	0.7	1.8	8.6	8.1	8.5	0.4
Metals								
Boron	ug/l	200 [13]	20	40	60	100	10	<10
Calcium	ug/l	--	59000	81000	93000	98000	90000	73000
Iron	ug/l	300	140	180	**2210**	150	**6090**	100
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Magnesium	ug/l	--	19000	28000	29000	34000	28000	26000
Potassium	ug/l	--	1000	2000	<1000	12000	<1000	<1000
Sodium	ug/l	--	2000	3000	8000	17000	22000	11000
Strontium	ug/l	--	84	118	140	215	238	178
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	--	--	--	<1	--	--

Parameter	Unit	PWQO [1]	SW-3 18-May-2016 W-11	SW-3 16-Nov-2016 3	SW-3 31-May-2017 W-8	SW-3 29-Nov-2017 SW 3	SW-3 08-Jun-2018 SW-3	SW-3 28-Nov-2018 SW-3
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	287	115	212	214	254	157
Ammonia, unionized (Field)	ug/l	20	<20	<20	20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<25	160	<20	<20	<20	40
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	<1000	<1000	1000	<1000	2000
Bromide	ug/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	19000	50000	17000	<5000	12000	<5000
Chloride	ug/l	--	2000	22000	17000	13000	19000	12000
Color	color unit	--	28	103	43	18	55	44
Conductivity (Field)	uS/cm	--	610	455	580	590	600	333
Dissolved Oxygen (Field)	mg/l	-- [6]	6.99	**2.93**	**5.24**	**6.99**	6.33	**7.41**
Hardness, Calcium Carbonate	ug/l	--	284000	361000	226000	228000	246000	174000
Nitrogen, Total Kjeldahl	ug/l	--	500	2300	<800	<800	400	200
pH (Field)	-	6.5 - 8.5	7.6	7.1	7.7	7.6	7.5	7.7
Phosphorus	ug/l	-- [7]	--	--	--	**200**	--	--
Sulphate	ug/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	11	8.2	13	4.0	14	2.9
Turbidity	ntu	-- [9]	2.2	1.0	0.8	0.5	3.8	1.4
Metals								
Boron	ug/l	200 [13]	10	140	<10	<10	<10	<10
Calcium	ug/l	--	74000	95000	61000	60000	67000	45000
Iron	ug/l	300	**430**	**3170**	**400**	60	**1460**	100
Iron, dissolved	ug/l	300	--	--	--	40	**980**	50
Magnesium	ug/l	--	24000	30000	18000	19000	19000	15000
Potassium	ug/l	--	<1000	2000	<1000	<1000	<1000	1000
Sodium	ug/l	--	<2000	13000	16000	9000	13000	8000
Strontium	ug/l	--	92	187	141	125	178	78
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	--	--	--	--	--	--

Parameter	Unit	PWQO [1]	SW-3 13-Jun-2019 SW-3	SW-3 25-Nov-2019 SW-3	SW-3 11-Jun-2020 [23] SW-3	SW-3 01-Dec-2020 SW-3	SW-3 22-Jun-2021 SW-3	SW-3 3-Nov-2021 SW-3
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	215	210	--	197	--	244
Ammonia, unionized (Field)	ug/l	20	<20	<20	--	<20	--	0.8
Ammonia Nitrogen	ug/l	--	74	<10	--	<10	--	152
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	3000	--	4000	--	<1000
Bromide	ug/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	<5000	5000	--	25000	--	58000
Chloride	ug/l	--	20000	14000	--	8000	--	28000
Color	color unit	--	39	25	--	14	--	86
Conductivity (Field)	uS/cm	--	555	425	--	694	--	614
Dissolved Oxygen (Field)	mg/l	-- [6]	**4.98**	**5.01**	--	**5.02**	**--**	**--**
Hardness, Calcium Carbonate	ug/l	--	205000	251000	--	218000	--	298000
Nitrogen, Total Kjeldahl	ug/l	--	380	300	--	517	--	2270
pH (Field)	-	6.5 - 8.5	7.5	7.6	--	7.6	--	7.7
Phosphorus	ug/l	-- [7]	--	--	--	--	--	--
Sulphate	ug/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	14.5	1.0	--	4	--	3.2
Turbidity	ntu	-- [9]	1.0	0.4	--	1.5	--	2.8
Metals								
Boron	ug/l	200 [13]	<10	<10	--	20	--	170
Calcium	ug/l	--	54000	66000	--	56000	--	88000
Iron	ug/l	300	**350**	60	--	200	--	**770**
Iron, dissolved	ug/l	300	220	40	--	120	--	140
Magnesium	ug/l	--	17000	21000	--	19000	--	19000
Potassium	ug/l	--	<1000	<1000	--	2000	--	16000
Sodium	ug/l	--	12000	12000	--	5000	--	16000
Strontium	ug/l	--	157	135	--	103	--	218
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	--	--	--	--	--	--

Parameter	Unit	PWQO [1]	SW-5 12-Jun-2013 W - 13	SW-5 19-Nov-2013 [2] W - 4	SW-5 26-May-2014 SW 98-1	SW-5 27-Nov-2014 SW-5	SW-5 27-May-2015 [3] W-1
General Chemistry							
Alkalinity (Total as CaCO3)	mg/l	-- [4]	170	228	261	277	290
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<20	40	180	20	50
Biochemical Oxygen Demand, 5 Day	ug/l	--	1000	<1000	1000	2000	2000
Bromide	ug/l	--	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	13000	13000	22000	52000	27000
Chloride	ug/l	--	11000	15000	20000	18000	56000
Color	color unit	--	44	36	41	42	47
Conductivity (Field)	uS/cm	--	608	625	537	566	555
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	11.09	13.10	**4.15**	**7.81**	**4.22**
Fluoride	ug/l	--	<100	<100	100	<100	140
Hardness, Calcium Carbonate	ug/l	--	179000	270000	268000	293000	330000
Nitrate as N	ug/l	--	<100	<100	<100	<100	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	420	350	800	400	1360
pH (Field)	-	6.5 - 8.5	7.7	7.8	8.00	8.14	7.8
Phosphate, Ortho	ug/l	--	<30	<90	<30	<30	<30
Phosphorus	ug/l	-- [7]	20	10	**50**	10	**50**
Sulphate	ug/l	--	7000	13000	6000	15000	8000
Temperature (Field)	deg c	-- [8]	19	5	22.7	0.5	16
Turbidity	ntu	-- [9]	1.6	0.6	4.4	2.2	8.6
Metals							
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	<10	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	<1
Barium	ug/l	--	20	30	50	20	50
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	<10	10	20	10	30
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	47000	70000	71000	76000	86000
Chromium	ug/l	-- [14]	<1	3	<1	<1	<1
Cobalt	ug/l	0.9	<0.2	<0.2	0.2	<0.2	0.5
Copper	ug/l	5	<1	<1	<1	<1	<1
Hexavalent Chromium	ug/l	1 [15]	<0.5	0.21	<10	<10	<10
Iron	ug/l	300	180	270	**950**	240	**2540**
Iron, dissolved	ug/l	300	--	--	--	--	--
Lead	ug/l	-- [16]	<1	<1	<1	<1	<1
Magnesium	ug/l	--	15000	23000	22000	25000	28000
Manganese	ug/l	--	10	20	80	20	580
Molybdenum	ug/l	40	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5
Potassium	ug/l	--	<1000	1000	<1000	1000	1000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	8000	12000	16000	12000	34000
Strontium	ug/l	--	114	159	170	179	266
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10
Vanadium	ug/l	6	1	2	<1	<1	<1
Zinc	ug/l	30 [11]	<10	<10	<10	<10	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2
Phenols							
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	<1	<1	<1

Parameter	Unit	PWQO [1]	SW-5 12-Jun-2013 W - 13	SW-5 19-Nov-2013 [2] W - 4	SW-5 26-May-2014 SW 98-1	SW-5 27-Nov-2014 SW-5	SW-5 27-May-2015 [3] W-1
VOCs							
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10
Acetone	ug/l	--	<50	<50	<50	<50	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	<0.5	<0.5	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW-5 20-Nov-2015 S-6	SW-5 18-May-2016 W-10	SW-5 16-Nov-2016 5	SW-5 31-May-2017 W-7	SW-5 29-Nov-2017 SW 5
General Chemistry							
Alkalinity (Total as CaCO3)	mg/l	-- [4]	273	283	155	192	227
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	20	<20
Ammonia Nitrogen	ug/l	--	<25	342	400	70	90
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	1000	2000	1000	<1000
Bromide	ug/l	--	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	20000	21000	49000	17000	<5000
Chloride	ug/l	--	24000	26000	28000	14000	15000
Color	color unit	--	32	28	87	24	15
Conductivity (Field)	uS/cm	--	580	600	710	630	570
Cyanide	ug/l	5 [5]	<5	<2	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**5.86**	7.11	**4.81**	7.21	9.78
Fluoride	ug/l	--	<100	120	<100	<100	<100
Hardness, Calcium Carbonate	ug/l	--	299000	288000	383000	210000	245000
Nitrate as N	ug/l	--	<100	<100	<100	<100	0.17
Nitrite as N	ug/l	--	<100	<100	<100	<100	<0.10
Nitrogen, Total Kjeldahl	ug/l	--	370	480	2000	<800	<800
pH (Field)	-	6.5 - 8.5	7.7	7.7	6.88	7.6	7.6
Phosphate, Ortho	ug/l	--	<30	<30	<100	<30	<30
Phosphorus	ug/l	-- [7]	**<50**	11	**70**	<10	10
Sulphate	ug/l	--	14000	7000	213000	7000	10000
Temperature (Field)	deg c	-- [8]	3	12	9.36	12	3.8
Turbidity	ntu	-- [9]	0.4	2.7	1.6	1.4	0.7
Metals							
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	<10	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	<1
Barium	ug/l	--	30	50	50	30	30
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	10	30	40	20	20
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	77000	79000	104000	56000	65000
Chromium	ug/l	-- [14]	<1	<1	<1	<1	<1
Cobalt	ug/l	0.9	<0.2	<0.2	0.3	<0.2	<0.2
Copper	ug/l	5	<1	<1	3	<1	<1
Hexavalent Chromium	ug/l	1 [15]	<1	<10	<10	<1	<1
Iron	ug/l	300	150	**420**	**480**	300	140
Iron, dissolved	ug/l	300	--	--	--	--	60
Lead	ug/l	-- [16]	<1	<1	<1	<1	<1
Magnesium	ug/l	--	26000	22000	30000	17000	20000
Manganese	ug/l	--	10	80	100	50	20
Molybdenum	ug/l	40	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5
Potassium	ug/l	--	1000	<1000	2000	<1000	1000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	11000	20000	22000	9000	10000
Strontium	ug/l	--	196	240	279	106	145
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<1	<1	<1	<1	<1
Zinc	ug/l	30 [11]	<10	<10	20	<10	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2
Phenols							
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	**7**	**2**	1

Parameter	Unit	PWQO [1]	SW-5 20-Nov-2015 S-6	SW-5 18-May-2016 W-10	SW-5 16-Nov-2016 5	SW-5 31-May-2017 W-7	SW-5 29-Nov-2017 SW 5
VOCs							
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10
Acetone	ug/l	--	<30	<30	<30	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.2	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	<0.4	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW-5 08-Jun-2018 SW-5	SW-5 22-Jun-2018 SW-5	SW-5 28-Nov-2018 SW-5	SW-5 13-Jun-2019 SW-5	SW-5 25-Nov-2019 SW-5
General Chemistry							
Alkalinity (Total as CaCO3)	mg/l	-- [4]	277	249	162	213	208
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	220	90	250	352	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	4000	1000	2000	1000
Bromide	ug/l	--	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	16000	13000	7000	<5000	9000
Chloride	ug/l	--	30000	11000	22000	22000	18000
Color	color unit	--	59	36	42	35	20
Conductivity (Field)	uS/cm	--	565	690	625	540	665
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**4.83**	**3.88**	11.89	**5.21**	9.59
Fluoride	ug/l	--	<100	110	100	<100	100
Hardness, Calcium Carbonate	ug/l	--	257000	248000	188000	205000	270000
Nitrate as N	ug/l	--	<100	110	<100	<100	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	900	800	400	470	400
pH (Field)	-	6.5 - 8.5	7.85	7.1	7.7	7.8	7.5
Phosphate, Ortho	ug/l	--	<30	<30	<30	<9.2	<10
Phosphorus	ug/l	-- [7]	**58**	29	17	12	6
Sulphate	ug/l	--	7000	2000	30000	6000	19000
Temperature (Field)	deg c	-- [8]	14.8	10	3.3	15.2	2.3
Turbidity	ntu	-- [9]	2.5	3.6	5.1	2.2	0.6
Metals							
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	<10	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	<1
Barium	ug/l	--	30	40	20	30	30
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	20	20	20	20	20
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	70000	58000	49000	54000	72000
Chromium	ug/l	-- [14]	<1	<1	<1	<1	<1
Cobalt	ug/l	0.9	0.4	0.6	<0.2	<0.2	<0.2
Copper	ug/l	5	<1	<1	2	<1	<1
Hexavalent Chromium	ug/l	1 [15]	<10	<10	<10	<1	<1
Iron	ug/l	300	**1280**	**800**	140	280	90
Iron, dissolved	ug/l	300	**860**	180	40	180	70
Lead	ug/l	-- [16]	<1	<1	<1	<1	<1
Magnesium	ug/l	--	20000	25000	16000	17000	22000
Manganese	ug/l	--	190	70	20	40	<10
Molybdenum	ug/l	40	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5
Potassium	ug/l	--	<1000	<1000	1000	<1000	1000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	19000	34000	16000	14000	15000
Strontium	ug/l	--	205	235	100	156	140
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<1	<1	<1	<1	<1
Zinc	ug/l	30 [11]	<10	<10	<10	<10	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2
Phenols							
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	<1	<1	<1

Parameter	Unit	PWQO [1]	SW-5 08-Jun-2018 SW-5	SW-5 22-Jun-2018 SW-5	SW-5 28-Nov-2018 SW-5	SW-5 13-Jun-2019 SW-5	SW-5 25-Nov-2019 SW-5
VOCs							
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	--	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	--	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	--	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	--	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	--	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	--	<10	<10	<10
Acetone	ug/l	--	<30	--	<30	<30	<30
Benzene	ug/l	100 [17]	<0.5	--	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	--	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.5	--	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	<0.2	--	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	--	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	--	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	--	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.4	--	<0.4	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	--	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.4	--	<0.4	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	--	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	--	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	--	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	--	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	--	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW-5 11-Jun-2020 SW-5	SW-5 25-Jun-2020 [27] SW-5	SW-5 01-Dec-2020 SW-5	SW-5 22-Jun-2021 SW-5	SW-5 2-Nov-2021 SW-5
General Chemistry							
Alkalinity (Total as CaCO3)	mg/l	-- [4]	327	395	194	257	247
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	1.7	0.05
Ammonia Nitrogen	ug/l	--	72	237	<10	49	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	3000	4000	4000	1000	2000
Bromide	ug/l	--	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	38000	22000	25000	34000	25000
Chloride	ug/l	--	63000	165000	19000	74000	23000
Color	color unit	--	80	26	73	55	94
Conductivity (Field)	uS/cm	--	774	720	760	688	564
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**1.75**	**4.99**	**6.99**	**4.6**	**--**
Fluoride	ug/l	--	<100	130	<100	110	<100
Hardness, Calcium Carbonate	ug/l	--	320000	445000	214000	264000	297000
Nitrate as N	ug/l	--	<100	<100	<100	<100	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	1510	902	666	937	872
pH (Field)	-	6.5 - 8.5	7.78	7.3	7.69	7.9	7.5
Phosphate, Ortho	ug/l	--	<10	24	<10	43	<10
Phosphorus	ug/l	-- [7]	**97**	**98**	24	66	16
Sulphate	ug/l	--	13000	60000	20000	12000	31000
Temperature (Field)	deg c	-- [8]	19	24	3	22.1	6.9
Turbidity	ntu	-- [9]	9.2	15.9	2.0	0.5	1
Metals							
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	<10	<10
Arsenic	ug/l	100 [11]	1	1	<1	<1	<1
Barium	ug/l	--	70	80	20	80	30
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	20	60	20	20	20
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	87000	127000	56000	61000	76000
Chromium	ug/l	-- [14]	<1	<1	<1	<1	<1
Cobalt	ug/l	0.9	**1.3**	**1.1**	<0.2	<0.2	<0.2
Copper	ug/l	5	<1	<1	<1	<1	<1
Hexavalent Chromium	ug/l	1 [15]	<6	<0.50	<0.5	<0.5	<0.5
Iron	ug/l	300	**4640**	**830**	180	**420**	260
Iron, dissolved	ug/l	300	**1210**	**1000**	110	60	210
Lead	ug/l	-- [16]	<1	<1	<1	<1	<1
Magnesium	ug/l	--	25000	31000	18000	27000	26000
Manganese	ug/l	--	610	440	<10	60	20
Molybdenum	ug/l	40	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5
Potassium	ug/l	--	<1000	4000	2000	3000	2000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	46000	113000	14000	52000	19000
Strontium	ug/l	--	378	640	189	315	234
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<1	<1	<1	<1	<1
Zinc	ug/l	30 [11]	<10	<10	<10	<10	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2
Phenols							
Phenolics, Total Recoverable	ug/l	1 [18]	<1	**8**	**5**	**2**	1

Parameter	Unit	PWQO [1]	SW-5 11-Jun-2020 SW-5	SW-5 25-Jun-2020 [27] SW-5	SW-5 01-Dec-2020 SW-5	SW-5 22-Jun-2021 SW-5	SW-5 2-Nov-2021 SW-5
VOCs							
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	--	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	--	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	--	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	--	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	--	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	--	<10	<10	<10
Acetone	ug/l	--	<30	--	<30	<30	<30
Benzene	ug/l	100 [17]	<0.5	--	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	--	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.5	--	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	<0.2	--	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	--	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	--	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	--	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.4	--	<0.4	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	--	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.4	--	<0.4	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	--	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	--	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	--	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	--	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	--	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW-7 12-Jun-2013 W - 10	SW-7 19-Nov-2013 [27] W - 19	SW-7 26-May-2014 SW - 7	SW-7 27-Nov-2014 SW-7	SW-7 27-May-2015 W-4	SW-7 20-Nov-2015 S-18
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	155	177	177	195	170	195
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<20	<20	30	<20	<20	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	2000	<1000	<1000	1000	2000	3000
Bromide	ug/l	--	--	--	<250	--	--	--
Chemical Oxygen Demand	ug/l	--	15000	8000	7000	52000	12000	25000
Chloride	ug/l	--	3000	4000	3000	3000	4000	4000
Color	color unit	--	10	8	8	9	10	12
Conductivity (Field)	uS/cm	--	320	380	344	334	350	420
Dissolved Oxygen (Field)	mg/l	-- [6]	7.99	8.89	7.14	12.36	7.88	7.66
Fluoride	ug/l	--	--	--	<100	--	--	--
Hardness, Calcium Carbonate	ug/l	--	163000	193000	189000	202000	192000	215000
Nitrogen, Total Kjeldahl	ug/l	--	850	250	550	270	400	490
pH (Field)	-	6.5 - 8.5	7.4	7.6	8.27	**8.59**	8.0	8.0
Phosphorus	ug/l	-- [7]	--	--	--	--	--	--
Sulphate	ug/l	--	--	--	6000	--	--	--
Temperature (Field)	deg c	-- [8]	19	5	19.3	0.9	15	4
Turbidity	ntu	-- [9]	1.5	0.3	2.0	0.2	2.3	3.6
Metals								
Boron	ug/l	200 [13]	<10	<10	<10	<10	<10	<10
Calcium	ug/l	--	39000	46000	46000	48000	44000	50000
Iron	ug/l	300	110	90	150	80	140	260
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Magnesium	ug/l	--	16000	19000	18000	20000	20000	22000
Potassium	ug/l	--	<1000	<1000	<1000	1000	<1000	1000
Sodium	ug/l	--	2000	2000	2000	2000	<2000	<2000
Strontium	ug/l	--	64	76	58	82	64	93

Parameter	Unit	PWQO [1]	SW-7 18-May-2016 W-12	SW-7 16-Nov-2016 7	SW-7 31-May-2017 W-9	SW-7 29-Nov-2017 [29] SW 7	SW-7 08-Jun-2018 [30] SW-7	SW-7 28-Nov-2018 SW-7
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	195	153	177	180	152	162
Ammonia, unionized (Field)	ug/l	20	<20	<20	20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<25	<50	<20	<20	<20	130
Biochemical Oxygen Demand, 5 Day	ug/l	--	3000	1000	2000	<1000	<1000	2000
Bromide	ug/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	22000	14000	13000	8000	11000	<5000
Chloride	ug/l	--	4000	5000	5000	3000	5000	10000
Color	color unit	--	11	10	9	10	11	12
Conductivity (Field)	uS/cm	--	440	505	455	465	505	538
Dissolved Oxygen (Field)	mg/l	-- [6]	7.78	8.11	7.61	8.14	8.77	**5.77**
Fluoride	ug/l	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	206000	169000	181000	196000	144000	238000
Nitrogen, Total Kjeldahl	ug/l	--	650	800	<800	<800	500	300
pH (Field)	-	6.5 - 8.5	7.8	7.6	7.7	7.8	7.8	7.42
Phosphorus	ug/l	-- [7]	--	--	--	**200**	--	--
Sulphate	ug/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	12	8.4	13	2.9	14	2.4
Turbidity	ntu	-- [9]	3.7	2.2	2.7	0.8	1.1	1.3
Metals								
Boron	ug/l	200 [13]	<10	<10	<10	<10	<10	<10
Calcium	ug/l	--	53000	38000	46000	49000	33000	59000
Iron	ug/l	300	210	120	170	130	<30	210
Iron, dissolved	ug/l	300	--	--	--	<30	180	140
Magnesium	ug/l	--	18000	18000	16000	18000	15000	22000
Potassium	ug/l	--	<1000	1000	<1000	<1000	<1000	2000
Sodium	ug/l	--	2000	2000	2000	<2000	2000	3000
Strontium	ug/l	--	77	72	50	60	48	74

Parameter	Unit	PWQO [1]	SW-7 13-Jun-2019 SW-7	SW-7 25-Nov-2019 SW-7	SW-7 11-Jun-2020 SW-7	SW-7 01-Dec-2020 SW-7	SW-7 22-Jun-2021 SW-7	SW-7 2-Nov-2021 SW-7
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	150	155	156	156	158	124
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	1.1	0.3
Ammonia Nitrogen	ug/l	--	25	<10	50	<10	<10	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	1000	3000	1000	9000	<1000	<1000
Bromide	ug/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	<5000	10000	25000	30000	6000	13000
Chloride	ug/l	--	8000	5000	6000	8000	6000	6000
Color	color unit	--	8	10	8	12	10	7000
Conductivity (Field)	uS/cm	--	487	605	318	344	230	250
Dissolved Oxygen (Field)	mg/l	-- [6]	7.74	**5.12**	5.52	**6.22**	**--**	**--**
Fluoride	ug/l	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	148000	197000	159000	166000	171000	142000
Nitrogen, Total Kjeldahl	ug/l	--	330	300	994	1170	377	513
pH (Field)	-	6.5 - 8.5	7.7	7.7	**6.30**	7.0	8.3	8.3
Phosphorus	ug/l	-- [7]	--	--	--	--	--	--
Sulphate	ug/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	14.2	0.9	23.1	4	26.5	9
Turbidity	ntu	-- [9]	1.7	1.3	5.0	6.5	2.0	>100
Metals								
Boron	ug/l	200 [13]	<10	<10	<10	<10	10	<10
Calcium	ug/l	--	33000	46000	34000	40000	37000	27000
Iron	ug/l	300	140	70	**310**	**440**	160	190
Iron, dissolved	ug/l	300	50	<30	190	60	90	50
Magnesium	ug/l	--	16000	20000	18000	16000	19000	18000
Potassium	ug/l	--	<1000	<1000	<1000	1000	<1000	<1000
Sodium	ug/l	--	2000	3000	3000	4000	4000	4000
Strontium	ug/l	--	51	58	71	77	75	56

Parameter	Unit	PWQO [1]	SW-8 12-Jun-2013 W - 15	SW-8 19-Nov-2013 [27] W - 16	SW-8 26-May-2014 SW - 8	SW-8 27-Nov-2014 SW-8	SW-8 27-May-2015 W-8	SW-8 20-Nov-2015 S-5
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--[4]	173	237	250	247	230	276
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	50	30	40	40	<20	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	1000	<1000	2000	2000	1000	<1000
Bromide	ug/l	--	--	--	<250	--	--	--
Chemical Oxygen Demand	ug/l	--	16000	12000	19000	52000	17000	22000
Chloride	ug/l	--	10000	16000	21000	20000	37000	24000
Color	color unit	--	42	27	31	53	24	27
Conductivity (Field)	uS/cm	--	400	580	496	531	505	570
Dissolved Oxygen (Field)	mg/l	--[6]	7.84	12.05	5.86	10.00	6.11	7.61
Hardness, Calcium Carbonate	ug/l	--	182000	272000	260000	274000	264000	294000
Nitrogen, Total Kjeldahl	ug/l	--	380	340	700	390	380	470
pH (Field)	-	6.5 - 8.5	7.8	7.8	8.27	8.10	8.0	7.8
Phosphorus	ug/l	--[7]	--	--	--	--	--	--
Sulphate	ug/l	--	--	--	7000	--	--	--
Temperature (Field)	deg c	--[8]	20	4	21.6	1.2	16	4
Turbidity	ntu	--[9]	1.6	1.3	2.9	3.0	2.4	1.3
Metals								
Boron	ug/l	200[13]	<10	10	20	20	20	10
Calcium	ug/l	--	48000	71000	68000	72000	66000	75000
Iron	ug/l	300	160	150	**540**	270	140	160
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Magnesium	ug/l	--	15000	23000	22000	23000	24000	26000
Potassium	ug/l	--	1000	1000	<1000	2000	2000	2000
Sodium	ug/l	--	8000	15000	16000	16000	23000	16000
Strontium	ug/l	--	123	179	172	182	212	207
Phenols								
Phenolics, Total Recoverable	ug/l	1[18]	--	--	--	<1	--	--
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	<0.5	--	--	--
1,1-Dichloroethane	ug/l	200	--	--	<0.4	--	--	--
1,1-Dichloroethylene	ug/l	40	--	--	<0.5	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	<0.4	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	--	<0.4	--	--	--
Methyl Ethyl Ketone	ug/l	400[13]	--	--	<10	--	--	--
Acetone	ug/l	--	--	--	<50	--	--	--
Benzene	ug/l	100[17]	--	--	<0.5	--	--	--
Bromodichloromethane	ug/l	200[13]	--	--	<0.3	--	--	--
Chlorobenzene	ug/l	15[19]	--	--	<0.2	--	--	--
Chloroethane	ug/l	--	--	--	<0.2	--	--	--
Chloroform	ug/l	--	--	--	<0.5	--	--	--
Chloromethane	ug/l	700[13]	--	--	<0.2	--	--	--
cis-1,2-Dichloroethene	ug/l	200[20]	--	--	<0.4	--	--	--
Ethylbenzene	ug/l	8	--	--	<0.5	--	--	--
m,p-Xylenes	ug/l	--	--	--	<0.5	--	--	--
Methylene Chloride	ug/l	100[21]	--	--	<4.0	--	--	--
o-Xylene	ug/l	40[17]	--	--	<0.5	--	--	--
Tetrachloroethylene	ug/l	50[22]	--	--	<0.3	--	--	--
Toluene	ug/l	0.8	--	--	<0.5	--	--	--
trans-1,2-Dichloroethene	ug/l	200[20]	--	--	<0.4	--	--	--
Trichloroethene	ug/l	20	--	--	<0.3	--	--	--
Trichlorofluoromethane	ug/l	--	--	--	<0.5	--	--	--
Vinyl Chloride	ug/l	600[13]	--	--	<0.2	--	--	--

Parameter	Unit	PWQO [1]	SW-8 18-May-2016 W-5	SW-8 16-Nov-2016 8	SW-8 31-May-2017 W-5	SW-8 29-Nov-2017 SW 8	SW-8 08-Jun-2018 SW-8	SW-8 28-Nov-2018 SW-8
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	266	152	209	233	230	156
Ammonia, unionized (Field)	ug/l	20	<20	<20	20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<25	<50	<20	50	<20	50
Biochemical Oxygen Demand, 5 Day	ug/l	--	2000	3000	2000	1000	<1000	2000
Bromide	ug/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	24000	24000	23000	<5000	17000	<5000
Chloride	ug/l	--	26000	39000	20000	18000	28000	19000
Color	color unit	--	26	42	31	16	30	42
Conductivity (Field)	uS/cm	--	545	535	605	600	630	390
Dissolved Oxygen (Field)	mg/l	-- [6]	6.11	7.49	6.09	8.03	6.14	7.94
Hardness, Calcium Carbonate	ug/l	--	279000	311000	224000	250000	221000	179000
Nitrogen, Total Kjeldahl	ug/l	--	540	900	900	<800	600	200
pH (Field)	-	6.5 - 8.5	8.04	7.7	7.8	7.7	7.5	7.52
Phosphorus	ug/l	-- [7]	--	--	--	**170**	--	--
Sulphate	ug/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	14.1	8.1	13	3.8	15	2.3
Turbidity	ntu	-- [9]	2.5	2.3	2.8	0.6	2.8	1.9
Metals								
Boron	ug/l	200 [13]	30	50	20	10	30	10
Calcium	ug/l	--	74000	85000	60000	67000	59000	47000
Iron	ug/l	300	270	190	**500**	120	**480**	150
Iron, dissolved	ug/l	300	--	--	--	50	170	50
Magnesium	ug/l	--	23000	24000	18000	20000	18000	15000
Potassium	ug/l	--	<1000	3000	<1000	<1000	<1000	1000
Sodium	ug/l	--	20000	31000	16000	14000	18000	13000
Strontium	ug/l	--	232	270	146	167	177	102

Parameter	Unit	PWQO [1]	SW-8 13-Jun-2019 SW-8	SW-8 25-Nov-2019 SW-8	SW-8 11-Jun-2020 SW-8	SW-8 01-Dec-2020 SW-8	SW-8 22-June-2021 SW-8	SW-8 2-Nov-2021 SW-8
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	209	209	170	222	163	236
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	16.6	0.03
Ammonia Nitrogen	ug/l	--	11	<10	14	<10	184	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	1000	2000	6000	<1000	1000
Bromide	ug/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	<5000	13000	22000	23000	18000	35000
Chloride	ug/l	--	22000	18000	34000	24000	6000	26000
Color	color unit	--	34	22	32	62	39	98
Conductivity (Field)	uS/cm	--	595	505	401	488	430	558
Dissolved Oxygen (Field)	mg/l	-- [6]	**5.11**	**6.98**	9.95	7.94	6.4	--
Hardness, Calcium Carbonate	ug/l	--	200000	272000	161000	233000	174000	290000
Nitrogen, Total Kjeldahl	ug/l	--	480	300	952	669	684	692
pH (Field)	-	6.5 - 8.5	7.4	7.7	8.47	7.8	8.2	7.2
Phosphorus	ug/l	-- [7]	--	--	--	--	--	--
Sulphate	ug/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	15	0.9	23.8	4	26.4	8.6
Turbidity	ntu	-- [9]	1.5	0.8	2.4	2.4	2.7	3.0
Metals								
Boron	ug/l	200 [13]	10	20	20	20	20	20
Calcium	ug/l	--	52000	71000	28000	62000	30000	75000
Iron	ug/l	300	**320**	140	280	210	230	**350**
Iron, dissolved	ug/l	300	130	60	90	100	90	240
Magnesium	ug/l	--	17000	23000	22000	19000	24000	25000
Potassium	ug/l	--	<1000	1000	<1000	2000	<1000	2000
Sodium	ug/l	--	14000	15000	25000	18000	30000	21000
Strontium	ug/l	--	148	151	144	183	141	216

Parameter	Unit	PWQO [1]	SW98-1 12-Jun-2013 W - 5	SW98-1 20-Nov-2013 [2] W - 15	SW98-1 26-May-2014 SW - 5	SW98-1 27-Nov-2014 SW-98-1	SW98-1 27-May-2015 [3] W-9	SW98-1 20-Nov-2015 S-4
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	304	393	377	332	372	314
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	170	570	120	560	90	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	3000	1000	1000	2000	4000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	30000	29000	24000	52000	27000	40000
Chloride	ug/l	--	26000	24000	38000	26000	36000	34000
Color	color unit	--	24	15	21	14	17	16
Conductivity (Field)	uS/cm	--	705	660	787	667	804	820
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**3.99**	**6.88**	**3.72**	**0.13**	**2.88**	**3.22**
Fluoride	ug/l	--	220	190	190	170	240	160
Hardness, Calcium Carbonate	ug/l	--	311000	423000	391000	341000	397000	327000
Nitrate as N	ug/l	--	<100	140	120	200	<100	110
Nitrite as N	ug/l	--	<100	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	630	990	710	1000	680	830
pH (Field)	-	6.5 - 8.5	6.9	7.2	7.63	7.83	7.6	7.6
Phosphate, Ortho	ug/l	--	<30	<90	<30	<30	40	<30
Phosphorus	ug/l	-- [7]	20	**100**	30	30	**70**	**110**
Sulphate	ug/l	--	8000	8000	15000	8000	4000	7000
Temperature (Field)	deg c	-- [8]	20	3	20.4	1.8	17	4
Turbidity	ntu	-- [9]	1.8	15.9	12.7	13.5	17.7	4.0
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	<10	<10	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	90	140	150	100	120	110
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	140	160	160	170	190	170
Cadmium	ug/l	0.2 [11]	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	85000	120000	107000	97000	108000	88000
Chromium	ug/l	-- [14]	2	3	<1	<1	<1	<1
Cobalt	ug/l	0.9	0.3	0.5	0.3	<0.2	0.3	<0.2
Copper	ug/l	5	3	**8**	4	1	2	1
Hexavalent Chromium	ug/l	1 [15]	<0.5	0.20	<10	<10	<10	<1
Iron	ug/l	300	**340**	**4640**	**2790**	**1800**	**4290**	**440**
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	-- [16]	<1	<1	<1	<1	<1	<1
Magnesium	ug/l	--	24000	30000	30000	24000	31000	26000
Manganese	ug/l	--	480	270	260	210	460	80
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	8	8	<5	<5	<5	<5
Potassium	ug/l	--	3000	8000	3000	7000	3000	8000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	22000	24000	29000	21000	28000	17000
Strontium	ug/l	--	242	345	327	276	243	308
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	2	4	<1	<1	<1	<1
Zinc	ug/l	30 [11]	30	**70**	10	<10	20	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	<1	<1	<1	<1

Parameter	Unit	PWQO [1]	SW98-1 12-Jun-2013 W - 5	SW98-1 20-Nov-2013 [2] W - 15	SW98-1 26-May-2014 SW - 5	SW98-1 27-Nov-2014 SW-98-1	SW98-1 27-May-2015 [3] W-9	SW98-1 20-Nov-2015 S-4
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<50	<50	<50	<50	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW98-1 18-May-2016 W-4	SW98-1 16-Nov-2016 98-1	SW98-1 31-May-2017 W-6	SW98-1 29-Nov-2017 SW 98-1	SW98-1 08-Jun-2018 SW98-1	SW98-1 28-Nov-2018 SW98-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--[4]	348	299	290	468	345	292
Ammonia, unionized (Field)	ug/l	20	<20	<20	20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<25	720	250	1150	230	310
Biochemical Oxygen Demand, 5 Day	ug/l	--	1000	<1000	1000	1000	<1000	1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	31000	14000	24000	17000	22000	13000
Chloride	ug/l	--	49000	46000	67000	49000	12000	46000
Color	color unit	--	17	16	21	17	16	15
Conductivity (Field)	uS/cm	--	793	860	802	840	770	681
Cyanide	ug/l	5[5]	<2	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[6]	**2.98**	**2.04**	**2.88**	**3.40**	**4.36**	**4.88**
Fluoride	ug/l	--	220	140	200	180	180	420
Hardness, Calcium Carbonate	ug/l	--	359000	430000	328000	470000	321000	298000
Nitrate as N	ug/l	--	110	340	<100	0.29	<100	330
Nitrite as N	ug/l	--	<100	<100	<100	<0.10	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	660	1100	1900	2300	700	800
pH (Field)	-	6.5 - 8.5	7.78	7.1	7.6	7.4	7.8	7.66
Phosphate, Ortho	ug/l	--	<30	<100	<30	<30	<30	<30
Phosphorus	ug/l	--[7]	15	**50**	<10	10	**31**	29
Sulphate	ug/l	--	2000	122000	13000	11000	1000	31000
Temperature (Field)	deg c	--[8]	9	9.3	10	4.1	13.7	3.7
Turbidity	ntu	--[9]	9.2	13.2	6.3	0.9	30.9	8.2
Metals								
Aluminum, dissolved	ug/l	--[10]	<10	30	<10	<10	<10	<10
Arsenic	ug/l	100[11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	110	120	110	160	110	90
Beryllium	ug/l	--[12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200[13]	180	150	**230**	190	190	190
Cadmium	ug/l	0.2[11]	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
Calcium	ug/l	--	96000	126000	82000	137000	89000	83000
Chromium	ug/l	--[14]	<1	<1	<1	<1	<1	<1
Cobalt	ug/l	0.9	<0.2	**2.2**	0.3	0.4	0.4	<0.2
Copper	ug/l	5	1	2	4	3	1	**11**
Hexavalent Chromium	ug/l	1[15]	<10	<10	<1	<1	<10	<10
Iron	ug/l	300	**820**	**2850**	**840**	160	**3190**	130
Iron, dissolved	ug/l	300	--	--	--	100	**1720**	<30
Lead	ug/l	--[16]	<1	<1	<1	<1	<1	<1
Magnesium	ug/l	--	29000	28000	30000	31000	24000	22000
Manganese	ug/l	--	210	1220	280	1160	730	100
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	6	8	<5	11
Potassium	ug/l	--	4000	3000	3000	7000	2000	6000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	31000	35000	43000	33000	34000	30000
Strontium	ug/l	--	290	321	278	377	285	236
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<1	<1	<1	<1	<1	<1
Zinc	ug/l	30[11]	<10	10	10	**40**	<10	**60**
Zirconium	ug/l	4[13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1[18]	<1	**2**	**3**	**3**	<1	<1

Parameter	Unit	PWQO [1]	SW98-1 18-May-2016 W-4	SW98-1 16-Nov-2016 98-1	SW98-1 31-May-2017 W-6	SW98-1 29-Nov-2017 SW 98-1	SW98-1 08-Jun-2018 SW98-1	SW98-1 28-Nov-2018 SW98-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<30	<30	<30	<30	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	0.5	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	0.4
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	0.4	<0.2

Parameter	Unit	PWQO [1]	SW98-1 13-Jun-2019 SW 98-1	SW98-1 25-Nov-2019 98-1	SW98-1 11-Jun-2020 [23] SW02-1	SW98-1 01-Dec-2020 SW98-1	SW98-1 22-Jun-2021 SW98-1	SW98-1 2-Nov-2021 SW98-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--[4]	312	378	--	273	--	280
Ammonia, unionized (Field)	ug/l	20	<20	<20	--	<20	--	0.6
Ammonia Nitrogen	ug/l	--	65	635	--	86	--	127
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	4000	--	4000	--	<1000
Bromide	ug/l	--	<250	<250	--	<250	--	<250
Chemical Oxygen Demand	ug/l	--	12000	21000	--	23000	--	23000
Chloride	ug/l	--	77000	49000	--	45000	--	50000
Color	color unit	--	19	26	--	18	--	31
Conductivity (Field)	uS/cm	--	790	805	--	942	--	669
Cyanide	ug/l	5[5]	<5	<5	--	<5	--	<5
Dissolved Oxygen (Field)	mg/l	--[6]	**2.96**	**3.39**	--	**1.29**	**--**	**--**
Fluoride	ug/l	--	200	200	--	140	--	160
Hardness, Calcium Carbonate	ug/l	--	312000	470000	--	289000	--	329000
Nitrate as N	ug/l	--	<100	<100	--	160	--	<100
Nitrite as N	ug/l	--	<100	<100	--	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	550	600	--	789	--	865
pH (Field)	-	6.5 - 8.5	7.5	7.4	--	7.4	--	7.5
Phosphate, Ortho	ug/l	--	<9.2	<10	--	<10	--	<10
Phosphorus	ug/l	--[7]	17	28	--	22	--	**31**
Sulphate	ug/l	--	7000	22000	--	15000	--	34000
Temperature (Field)	deg c	--[8]	14	1.0	--	2	--	7.7
Turbidity	ntu	--[9]	3.6	5.3	--	3.4	--	400
Metals								
Aluminum, dissolved	ug/l	--[10]	<10	60	--	<10	--	20
Arsenic	ug/l	100[11]	<1	<1	--	<1	--	<1
Barium	ug/l	--	170	150	--	130	--	130
Beryllium	ug/l	--[12]	<0.5	<0.5	--	<0.5	--	<0.5
Boron	ug/l	200[13]	180	160	--	160	--	140
Cadmium	ug/l	0.2[11]	<0.1	0.1	--	<0.1	--	<0.1
Calcium	ug/l	--	82000	137000	--	81000	--	94000
Chromium	ug/l	--[14]	<1	<1	--	<1	--	<1
Cobalt	ug/l	0.9	<0.2	0.7	--	<0.2	--	**1.1**
Copper	ug/l	5	5	3	--	5	--	3
Hexavalent Chromium	ug/l	1[15]	<1	<1	--	<0.5	--	<0.5
Iron	ug/l	300	**820**	**1810**	--	**360**	**--**	**1550**
Iron, dissolved	ug/l	300	210	**1810**	--	50	--	**760**
Lead	ug/l	--[16]	<1	<1	--	<1	--	<1
Magnesium	ug/l	--	26000	31000	--	21000	--	23000
Manganese	ug/l	--	130	1110	--	80	--	860
Molybdenum	ug/l	40	<5	<5	--	<5	--	<5
Nickel	ug/l	25	6	6	--	<5	--	<5
Potassium	ug/l	--	2000	5000	--	7000	--	3000
Silver	ug/l	0.1	<0.1	<0.1	--	<0.1	--	<0.1
Sodium	ug/l	--	38000	36000	--	30000	--	32000
Strontium	ug/l	--	327	321	--	266	--	320
Thallium	ug/l	0.3[17]	<0.1	<0.1	--	<0.1	--	<0.1
Titanium	ug/l	--	<10	<10	--	<10	--	<10
Vanadium	ug/l	6	<1	<1	--	<1	--	<1
Zinc	ug/l	30[11]	20	30	--	20	--	<10
Zirconium	ug/l	4[13]	<2	<2	--	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1[18]	<1	<1	--	**4**	**--**	<1

Parameter	Unit	PWQO [1]	SW98-1 13-Jun-2019 SW 98-1	SW98-1 25-Nov-2019 98-1	SW98-1 11-Jun-2020 [23] SW02-1	SW98-1 01-Dec-2020 SW98-1	SW98-1 22-Jun-2021 SW98-1	SW98-1 2-Nov-2021 SW98-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	--	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	--	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	--	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	--	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	--	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	--	<10	--	<10
Acetone	ug/l	--	<30	<30	--	<30	--	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	--	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	--	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	<0.5	<0.5	--	<0.5	--	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	--	<0.2	--	<0.2
Chloroform	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	--	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	--	<0.4	--	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	--	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	--	<0.4	--	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	--	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	--	<0.4	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	--	<0.3	--	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	--	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	--	<0.4	--	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	--	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	--	<0.2	--	<0.2

Parameter	Unit	PWQO [1]	SW99-1 12-Jun-2013 W - 21	SW99-1 19-Nov-2013 [2] W - 8	SW99-1 26-May-2014 SW 99-1	SW99-1 27-Nov-2014 [23] SW-99-1	SW99-1 27-May-2015 [23] SW99-1	SW99-1 20-Nov-2015 S-12
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	227	211	231	--	--	257
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	--	--	<20
Ammonia Nitrogen	ug/l	--	<20	<20	60	--	--	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	2000	<1000	12000	--	--	<1000
Bromide	ug/l	--	<250	<250	<250	--	--	<250
Chemical Oxygen Demand	ug/l	--	6000	14000	<5000	52000	--	15000
Chloride	ug/l	--	28000	31000	27000	--	--	57000
Color	color unit	--	15	11	15	--	--	8
Conductivity (Field)	uS/cm	--	495	510	586	--	--	390
Cyanide	ug/l	5 [5]	<5	<5	<5	--	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	7.14	10.10	8.18	--	--	**4.38**
Fluoride	ug/l	--	<100	<100	<100	--	--	<100
Hardness, Calcium Carbonate	ug/l	--	290000	303000	289000	--	--	372000
Nitrate as N	ug/l	--	1170	600	530	--	--	160
Nitrite as N	ug/l	--	<100	<100	<100	--	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	380	200	180	--	--	170
pH (Field)	-	6.5 - 8.5	7.9	7.8	7.71	--	--	7.6
Phosphate, Ortho	ug/l	--	<30	<90	<30	--	--	<30
Phosphorus	ug/l	-- [7]	30	20	10	--	--	**110**
Sulphate	ug/l	--	62000	54000	59000	--	--	69000
Temperature (Field)	deg c	-- [8]	19	6	14.5	--	--	4
Turbidity	ntu	-- [9]	0.9	2.8	2.0	--	--	0.6
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	--	--	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	--	--	<1
Barium	ug/l	--	60	70	60	--	--	80
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	--	--	<0.5
Boron	ug/l	200 [13]	40	20	60	--	--	20
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	--	--	<0.1
Calcium	ug/l	--	83000	85000	81000	--	--	103000
Chromium	ug/l	-- [14]	1	2	<1	--	--	<1
Cobalt	ug/l	0.9	<0.2	<0.2	<0.2	--	--	0.2
Copper	ug/l	5	2	1	1	--	--	<1
Hexavalent Chromium	ug/l	1 [15]	<0.5	0.23	<10	--	--	<1
Iron	ug/l	300	60	100	60	--	--	260
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	-- [16]	<1	<1	<1	--	--	<1
Magnesium	ug/l	--	20000	22000	21000	--	--	28000
Manganese	ug/l	--	20	20	30	--	--	200
Molybdenum	ug/l	40	<5	<5	<5	--	--	<5
Nickel	ug/l	25	<5	<5	<5	--	--	<5
Potassium	ug/l	--	2000	2000	2000	--	--	2000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	--	--	<0.1
Sodium	ug/l	--	26000	20000	25000	--	--	21000
Strontium	ug/l	--	111	99	112	--	--	151
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	--	--	<0.1
Titanium	ug/l	--	<10	<10	<10	--	--	<10
Vanadium	ug/l	6	2	2	<1	--	--	<1
Zinc	ug/l	30 [11]	<10	<10	<10	--	--	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	--	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	<1	--	--	<1

Parameter	Unit	PWQO [1]	SW99-1 12-Jun-2013 W - 21	SW99-1 19-Nov-2013 [2] W - 8	SW99-1 26-May-2014 SW 99-1	SW99-1 27-Nov-2014 [23] SW-99-1	SW99-1 27-May-2015 [23] SW99-1	SW99-1 20-Nov-2015 S-12
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	--	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	--	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	--	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	--	--	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	--	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	--	--	<10
Acetone	ug/l	--	<50	<50	<50	--	--	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	--	--	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	--	--	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	--	--	<0.2
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	--	--	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	--	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	--	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	--	--	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	--	--	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	--	--	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	--	--	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	<0.5	--	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	--	--	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	--	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	--	--	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	--	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	--	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	--	--	<0.2

Parameter	Unit	PWQO [1]	SW99-1 18-May-2016 W-9	SW99-1 16-Nov-2016 [24] 99-1	SW99-1 31-May-2017 W-15	SW99-1 29-Nov-2017 SW 99-1	SW99-1 08-Jun-2018 SW99-1	SW99-1 28-Nov-2018 SW-99-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--[4]	236	--	208	250	216	134
Ammonia, unionized (Field)	ug/l	20	<20	--	20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<25	--	<20	<20	300	100
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	--	<1000	<1000	<1000	1000
Bromide	ug/l	--	<250	--	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	8000	--	17000	<5000	<5000	<5000
Chloride	ug/l	--	30000	--	66000	61000	36000	77000
Color	color unit	--	13	--	13	9	8	18
Conductivity (Field)	uS/cm	--	550	--	560	505	520	441
Cyanide	ug/l	5[5]	<2	--	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[6]	**3.99**	--	**1.89**	**2.99**	**2.01**	**6.11**
Fluoride	ug/l	--	<100	--	<100	<100	<100	<100
Hardness, Calcium Carbonate	ug/l	--	271000	--	318000	342000	245000	228000
Nitrate as N	ug/l	--	620	--	370	1230	240	1980
Nitrite as N	ug/l	--	<100	--	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	240	--	<800	<800	400	100
pH (Field)	-	6.5 - 8.5	7.9	--	7.6	7.5	7.5	7.6
Phosphate, Ortho	ug/l	--	<30	--	<30	<30	<30	<30
Phosphorus	ug/l	--[7]	5	--	<10	10	16	8
Sulphate	ug/l	--	41000	--	66000	64000	33000	48000
Temperature (Field)	deg c	--[8]	11	--	10	3.0	13	2.9
Turbidity	ntu	--[9]	1.0	--	1.0	0.3	1.9	1.9
Metals								
Aluminum, dissolved	ug/l	--[10]	<10	--	<10	<10	<10	<10
Arsenic	ug/l	100[11]	<1	--	<1	<1	<1	<1
Barium	ug/l	--	60	--	80	80	80	60
Beryllium	ug/l	--[12]	<0.5	--	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200[13]	30	--	60	40	30	20
Cadmium	ug/l	0.2[11]	<0.1	--	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	79000	--	91000	99000	70000	65000
Chromium	ug/l	--[14]	<1	--	<1	<1	<1	<1
Cobalt	ug/l	0.9	<0.2	--	0.3	<0.2	**1.0**	<0.2
Copper	ug/l	5	<1	--	2	1	3	1
Hexavalent Chromium	ug/l	1[15]	<10	--	<1	<1	<10	<10
Iron	ug/l	300	40	--	240	<30	**860**	90
Iron, dissolved	ug/l	300	--	--	--	<30	<30	<30
Lead	ug/l	--[16]	<1	--	<1	<1	2	<1
Magnesium	ug/l	--	18000	--	22000	23000	17000	16000
Manganese	ug/l	--	30	--	60	<10	170	<10
Molybdenum	ug/l	40	<5	--	<5	<5	<5	<5
Nickel	ug/l	25	<5	--	<5	<5	<5	<5
Potassium	ug/l	--	2000	--	2000	2000	2000	2000
Silver	ug/l	0.1	<0.1	--	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	22000	--	28000	32000	18000	20000
Strontium	ug/l	--	118	--	118	137	96	81
Thallium	ug/l	0.3[17]	<0.1	--	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	--	<10	<10	20	<10
Vanadium	ug/l	6	<1	--	<1	<1	2	<1
Zinc	ug/l	30[11]	<10	--	10	<10	20	<10
Zirconium	ug/l	4[13]	<2	--	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1[18]	<1	--	<1	1	<1	<1

Parameter	Unit	PWQO [1]	SW99-1 18-May-2016 W-9	SW99-1 16-Nov-2016 [24] 99-1	SW99-1 31-May-2017 W-15	SW99-1 29-Nov-2017 SW 99-1	SW99-1 08-Jun-2018 SW99-1	SW99-1 28-Nov-2018 SW-99-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	--	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	--	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	--	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	--	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	--	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	--	<10	<10	<10	<10
Acetone	ug/l	--	<30	--	<30	<30	<30	<30
Benzene	ug/l	100 [17]	<0.5	--	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	--	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	--	<0.2	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	<0.2	--	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	--	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	--	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	--	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.4	--	<0.4	<0.4	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	--	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.4	--	<0.4	<0.4	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	--	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	--	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	--	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	--	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	--	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW99-1 13-Jun-2019 SW99-1	SW99-1 25-Nov-2019 99-1	SW99-1 11-Jun-2020 [24] 99-1	SW99-1 01-Dec-2020 SW99-1	SW99-1 22-Jun-2021 SW99-1	SW99-1 2-Nov-2021 SW99-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	219	211	--	124	--	192
Ammonia, unionized (Field)	ug/l	20	<20	<20	--	<20	--	0.01
Ammonia Nitrogen	ug/l	--	<500	<10	--	<10	--	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	4000	--	4000	--	1000
Bromide	ug/l	--	<250	<250	--	<250	--	<250
Chemical Oxygen Demand	ug/l	--	<5000	<5000	--	13000	--	<5000
Chloride	ug/l	--	96000	86000	--	46000	--	36000
Color	color unit	--	9	9	--	48	--	22
Conductivity (Field)	uS/cm	--	496	299	--	409	--	551
Cyanide	ug/l	5 [5]	<5	<5	--	<5	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**1.98**	**4.44**	--	**4.49**	--	--
Fluoride	ug/l	--	<100	<100	--	<100	--	<100
Hardness, Calcium Carbonate	ug/l	--	294000	374000	--	209000	--	258000
Nitrate as N	ug/l	--	600	1370	--	3850	--	<100
Nitrite as N	ug/l	--	<100	<100	--	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	700	200	--	611	--	526
pH (Field)	-	6.5 - 8.5	7.6	7.5	--	7.52	--	6.9
Phosphate, Ortho	ug/l	--	<9.2	<10	--	<10	--	<10
Phosphorus	ug/l	-- [7]	5	3	--	20	--	12
Sulphate	ug/l	--	51000	59000	--	36000	--	48000
Temperature (Field)	deg c	-- [8]	13.5	1.0	--	3	--	8.2
Turbidity	ntu	-- [9]	4.2	0.5	--	6.1	--	2.4
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	<10	--	20	--	<10
Arsenic	ug/l	100 [11]	<1	<1	--	<1	--	<1
Barium	ug/l	--	80	80	--	50	--	70
Beryllium	ug/l	-- [12]	<0.5	<0.5	--	<0.5	--	<0.5
Boron	ug/l	200 [13]	40	30	--	30	--	30
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	--	<0.1	--	<0.1
Calcium	ug/l	--	83000	107000	--	59000	--	72000
Chromium	ug/l	-- [14]	<1	<1	--	<1	--	<1
Cobalt	ug/l	0.9	<0.2	<0.2	--	<0.2	--	<0.2
Copper	ug/l	5	<1	<1	--	2	--	2
Hexavalent Chromium	ug/l	1 [15]	<1	<1	--	<0.5	--	<0.5
Iron	ug/l	300	40	<30	--	290	--	120
Iron, dissolved	ug/l	300	<30	<30	--	30	--	<30
Lead	ug/l	-- [16]	<1	<1	--	<1	--	<1
Magnesium	ug/l	--	21000	26000	--	15000	--	19000
Manganese	ug/l	--	10	<10	--	<10	--	<10
Molybdenum	ug/l	40	<5	<5	--	<5	--	<5
Nickel	ug/l	25	<5	<5	--	<5	--	<5
Potassium	ug/l	--	2000	2000	--	2000	--	2000
Silver	ug/l	0.1	<0.1	<0.1	--	<0.1	--	<0.1
Sodium	ug/l	--	35000	42000	--	17000	--	20000
Strontium	ug/l	--	132	118	--	73	--	102
Thallium	ug/l	0.3 [17]	<0.1	<0.1	--	<0.1	--	<0.1
Titanium	ug/l	--	<10	<10	--	20	--	<10
Vanadium	ug/l	6	<1	<1	--	<1	--	<1
Zinc	ug/l	30 [11]	<10	<10	--	<10	--	<10
Zirconium	ug/l	4 [13]	<2	<2	--	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	--	**2**	--	<1

Parameter	Unit	PWQO [1]	SW99-1 13-Jun-2019 SW99-1	SW99-1 25-Nov-2019 99-1	SW99-1 11-Jun-2020 [24] 99-1	SW99-1 01-Dec-2020 SW99-1	SW99-1 22-Jun-2021 SW99-1	SW99-1 2-Nov-2021 SW99-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	--	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	--	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	--	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	--	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	--	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	--	<10	--	<10
Acetone	ug/l	--	<30	<30	--	<30	--	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	--	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	--	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	<0.5	<0.5	--	<0.5	--	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	--	<0.2	--	<0.2
Chloroform	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	--	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	--	<0.4	--	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	--	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	--	<0.4	--	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	--	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	--	<0.4	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	--	<0.3	--	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	--	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	--	<0.4	--	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	--	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	--	<0.2	--	<0.2

Parameter	Unit	PWQO [1]	SW99-2 12-Jun-2013 W - 17	SW99-2 19-Nov-2013 [2] W - 9	SW99-2 26-May-2014 SW 99-2	SW99-2 27-Nov-2014 SW-99-2	SW99-2 27-May-2015 [3] W-10	SW99-2 20-Nov-2015 S-13
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	170	220	251	223	297	262
Ammonia, unionized (Field)	ug/l	20	--	<20	<20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<20	50	30	<20	30	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	1000	<1000	2000	2000	<1000	<1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	14000	10000	8000	52000	20000	16000
Chloride	ug/l	--	21000	23000	17000	28000	26000	29000
Color	color unit	--	42	17	19	17	22	19
Conductivity (Field)	uS/cm	--	680	650	621	573	605	380
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	9.88	13.08	7.92	11.87	8.12	**4.99**
Fluoride	ug/l	--	100	130	140	110	190	120
Hardness, Calcium Carbonate	ug/l	--	178000	263000	335000	298000	394000	348000
Nitrate as N	ug/l	--	<100	170	130	140	110	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	300	320	320	250	480	250
pH (Field)	-	6.5 - 8.5	7.9	7.8	8.09	8.05	8.0	7.9
Phosphate, Ortho	ug/l	--	<30	<90	<30	<30	<30	<30
Phosphorus	ug/l	-- [7]	30	<10	10	20	**60**	**<50**
Sulphate	ug/l	--	13000	81000	78000	50000	71000	78000
Temperature (Field)	deg c	-- [8]	20	5	15.3	1.3	14	4
Turbidity	ntu	-- [9]	2.5	1.0	2.7	1.5	13.6	0.5
Metals								
Aluminum, dissolved	ug/l	-- [10]	10	<10	<10	<10	20	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	30	80	100	70	110	90
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	10	80	90	60	130	80
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Calcium	ug/l	--	48000	79000	101000	88000	120000	103000
Chromium	ug/l	-- [14]	1	2	<1	<1	<1	<1
Cobalt	ug/l	0.9	0.2	0.5	0.6	0.5	**1.7**	<0.2
Copper	ug/l	5	1	<1	1	<1	4	<1
Hexavalent Chromium	ug/l	1 [15]	<0.5	0.23	<10	<10	<10	<1
Iron	ug/l	300	240	260	**410**	**420**	**1150**	70
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	-- [16]	<1	<1	<1	<1	2	<1
Magnesium	ug/l	--	14000	16000	20000	19000	23000	22000
Manganese	ug/l	--	30	140	230	260	250	30
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	ug/l	--	1000	2000	2000	3000	3000	3000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	20000	15000	18000	17000	22000	20000
Strontium	ug/l	--	117	209	207	212	240	245
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	1	1	<1	<1	<1	<1
Zinc	ug/l	30 [11]	<10	<10	<10	<10	30	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	<1	<1	<1	<1

Parameter	Unit	PWQO [1]	SW99-2 12-Jun-2013 W - 17	SW99-2 19-Nov-2013 [2] W - 9	SW99-2 26-May-2014 SW 99-2	SW99-2 27-Nov-2014 SW-99-2	SW99-2 27-May-2015 [3] W-10	SW99-2 20-Nov-2015 S-13
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<50	<50	<50	<50	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW99-2 18-May-2016 W-6	SW99-2 16-Nov-2016 99-4	SW99-2 31-May-2017 W-14	SW99-2 29-Nov-2017 SW 99-2	SW99-2 08-Jun-2018 SW99-2	SW99-2 28-Nov-2018 SW99-2
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	268	197	229	230	301	134
Ammonia, unionized (Field)	ug/l	20	<20	<20	20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<25	<50	<20	50	30	90
Biochemical Oxygen Demand, 5 Day	ug/l	--	2000	<1000	<1000	<1000	4000	<1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	21000	12000	31000	<5000	17000	7000
Chloride	ug/l	--	24000	35000	25000	31000	4000	22000
Color	color unit	--	20	25	20	14	20	35
Conductivity (Field)	uS/cm	--	675	630	530	489	505	440
Cyanide	ug/l	5 [5]	<2	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	7.77	8.40	6.91	10.11	7.54	10.20
Fluoride	ug/l	--	150	<100	160	130	160	140
Hardness, Calcium Carbonate	ug/l	--	370000	356000	340000	337000	343000	199000
Nitrate as N	ug/l	--	<100	<100	<100	0.41	<100	180
Nitrite as N	ug/l	--	<100	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	360	<800	<800	<800	400	200
pH (Field)	-	6.5 - 8.5	8.3	7.6	7.7	7.7	7.7	7.8
Phosphate, Ortho	ug/l	--	<30	<100	<30	<30	<30	<30
Phosphorus	ug/l	-- [7]	**47**	<30	<10	10	**42**	10
Sulphate	ug/l	--	96000	140000	95000	86000	14000	64000
Temperature (Field)	deg c	-- [8]	12	9.1	11	3.1	14	3.1
Turbidity	ntu	-- [9]	14.4	0.5	1.6	1.7	15.5	1.8
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	<10	<10	20
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	110	100	90	80	120	50
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	110	120	120	80	160	80
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	115000	108000	105000	102000	106000	60000
Chromium	ug/l	-- [14]	<1	<1	<1	<1	2	<1
Cobalt	ug/l	0.9	**1.2**	<0.2	0.8	0.2	**2.2**	<0.2
Copper	ug/l	5	2	1	3	<1	<1	2
Hexavalent Chromium	ug/l	1 [15]	<10	<10	<1	<1	<10	<10
Iron	ug/l	300	**930**	40	**430**	160	**990**	130
Iron, dissolved	ug/l	300	--	--	--	<30	<30	40
Lead	ug/l	-- [16]	2	<1	1	<1	<1	<1
Magnesium	ug/l	--	20000	21000	19000	20000	19000	12000
Manganese	ug/l	--	180	<10	80	30	170	<10
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	ug/l	--	3000	4000	2000	2000	1000	2000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	19000	19000	19000	14000	15000	10000
Strontium	ug/l	--	250	236	187	185	232	113
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<1	<1	<1	<1	<1	<1
Zinc	ug/l	30 [11]	20	<10	20	<10	<10	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	<1	<1	<1	<1

Parameter	Unit	PWQO [1]	SW99-2 18-May-2016 W-6	SW99-2 16-Nov-2016 99-4	SW99-2 31-May-2017 W-14	SW99-2 29-Nov-2017 SW 99-2	SW99-2 08-Jun-2018 SW99-2	SW99-2 28-Nov-2018 SW99-2
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<30	<30	<30	<30	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	0.8	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW99-2 13-Jun-2019 SW99-2	SW99-2 25-Nov-2019 99-2	SW99-2 11-Jun-2020 SW99-2	SW99-2 01-Dec-2020 SW99-2	SW99-2 22-Jun-2021 SW99-2	SW99-2 2-Nov-2021 SW99-2
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	224	228	292	148	--	202
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	--	0.02
Ammonia Nitrogen	ug/l	--	141	<10	36	<10	--	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	3000	2000	2000	--	<1000
Bromide	ug/l	--	<250	<250	<250	<250	--	<250
Chemical Oxygen Demand	ug/l	--	5000	<5000	14000	19000	--	12000
Chloride	ug/l	--	38000	39000	27000	25000	--	36000
Color	color unit	--	18	15	<2	44	--	16
Conductivity (Field)	uS/cm	--	522	405	672	688	--	545
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	7.24	**6.88**	**3.92**	7.74	--	--
Fluoride	ug/l	--	150	140	<100	100	--	110
Hardness, Calcium Carbonate	ug/l	--	295000	378000	327000	204000	--	267000
Nitrate as N	ug/l	--	<100	160	<100	220	--	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	390	300	790	413	--	518
pH (Field)	-	6.5 - 8.5	7.5	7.6	**6.42**	7.3	--	7.1
Phosphate, Ortho	ug/l	--	9.8	<10	<10	<10	--	<10
Phosphorus	ug/l	-- [7]	10	5	14	14	--	6
Sulphate	ug/l	--	82000	82000	45000	42000	--	44000
Temperature (Field)	deg c	-- [8]	13.5	0.9	17.1	4	--	7.3
Turbidity	ntu	-- [9]	1.0	0.7	7.2	2.8	--	0.8
Metals								
Aluminum, dissolved	ug/l	-- [10]	10	<10	<10	30	--	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	--	<1
Barium	ug/l	--	90	80	110	60	--	70
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	--	<0.5
Boron	ug/l	200 [13]	90	80	100	70	--	90
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	--	<0.1
Calcium	ug/l	--	90000	115000	98000	62000	--	79000
Chromium	ug/l	-- [14]	<1	<1	<1	<1	--	<1
Cobalt	ug/l	0.9	0.2	<0.2	0.9	0.2	--	0.3
Copper	ug/l	5	1	<1	1	2	--	1
Hexavalent Chromium	ug/l	1 [15]	<1	<1	<1	<0.5	--	<0.5
Iron	ug/l	300	160	60	**500**	200	--	210
Iron, dissolved	ug/l	300	60	<30	190	50	--	150
Lead	ug/l	-- [16]	<1	<1	<1	<1	--	<1
Magnesium	ug/l	--	17000	22000	20000	12000	--	17000
Manganese	ug/l	--	20	10	460	20	--	190
Molybdenum	ug/l	40	<5	<5	<5	<5	--	<5
Nickel	ug/l	25	<5	<5	<5	<5	--	<5
Potassium	ug/l	--	1000	2000	1000	2000	--	2000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1
Sodium	ug/l	--	15000	21000	17000	13000	--	16000
Strontium	ug/l	--	193	194	233	122	--	189
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	--	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	--	<10
Vanadium	ug/l	6	<1	<1	<1	<1	--	<1
Zinc	ug/l	30 [11]	<10	<10	<10	<10	--	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	<1	<1	--	<1

Parameter	Unit	PWQO [1]	SW99-2 13-Jun-2019 SW99-2	SW99-2 25-Nov-2019 99-2	SW99-2 11-Jun-2020 SW99-2	SW99-2 01-Dec-2020 SW99-2	SW99-2 22-Jun-2021 SW99-2	SW99-2 2-Nov-2021 SW99-2
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	--	<10
Acetone	ug/l	--	<30	<30	<30	<30	--	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	<0.5	<0.5	<0.5	<0.5	--	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	--	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	--	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	<0.4	<0.4	--	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	<0.4	<0.4	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	--	<0.3
Toluene	ug/l	0.8	**3.3**	<0.5	<0.5	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	--	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	--	<0.2

Parameter	Unit	PWQO [1]	SW99-3 12-Jun-2013 W - 19	SW99-3 19-Nov-2013 [2] W - 10	SW99-3 26-May-2014 SW 99-3	SW99-3 27-Nov-2014 SW-99-3	SW99-3 27-May-2015 [3] W-11	SW99-3 20-Nov-2015 S-14
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	171	225	261	225	296	251
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<20	<20	30	50	<20	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	2000	<1000	<1000	2000	1000	<1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	26000	7000	11000	52000	22000	22000
Chloride	ug/l	--	21000	25000	20000	29000	26000	29000
Color	color unit	--	40	18	22	27	22	19
Conductivity (Field)	uS/cm	--	680	675	668	594	600	490
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	10.11	13.30	9.51	12.79	10.12	10.40
Fluoride	ug/l	--	100	130	140	110	180	120
Hardness, Calcium Carbonate	ug/l	--	178000	337000	361000	310000	394000	352000
Nitrate as N	ug/l	--	<100	240	180	190	110	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	460	260	640	170	890	260
pH (Field)	-	6.5 - 8.5	8.0	7.9	8.36	8.23	8.1	7.7
Phosphate, Ortho	ug/l	--	<30	<90	<30	<30	<30	<30
Phosphorus	ug/l	-- [7]	**80**	<10	20	10	**70**	**<50**
Sulphate	ug/l	--	13000	92000	97000	58000	72000	79000
Temperature (Field)	deg c	-- [8]	17	4	15.1	1.6	13	5
Turbidity	ntu	-- [9]	2.4	2.0	6.5	1.9	11.7	1.8
Metals								
Aluminum, dissolved	ug/l	-- [10]	**160**	<10	<10	<10	10	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	30	80	120	80	100	90
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200 [13]	10	90	100	80	140	80
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Calcium	ug/l	--	48000	102000	110000	91000	120000	103000
Chromium	ug/l	-- [14]	1	2	<1	<1	<1	<1
Cobalt	ug/l	0.9	0.2	0.3	**1.1**	0.3	**1.5**	0.2
Copper	ug/l	5	2	<1	2	<1	3	<1
Hexavalent Chromium	ug/l	1 [15]	<0.5	0.23	<10	<10	<10	<1
Iron	ug/l	300	240	90	**720**	140	**980**	110
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	-- [16]	<1	<1	2	<1	2	<1
Magnesium	ug/l	--	14000	20000	21000	20000	23000	23000
Manganese	ug/l	--	30	30	190	60	220	40
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	ug/l	--	1000	3000	2000	3000	2000	3000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	20000	20000	19000	17000	22000	18000
Strontium	ug/l	--	117	212	217	214	241	241
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	2	2	<1	<1	<1	<1
Zinc	ug/l	30 [11]	<10	<10	20	<10	30	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	<1	<1	<1	<1

Parameter	Unit	PWQO [1]	SW99-3 12-Jun-2013 W - 19	SW99-3 19-Nov-2013 [2] W - 10	SW99-3 26-May-2014 SW 99-3	SW99-3 27-Nov-2014 SW-99-3	SW99-3 27-May-2015 [3] W-11	SW99-3 20-Nov-2015 S-14
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<50	<50	<50	<50	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW99-3 18-May-2016 W-7	SW99-3 16-Nov-2016 99-3	SW99-3 31-May-2017 W-13	SW99-3 29-Nov-2017 SW 99-3	SW99-3 08-Jun-2018 SW99-3	SW99-3 28-Nov-2018 SW99-3
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--[4]	261	198	229	229	289	127
Ammonia, unionized (Field)	ug/l	20	<20	<20	20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	39	110	190	40	<20	60
Biochemical Oxygen Demand, 5 Day	ug/l	--	1000	1000	<1000	1000	<1000	<1000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	22000	11000	31000	<5000	13000	5000
Chloride	ug/l	--	24000	35000	25000	31000	4000	22000
Color	color unit	--	16	23	20	14	21	35
Conductivity (Field)	uS/cm	--	635	605	610	510	520	405
Cyanide	ug/l	5[5]	<2	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[6]	9.83	8.21	9.71	11.42	7.74	11.11
Fluoride	ug/l	--	160	100	160	130	160	140
Hardness, Calcium Carbonate	ug/l	--	370000	354000	340000	337000	343000	202000
Nitrate as N	ug/l	--	<100	<100	<100	0.32	<100	160
Nitrite as N	ug/l	--	<100	<100	<100	<0.10	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	270	<800	1400	<800	600	200
pH (Field)	-	6.5 - 8.5	8.2	7.6	7.7	7.6	7.6	7.7
Phosphate, Ortho	ug/l	--	<30	<100	<30	<30	<30	<30
Phosphorus	ug/l	--[7]	30	<30	<10	10	**68**	11
Sulphate	ug/l	--	101000	137000	94000	86000	14000	64000
Temperature (Field)	deg c	--[8]	10	8.9	10	3.4	14	3.0
Turbidity	ntu	--[9]	6.7	0.9	3.2	1.9	9.3	2.5
Metals								
Aluminum, dissolved	ug/l	--[10]	<10	<10	10	<10	<10	20
Arsenic	ug/l	100[11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	110	90	80	80	120	50
Beryllium	ug/l	--[12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200[13]	110	130	120	80	140	70
Cadmium	ug/l	0.2[11]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	115000	107000	105000	102000	106000	61000
Chromium	ug/l	--[14]	<1	<1	<1	<1	<1	<1
Cobalt	ug/l	0.9	**1.0**	<0.2	0.4	<0.2	0.9	<0.2
Copper	ug/l	5	2	1	2	<1	1	2
Hexavalent Chromium	ug/l	1[15]	<10	<10	<1	<1	<10	<10
Iron	ug/l	300	**830**	60	220	130	**1670**	120
Iron, dissolved	ug/l	300	--	--	--	<30	<30	30
Lead	ug/l	--[16]	1	<1	<1	<1	<1	<1
Magnesium	ug/l	--	20000	21000	19000	20000	19000	12000
Manganese	ug/l	--	160	10	40	30	380	<10
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	ug/l	--	3000	4000	2000	2000	1000	2000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	20000	20000	17000	16000	14000	10000
Strontium	ug/l	--	256	231	186	183	242	114
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<1	<1	<1	<1	<1	<1
Zinc	ug/l	30[11]	20	<10	10	10	20	<10
Zirconium	ug/l	4[13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1[18]	<1	<1	<1	<1	<1	<1

Parameter	Unit	PWQO [1]	SW99-3 18-May-2016 W-7	SW99-3 16-Nov-2016 99-3	SW99-3 31-May-2017 W-13	SW99-3 29-Nov-2017 SW 99-3	SW99-3 08-Jun-2018 SW99-3	SW99-3 28-Nov-2018 SW99-3
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<30	<30	<30	<30	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Parameter	Unit	PWQO [1]	SW99-3 13-Jun-2019 SW99-3	SW99-3 25-Nov-2019 99-3	SW99-3 11-Jun-2020 SW99-3	SW99-3 01-Dec-2020 SW99-3	SW99-3 22-Jun-2021 SW99-3	SW99-3 2-Nov-2021 SW99-3
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	237	215	340	150	--	250
Ammonia, unionized (Field)	ug/l	20	<20	<20	<20	<20	--	0.05
Ammonia Nitrogen	ug/l	--	22	<10	14	<10	--	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	2000	<1000	3000	--	<1000
Bromide	ug/l	--	<250	<250	<250	<250	--	<250
Chemical Oxygen Demand	ug/l	--	<5000	13000	11000	19000	--	14000
Chloride	ug/l	--	38000	39000	34000	25000	--	52000
Color	color unit	--	19	14	23	44	--	20000
Conductivity (Field)	uS/cm	--	505	448	738	731	--	683
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	7.81	7.99	--	8.22	--	--
Fluoride	ug/l	--	150	170	120	100	--	120
Hardness, Calcium Carbonate	ug/l	--	299000	378000	368000	202000	--	348
Nitrate as N	ug/l	--	<100	170	<100	220	--	<100
Nitrite as N	ug/l	--	<100	<100	<100	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	320	300	751	1210	--	408
pH (Field)	-	6.5 - 8.5	7.6	7.5	7.04	7.4	--	7.5
Phosphate, Ortho	ug/l	--	10.4	<10	<10	<10	--	<10
Phosphorus	ug/l	-- [7]	9	5	19	15	--	8
Sulphate	ug/l	--	82000	82000	46000	42000	--	66000
Temperature (Field)	deg c	-- [8]	13	1.3	18.2	4	--	7.4
Turbidity	ntu	-- [9]	1.7	0.8	0.7	3.0	--	1.5
Metals								
Aluminum, dissolved	ug/l	-- [10]	10	<10	10	30	--	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	--	<1
Barium	ug/l	--	90	80	110	60	--	100
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	--	<0.5
Boron	ug/l	200 [13]	90	70	130	70	--	110
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	<0.1	<0.1	--	<0.1
Calcium	ug/l	--	90000	115000	111000	61000	--	103000
Chromium	ug/l	-- [14]	<1	<1	<1	<1	--	1
Cobalt	ug/l	0.9	0.2	<0.2	0.6	0.3	--	<0.2
Copper	ug/l	5	1	<1	2	2	--	<1
Hexavalent Chromium	ug/l	1 [15]	<1	<1	<1	<0.5	--	<0.5
Iron	ug/l	300	140	70	**460**	220	--	110
Iron, dissolved	ug/l	300	60	<30	<30	50	--	<30
Lead	ug/l	-- [16]	<1	<1	<1	<1	--	<1
Magnesium	ug/l	--	18000	22000	22000	12000	--	22000
Manganese	ug/l	--	20	10	80	20	--	30
Molybdenum	ug/l	40	<5	<5	<5	<5	--	<5
Nickel	ug/l	25	<5	<5	<5	<5	--	<5
Potassium	ug/l	--	1000	2000	2000	2000	--	3000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1
Sodium	ug/l	--	17000	21000	19000	12000	--	23000
Strontium	ug/l	--	195	186	274	121	--	247
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	--	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	--	<10
Vanadium	ug/l	6	<1	<1	<1	<1	--	<1
Zinc	ug/l	30 [11]	<10	<10	10	<10	--	<10
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	1	<1	<1	1	--	<2

Parameter	Unit	PWQO [1]	SW99-3 13-Jun-2019 SW99-3	SW99-3 25-Nov-2019 99-3	SW99-3 11-Jun-2020 SW99-3	SW99-3 01-Dec-2020 SW99-3	SW99-3 22-Jun-2021 SW99-3	SW99-3 2-Nov-2021 SW99-3
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	--	<10
Acetone	ug/l	--	<30	<30	<30	<30	--	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	<0.5	<0.5	<0.5	<0.5	--	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	--	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	--	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	<0.4	<0.4	--	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	<0.4	<0.4	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	--	<0.3
Toluene	ug/l	0.8	**3.7**	<0.5	<0.5	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	--	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	--	<0.2

Parameter	Unit	PWQO [1]	SW99-4 12-Jun-2013 W - 16
General Chemistry			
Alkalinity (Total as CaCO3)	mg/l	-- [4]	166
Ammonia, unionized (Field)	ug/l	20	<20
Ammonia Nitrogen	ug/l	--	<20
Biochemical Oxygen Demand, 5 Day	ug/l	--	1000
Bromide	ug/l	--	<250
Chemical Oxygen Demand	ug/l	--	18000
Chloride	ug/l	--	22000
Color	color unit	--	42
Conductivity (Field)	uS/cm	--	865
Cyanide	ug/l	5 [5]	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**2.88**
Fluoride	ug/l	--	<100
Hardness, Calcium Carbonate	ug/l	--	178000
Nitrate as N	ug/l	--	<100
Nitrite as N	ug/l	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	580
pH (Field)	-	6.5 - 8.5	6.9
Phosphate, Ortho	ug/l	--	<30
Phosphorus	ug/l	-- [7]	30
Sulphate	ug/l	--	14000
Temperature (Field)	deg c	-- [8]	22
Turbidity	ntu	-- [9]	2.7
Metals			
Aluminum, dissolved	ug/l	-- [10]	10
Arsenic	ug/l	100 [11]	<1
Barium	ug/l	--	30
Beryllium	ug/l	-- [12]	<0.5
Boron	ug/l	200 [13]	10
Cadmium	ug/l	0.2 [11]	<0.1
Calcium	ug/l	--	48000
Chromium	ug/l	-- [14]	1
Cobalt	ug/l	0.9	0.2
Copper	ug/l	5	1
Hexavalent Chromium	ug/l	1 [15]	<0.5
Iron	ug/l	300	260
Lead	ug/l	-- [16]	<1
Magnesium	ug/l	--	14000
Manganese	ug/l	--	30
Molybdenum	ug/l	40	<5
Nickel	ug/l	25	<5
Potassium	ug/l	--	1000
Silver	ug/l	0.1	<0.1
Sodium	ug/l	--	19000
Strontium	ug/l	--	119
Thallium	ug/l	0.3 [17]	<0.1
Titanium	ug/l	--	<10
Vanadium	ug/l	6	1
Zinc	ug/l	30 [11]	<10
Zirconium	ug/l	4 [13]	<2
Phenols			
Phenolics, Total Recoverable	ug/l	1 [18]	<1

Parameter	Unit	PWQO [1]	SW99-4 12-Jun-2013 W - 16
VOCs			
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5
1,1-Dichloroethane	ug/l	200	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10
Acetone	ug/l	--	<50
Benzene	ug/l	100 [17]	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2
Chloroethane	ug/l	--	<0.2
Chloroform	ug/l	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4
Ethylbenzene	ug/l	8	<0.5
m,p-Xylenes	ug/l	--	<0.5
Methylene Chloride	ug/l	100 [21]	<4.0
o-Xylene	ug/l	40 [17]	<0.5
Tetrachloroethylene	ug/l	50 [22]	<0.3
Toluene	ug/l	0.8	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4
Trichloroethene	ug/l	20	<0.3
Trichlorofluoromethane	ug/l	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2

Parameter	Unit	PWQO [1]	SW99-5 12-Jun-2013 W - 20	SW99-5 19-Nov-2013 [2] W - 6	SW99-5 26-May-2014 SW 99-5	SW99-5 27-Nov-2014 SW-99-5	SW99-5 27-May-2015 [23] SW99-5	SW99-5 20-Nov-2015 S-15
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	506	575	517	566	--	281
Ammonia, unionized (Field)	ug/l	20	--	<20	<20	<20	--	<20
Ammonia Nitrogen	ug/l	--	1870	3550	1100	3460	--	<25
Biochemical Oxygen Demand, 5 Day	ug/l	--	2000	3000	5000	9000	--	3000
Bromide	ug/l	--	<250	270	<250	<250	--	<250
Chemical Oxygen Demand	ug/l	--	23000	36000	14000	52000	--	157000
Chloride	ug/l	--	28000	35000	23000	41000	--	18000
Color	color unit	--	11	8	9	9	--	100
Conductivity (Field)	uS/cm	--	860	885	985	1163	--	705
Cyanide	ug/l	5 [5]	<5	<5	<5	<5	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**1.41**	**5.11**	**0.16**	**0.95**	--	**2.81**
Fluoride	ug/l	--	190	220	150	250	--	<100
Hardness, Calcium Carbonate	ug/l	--	520000	633000	512000	545000	--	321000
Nitrate as N	ug/l	--	160	<100	<100	<100	--	290
Nitrite as N	ug/l	--	<100	<100	<100	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	2910	4440	1130	4400	--	840
pH (Field)	-	6.5 - 8.5	6.9	6.8	7.05	7.21	--	7.3
Phosphate, Ortho	ug/l	--	<30	<90	<30	<30	--	<30
Phosphorus	ug/l	-- [7]	30	**120**	20	**110**	--	**210**
Sulphate	ug/l	--	26000	3000	11000	<1000	--	15000
Temperature (Field)	deg c	-- [8]	22	5	23.4	4.0	--	5
Turbidity	ntu	-- [9]	27.3	>100	74.9	424	--	18.2
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	<10	<10	<10	--	<10
Arsenic	ug/l	100 [11]	<1	<1	<1	<1	--	<1
Barium	ug/l	--	590	560	460	390	--	100
Beryllium	ug/l	-- [12]	<0.5	<0.5	<0.5	<0.5	--	<0.5
Boron	ug/l	200 [13]	**260**	**280**	**220**	190	--	90
Cadmium	ug/l	0.2 [11]	0.2	<0.1	<0.1	<0.1	--	0.2
Calcium	ug/l	--	152000	186000	149000	162000	--	84000
Chromium	ug/l	-- [14]	3	4	<1	<1	--	<1
Cobalt	ug/l	0.9	0.8	0.7	0.3	0.4	--	<0.2
Copper	ug/l	5	5	<1	<1	1	--	4
Hexavalent Chromium	ug/l	1 [15]	<0.5	0.03	<10	<10	--	<1
Iron	ug/l	300	**40000**	**41000**	**11200**	**43600**	--	**10700**
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	-- [16]	<1	<1	<1	<1	--	<1
Magnesium	ug/l	--	34000	41000	34000	34000	--	27000
Manganese	ug/l	--	450	670	320	940	--	970
Molybdenum	ug/l	40	<5	<5	<5	<5	--	<5
Nickel	ug/l	25	6	<5	<5	<5	--	<5
Potassium	ug/l	--	6000	9000	5000	8000	--	4000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1
Sodium	ug/l	--	26000	34000	23000	32000	--	11000
Strontium	ug/l	--	448	500	392	420	--	160
Thallium	ug/l	0.3 [17]	<0.1	<0.1	<0.1	<0.1	--	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	--	<10
Vanadium	ug/l	6	4	6	<1	<1	--	<1
Zinc	ug/l	30 [11]	**240**	20	<10	**40**	--	**80**
Zirconium	ug/l	4 [13]	<2	<2	<2	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	<1	<1	--	<1

Parameter	Unit	PWQO [1]	SW99-5 12-Jun-2013 W - 20	SW99-5 19-Nov-2013 [2] W - 6	SW99-5 26-May-2014 SW 99-5	SW99-5 27-Nov-2014 SW-99-5	SW99-5 27-May-2015 [23] SW99-5	SW99-5 20-Nov-2015 S-15
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	0.9	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	--	<10
Acetone	ug/l	--	<50	<50	<50	<50	--	<30
Benzene	ug/l	100 [17]	<0.5	0.6	<0.5	0.7	--	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	0.2	<0.2	0.3	--	<0.2
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	--	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	--	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	<0.5	<0.5	--	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	<0.5	<0.5	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	--	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	--	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	0.2	--	<0.2

Parameter	Unit	PWQO [1]	SW99-5 18-May-2016 [24] SW99-5	SW99-5 16-Nov-2016 [24] 99-5	SW99-5 31-May-2017 [24] SW99-5	SW99-5 29-Nov-2017 [24] SW99-5	SW99-5 08-Jun-2018 [24] SW99-5	SW99-5 28-Nov-2018 [24] SW99-5
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	--	--	--	--	--	--
Ammonia, unionized (Field)	ug/l	20	--	--	--	--	--	--
Ammonia Nitrogen	ug/l	--	--	--	--	--	--	--
Biochemical Oxygen Demand, 5 Day	ug/l	--	--	--	--	--	--	--
Bromide	ug/l	--	--	--	--	--	--	--
Chemical Oxygen Demand	ug/l	--	--	--	--	--	--	--
Chloride	ug/l	--	--	--	--	--	--	--
Color	color unit	--	--	--	--	--	--	--
Conductivity (Field)	uS/cm	--	--	--	--	--	--	--
Cyanide	ug/l	5 [5]	--	--	--	--	--	--
Dissolved Oxygen (Field)	mg/l	-- [6]	--	--	--	--	--	--
Fluoride	ug/l	--	--	--	--	--	--	--
Hardness, Calcium Carbonate	ug/l	--	--	--	--	--	--	--
Nitrate as N	ug/l	--	--	--	--	--	--	--
Nitrite as N	ug/l	--	--	--	--	--	--	--
Nitrogen, Total Kjeldahl	ug/l	--	--	--	--	--	--	--
pH (Field)	-	6.5 - 8.5	--	--	--	--	--	--
Phosphate, Ortho	ug/l	--	--	--	--	--	--	--
Phosphorus	ug/l	-- [7]	--	--	--	--	--	--
Sulphate	ug/l	--	--	--	--	--	--	--
Temperature (Field)	deg c	-- [8]	--	--	--	--	--	--
Turbidity	ntu	-- [9]	--	--	--	--	--	--
Metals								
Aluminum, dissolved	ug/l	-- [10]	--	--	--	--	--	--
Arsenic	ug/l	100 [11]	--	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--	--
Beryllium	ug/l	-- [12]	--	--	--	--	--	--
Boron	ug/l	200 [13]	--	--	--	--	--	--
Cadmium	ug/l	0.2 [11]	--	--	--	--	--	--
Calcium	ug/l	--	--	--	--	--	--	--
Chromium	ug/l	-- [14]	--	--	--	--	--	--
Cobalt	ug/l	0.9	--	--	--	--	--	--
Copper	ug/l	5	--	--	--	--	--	--
Hexavalent Chromium	ug/l	1 [15]	--	--	--	--	--	--
Iron	ug/l	300	--	--	--	--	--	--
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	-- [16]	--	--	--	--	--	--
Magnesium	ug/l	--	--	--	--	--	--	--
Manganese	ug/l	--	--	--	--	--	--	--
Molybdenum	ug/l	40	--	--	--	--	--	--
Nickel	ug/l	25	--	--	--	--	--	--
Potassium	ug/l	--	--	--	--	--	--	--
Silver	ug/l	0.1	--	--	--	--	--	--
Sodium	ug/l	--	--	--	--	--	--	--
Strontium	ug/l	--	--	--	--	--	--	--
Thallium	ug/l	0.3 [17]	--	--	--	--	--	--
Titanium	ug/l	--	--	--	--	--	--	--
Vanadium	ug/l	6	--	--	--	--	--	--
Zinc	ug/l	30 [11]	--	--	--	--	--	--
Zirconium	ug/l	4 [13]	--	--	--	--	--	--
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	--	--	--	--	--	--

Parameter	Unit	PWQO [1]	SW99-5 18-May-2016 [24] SW99-5	SW99-5 16-Nov-2016 [24] 99-5	SW99-5 31-May-2017 [24] SW99-5	SW99-5 29-Nov-2017 [24] SW99-5	SW99-5 08-Jun-2018 [24] SW99-5	SW99-5 28-Nov-2018 [24] SW99-5
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	--	--	--	--	--	--
1,1-Dichloroethane	ug/l	200	--	--	--	--	--	--
1,1-Dichloroethylene	ug/l	40	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/l	2.5	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/l	4	--	--	--	--	--	--
Methyl Ethyl Ketone	ug/l	400 [13]	--	--	--	--	--	--
Acetone	ug/l	--	--	--	--	--	--	--
Benzene	ug/l	100 [17]	--	--	--	--	--	--
Bromodichloromethane	ug/l	200 [13]	--	--	--	--	--	--
Chlorobenzene	ug/l	15 [19]	--	--	--	--	--	--
Chloroethane	ug/l	--	--	--	--	--	--	--
Chloroform	ug/l	--	--	--	--	--	--	--
Chloromethane	ug/l	700 [13]	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/l	200 [20]	--	--	--	--	--	--
Ethylbenzene	ug/l	8	--	--	--	--	--	--
m,p-Xylenes	ug/l	--	--	--	--	--	--	--
Methylene Chloride	ug/l	100 [21]	--	--	--	--	--	--
o-Xylene	ug/l	40 [17]	--	--	--	--	--	--
Tetrachloroethylene	ug/l	50 [22]	--	--	--	--	--	--
Toluene	ug/l	0.8	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/l	200 [20]	--	--	--	--	--	--
Trichloroethene	ug/l	20	--	--	--	--	--	--
Trichlorofluoromethane	ug/l	--	--	--	--	--	--	--
Vinyl Chloride	ug/l	600 [13]	--	--	--	--	--	--

Parameter	Unit	PWQO [1]	SW99-5 13-Jun-2019 SW99-5	SW99-5 25-Nov-2019 [24] 99-5	SW99-5 11-Jun-2020 [24] 99-5	SW99-5 01-Dec-2020 SW99-5	SW99-5 22-June-2021 SW99-5	SW99-5 2-Nov-2021 SW99-5
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	386	--	--	314	--	419
Ammonia, unionized (Field)	ug/l	20	<20	--	--	<20	--	4.3
Ammonia Nitrogen	ug/l	--	44	--	--	129	--	2080
Biochemical Oxygen Demand, 5 Day	ug/l	--	3000	--	--	6000	--	2000
Bromide	ug/l	--	<250	--	--	<250	--	<250
Chemical Oxygen Demand	ug/l	--	13000	--	--	36000	--	16000
Chloride	ug/l	--	24000	--	--	37000	--	56000
Color	color unit	--	26	--	--	15	--	8000
Conductivity (Field)	uS/cm	--	1095	--	--	928	--	952
Cyanide	ug/l	5 [5]	<5	--	--	<5	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**0.94**	--	--	**0.99**	--	--
Fluoride	ug/l	--	120	--	--	100	--	150
Hardness, Calcium Carbonate	ug/l	--	362000	--	--	344000	--	451000
Nitrate as N	ug/l	--	<100	--	--	<100	--	<100
Nitrite as N	ug/l	--	<100	--	--	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	560	--	--	755	--	2410
pH (Field)	-	6.5 - 8.5	7.3	--	--	7.1	--	7.1
Phosphate, Ortho	ug/l	--	<9.2	--	--	<10	--	<10
Phosphorus	ug/l	-- [7]	19	--	--	**35**	--	**23**
Sulphate	ug/l	--	2000	--	--	19000	--	<1000
Temperature (Field)	deg c	-- [8]	16	--	--	3	--	8.4
Turbidity	ntu	-- [9]	1.8	--	--	37.6	--	>100
Metals								
Aluminum, dissolved	ug/l	-- [10]	<10	--	--	<10	--	<10
Arsenic	ug/l	100 [11]	<1	--	--	<1	--	<1
Barium	ug/l	--	190	--	--	200	--	580
Beryllium	ug/l	-- [12]	<0.5	--	--	<0.5	--	<0.5
Boron	ug/l	200 [13]	120	--	--	160	--	160
Cadmium	ug/l	0.2 [11]	<0.1	--	--	<0.1	--	<0.1
Calcium	ug/l	--	102000	--	--	100000	--	131000
Chromium	ug/l	-- [14]	<1	--	--	<1	--	<1
Cobalt	ug/l	0.9	0.4	--	--	0.3	--	0.4
Copper	ug/l	5	<1	--	--	<1	--	2
Hexavalent Chromium	ug/l	1 [15]	<1	--	--	<0.5	--	<0.5
Iron	ug/l	300	**4750**	--	--	**21900**	--	**28900**
Iron, dissolved	ug/l	300	**2970**	--	--	140	--	**27800**
Lead	ug/l	-- [16]	<1	--	--	<1	--	<1
Magnesium	ug/l	--	26000	--	--	23000	--	30000
Manganese	ug/l	--	1390	--	--	550	--	420
Molybdenum	ug/l	40	<5	--	--	<5	--	<5
Nickel	ug/l	25	<5	--	--	<5	--	<5
Potassium	ug/l	--	1000	--	--	2000	--	3000
Silver	ug/l	0.1	<0.1	--	--	<0.1	--	<0.1
Sodium	ug/l	--	13000	--	--	18000	--	28000
Strontium	ug/l	--	218	--	--	213	--	375
Thallium	ug/l	0.3 [17]	<0.1	--	--	<0.1	--	<0.1
Titanium	ug/l	--	<10	--	--	<10	--	<10
Vanadium	ug/l	6	<1	--	--	<1	--	<1
Zinc	ug/l	30 [11]	<10	--	--	20	--	10
Zirconium	ug/l	4 [13]	<2	--	--	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	1	--	--	**7**	--	1

Parameter	Unit	PWQO [1]	SW99-5 13-Jun-2019 SW99-5	SW99-5 25-Nov-2019 [24] 99-5	SW99-5 11-Jun-2020 [24] 99-5	SW99-5 01-Dec-2020 SW99-5	SW99-5 22-June-2021 SW99-5	SW99-5 2-Nov-2021 SW99-5
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	--	--	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	--	--	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	--	--	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	--	--	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	--	--	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	--	--	<10	--	<10
Acetone	ug/l	--	<30	--	--	<30	--	<30
Benzene	ug/l	100 [17]	<0.5	--	--	<0.5	--	0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	--	--	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	<0.5	--	--	<0.5	--	<0.5
Chloroethane	ug/l	--	<0.2	--	--	<0.2	--	<0.2
Chloroform	ug/l	--	<0.5	--	--	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2	--	--	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	--	<0.4	--	<0.4
Ethylbenzene	ug/l	8	<0.5	--	--	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	<0.4	--	--	<0.4	--	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	--	--	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	<0.4	--	--	<0.4	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	--	--	<0.3	--	<0.3
Toluene	ug/l	0.8	**4.1**	--	--	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	--	--	<0.4	--	<0.4
Trichloroethene	ug/l	20	<0.3	--	--	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	--	--	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	--	--	<0.2	--	<0.2

Parameter	Unit	PWQO [1]	SW99-6 12-Jun-2013 [28] W - 1	SW99-6 19-Nov-2013 [2] W - 1	SW99-6 26-May-2014 [23] SW99-6	SW99-6 27-Nov-2014 Sw-99-6	SW99-6 27-May-2015 [23] SW99-6	SW99-6 20-Nov-2015 [27] S-1
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	139	212	--	232	--	250
Ammonia, unionized (Field)	ug/l	20	<20	<20	--	<20	--	<20
Ammonia Nitrogen	ug/l	--	60	130	--	170	--	129
Biochemical Oxygen Demand, 5 Day	ug/l	--	<1000	<1000	--	2000	--	<1000
Bromide	ug/l	--	<250	<250	--	<250	--	<250
Chemical Oxygen Demand	ug/l	--	35000	20000	--	52000	--	18000
Chloride	ug/l	--	2000	4000	--	3000	--	5000
Color	color unit	--	71	36	--	29	--	31
Conductivity (Field)	uS/cm	--	570	495	--	460	--	465
Cyanide	ug/l	5 [5]	<5	<5	--	<5	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	7.01	9.12	--	9.83	--	**4.12**
Fluoride	ug/l	--	100	110	--	<100	--	<100
Hardness, Calcium Carbonate	ug/l	--	151000	253000	--	258000	--	270000
Nitrate as N	ug/l	--	<100	<100	--	190	--	<100
Nitrite as N	ug/l	--	<100	<100	--	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	570	530	--	1580	--	660
pH (Field)	-	6.5 - 8.5	7.5	7.6	--	7.92	--	7.5
Phosphate, Ortho	ug/l	--	30	<90	--	<30	--	<30
Phosphorus	ug/l	-- [7]	**40**	<10	--	**80**	--	**<50**
Sulphate	ug/l	--	7000	9000	--	9000	--	7000
Temperature (Field)	deg c	-- [8]	16	4	--	5.4	--	6
Turbidity	ntu	-- [9]	1.1	2.8	--	4.9	--	1.7
Metals								
Aluminum, dissolved	ug/l	-- [10]	40	30	--	30	--	30
Arsenic	ug/l	100 [11]	<1	<1	--	<1	--	<1
Barium	ug/l	--	10	20	--	30	--	20
Beryllium	ug/l	-- [12]	<0.5	<0.5	--	<0.5	--	<0.5
Boron	ug/l	200 [13]	<10	20	--	20	--	20
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	--	<0.1	--	<0.1
Calcium	ug/l	--	44000	75000	--	77000	--	80000
Chromium	ug/l	-- [14]	1	3	--	<1	--	2
Cobalt	ug/l	0.9	0.4	0.5	--	0.5	--	0.3
Copper	ug/l	5	2	1	--	3	--	2
Hexavalent Chromium	ug/l	1 [15]	<0.5	0.22	--	<10	--	<1
Iron	ug/l	300	**370**	**770**	--	**4330**	--	**760**
Iron, dissolved	ug/l	300	--	--	--	--	--	--
Lead	ug/l	-- [16]	<1	<1	--	<1	--	<1
Magnesium	ug/l	--	10000	16000	--	16000	--	17000
Manganese	ug/l	--	150	450	--	680	--	550
Molybdenum	ug/l	40	<5	<5	--	<5	--	<5
Nickel	ug/l	25	<5	<5	--	<5	--	<5
Potassium	ug/l	--	2000	2000	--	2000	--	2000
Silver	ug/l	0.1	<0.1	<0.1	--	<0.1	--	<0.1
Sodium	ug/l	--	<2000	3000	--	3000	--	3000
Strontium	ug/l	--	71	131	--	157	--	147
Thallium	ug/l	0.3 [17]	<0.1	<0.1	--	<0.1	--	<0.1
Titanium	ug/l	--	<10	<10	--	<10	--	<10
Vanadium	ug/l	6	2	2	--	<1	--	<1
Zinc	ug/l	30 [11]	<10	<10	--	<10	--	<10
Zirconium	ug/l	4 [13]	<2	<2	--	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	--	<1	--	--

Parameter	Unit	PWQO [1]	SW99-6 12-Jun-2013 [28] W - 1	SW99-6 19-Nov-2013 [2] W - 1	SW99-6 26-May-2014 [23] SW99-6	SW99-6 27-Nov-2014 Sw-99-6	SW99-6 27-May-2015 [23] SW99-6	SW99-6 20-Nov-2015 [27] S-1
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	--	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	--	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	--	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	--	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	--	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	--	<10	--	<10
Acetone	ug/l	--	<50	<50	--	<50	--	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	--	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	--	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	--	<0.2	--	<0.2
Chloroethane	ug/l	--	<0.2	<0.2	--	<0.2	--	<0.2
Chloroform	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	--	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	--	<0.4	--	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	--	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	--	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	<0.5	<0.5	--	<0.5	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	--	<0.3	--	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	--	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	--	<0.4	--	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	--	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	--	<0.2	--	<0.2

Parameter	Unit	PWQO [1]	SW99-6 18-May-2016 W-1	SW99-6 16-Nov-2016 99-6	SW99-6 31-May-2017 W-1	SW99-6 29-Nov-2017 SW 99-6	SW99-6 08-Jun-2018 SW99-6	SW99-6 28-Nov-2018 SW-99-6
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	--[4]	220	218	228	196	246	136
Ammonia, unionized (Field)	ug/l	20	<20	<20	20	<20	<20	<20
Ammonia Nitrogen	ug/l	--	<25	<50	60	110	<20	100
Biochemical Oxygen Demand, 5 Day	ug/l	--	1000	<1000	<1000	<1000	<1000	2000
Bromide	ug/l	--	<250	<250	<250	<250	<250	<250
Chemical Oxygen Demand	ug/l	--	23000	24000	22000	10000	17000	22000
Chloride	ug/l	--	4000	7000	4000	2000	<1000	4000
Color	color unit	--	18	50	33	36	23	62
Conductivity (Field)	uS/cm	--	411	705	395	405	485	275
Cyanide	ug/l	5[5]	<2	<5	<5	<5	<5	<5
Dissolved Oxygen (Field)	mg/l	--[6]	**2.68**	**3.11**	**3.24**	7.41	**5.95**	**6.99**
Fluoride	ug/l	--	130	<100	120	110	110	130
Hardness, Calcium Carbonate	ug/l	--	233000	250000	237000	213000	240000	149000
Nitrate as N	ug/l	--	630	220	110	0.20	110	<100
Nitrite as N	ug/l	--	<100	<100	<100	<0.10	<100	<100
Nitrogen, Total Kjeldahl	ug/l	--	410	1100	<800	<800	700	500
pH (Field)	-	6.5 - 8.5	7.8	7.5	7.7	7.6	7.7	7.04
Phosphate, Ortho	ug/l	--	<30	<100	<30	90	<30	<30
Phosphorus	ug/l	--[7]	**40**	**50**	<10	20	**65**	24
Sulphate	ug/l	--	4000	18000	4000	9000	<1000	13000
Temperature (Field)	deg c	--[8]	8	9.8	9	4.0	12	3.3
Turbidity	ntu	--[9]	2.0	6.2	3.2	1.4	5.2	0.9
Metals								
Aluminum, dissolved	ug/l	--[10]	<10	20	30	30	10	40
Arsenic	ug/l	100[11]	<1	<1	<1	<1	<1	<1
Barium	ug/l	--	20	20	20	20	20	10
Beryllium	ug/l	--[12]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	ug/l	200[13]	20	10	20	10	20	<10
Cadmium	ug/l	0.2[11]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	ug/l	--	72000	77000	72000	64000	73000	43000
Chromium	ug/l	--[14]	<1	<1	<1	<1	<1	<1
Cobalt	ug/l	0.9	<0.2	0.6	0.5	0.4	0.6	0.3
Copper	ug/l	5	<1	3	1	1	1	3
Hexavalent Chromium	ug/l	1[15]	<10	<10	<1	<1	<10	<10
Iron	ug/l	300	**1410**	**890**	**680**	**620**	**2620**	250
Iron, dissolved	ug/l	300	--	--	--	**490**	150	220
Lead	ug/l	--[16]	<1	<1	<1	<1	<1	<1
Magnesium	ug/l	--	13000	14000	14000	13000	14000	10000
Manganese	ug/l	--	160	300	380	320	660	120
Molybdenum	ug/l	40	<5	<5	<5	<5	<5	<5
Nickel	ug/l	25	<5	<5	<5	<5	<5	<5
Potassium	ug/l	--	2000	2000	2000	1000	2000	1000
Silver	ug/l	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	ug/l	--	4000	3000	3000	2000	3000	2000
Strontium	ug/l	--	154	142	120	104	140	66
Thallium	ug/l	0.3[17]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium	ug/l	--	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	6	<1	<1	<1	<1	<1	<1
Zinc	ug/l	30[11]	<10	<10	<10	<10	<10	<10
Zirconium	ug/l	4[13]	<2	<2	<2	<2	<2	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1[18]	<1	**2**	<1	**3**	<1	<1

Parameter	Unit	PWQO [1]	SW99-6 18-May-2016 W-1	SW99-6 16-Nov-2016 99-6	SW99-6 31-May-2017 W-1	SW99-6 29-Nov-2017 SW 99-6	SW99-6 08-Jun-2018 SW99-6	SW99-6 28-Nov-2018 SW-99-6
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	<10	<10	<10	<10
Acetone	ug/l	--	<30	<30	<30	<30	<30	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene	ug/l	15 [19]	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	ug/l	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

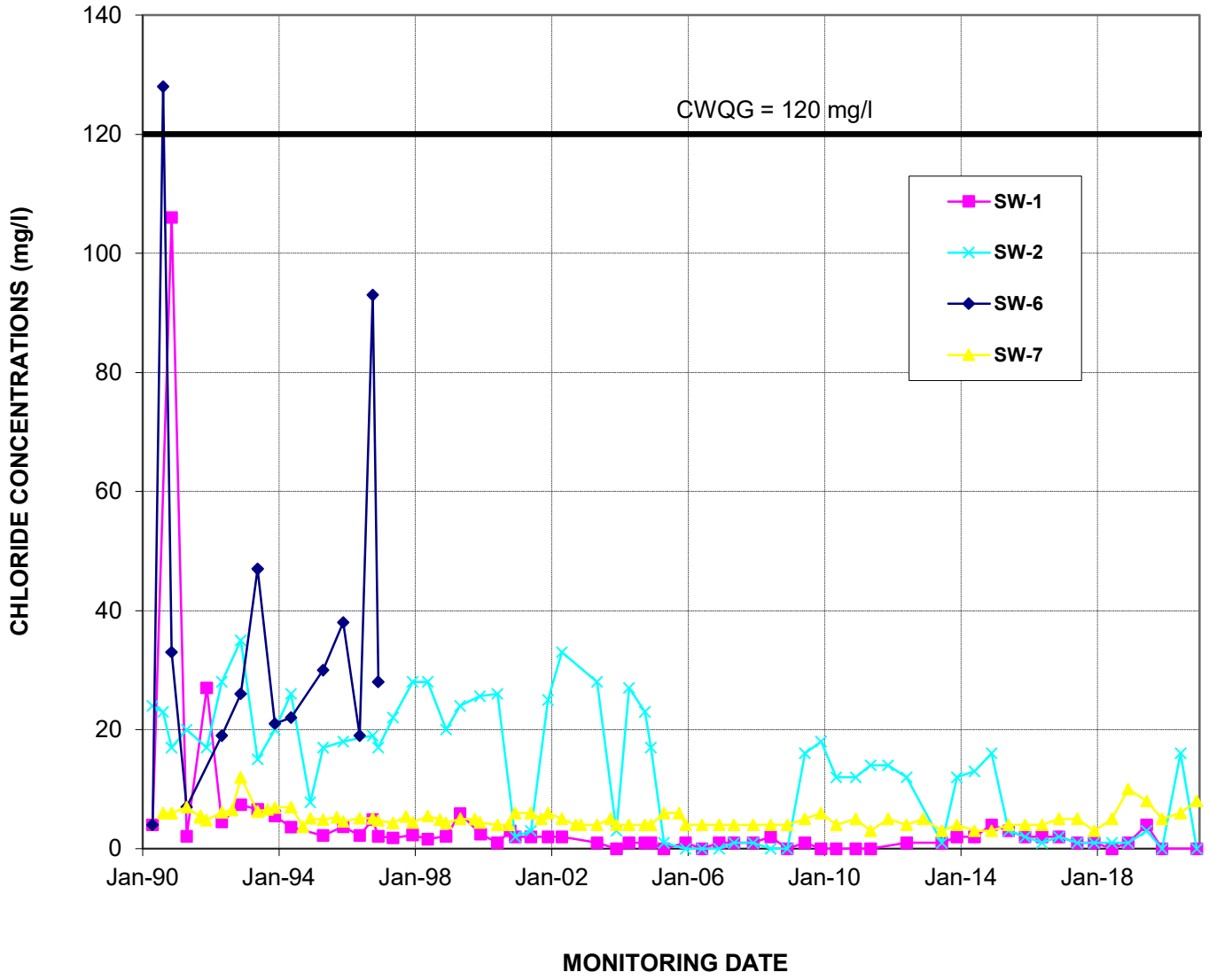
Parameter	Unit	PWQO [1]	SW99-6 13-Jun-2019 SW99-6	SW99-6 25-Nov-2019 99-6	SW99-6 11-Jun-2020 [23] SW99-6	SW99-6 01-Dec-2020 SW99-4	SW99-6 22-Jun-2021 SW99-4	SW99-6 2-Nov-2021 SW99-4
General Chemistry								
Alkalinity (Total as CaCO3)	mg/l	-- [4]	206	198	--	167	--	200
Ammonia, unionized (Field)	ug/l	20	<20	<20	--	<20	--	0.04
Ammonia Nitrogen	ug/l	--	129	<10	--	12	--	<10
Biochemical Oxygen Demand, 5 Day	ug/l	--	1000	3000	--	3000	--	<1000
Bromide	ug/l	--	<250	<250	--	<250	--	<250
Chemical Oxygen Demand	ug/l	--	17000	19000	--	23000	--	16000
Chloride	ug/l	--	4000	3000	--	3000	--	3000
Color	color unit	--	36	32	--	50		32
Conductivity (Field)	uS/cm	--	490	475	--	832	--	409
Cyanide	ug/l	5 [5]	<5	<5	--	<5	--	<5
Dissolved Oxygen (Field)	mg/l	-- [6]	**4.88**	**6.99**	--	**4.38**	**--**	**--**
Fluoride	ug/l	--	120	120	--	<100	--	110
Hardness, Calcium Carbonate	ug/l	--	189000	251000	--	175000	--	232000
Nitrate as N	ug/l	--	120	<100	--	<100	--	200
Nitrite as N	ug/l	--	<100	<100	--	<100	--	<100
Nitrogen, Total Kjeldahl	ug/l	--	670	400	--	588	--	822
pH (Field)	-	6.5 - 8.5	7.6	7.5	--	7.59	--	7.3
Phosphate, Ortho	ug/l	--	<9.2	<10	--	<10	--	<10
Phosphorus	ug/l	-- [7]	20	10	--	26	--	17
Sulphate	ug/l	--	3000	11000	--	17000	--	23000
Temperature (Field)	deg c	-- [8]	11.5	1.2	--	4	--	11.9
Turbidity	ntu	-- [9]	3.0	1.6	--	1.3	--	1.9
Metals								
Aluminum, dissolved	ug/l	-- [10]	20	40	--	40	--	40
Arsenic	ug/l	100 [11]	<1	<1	--	<1	--	<1
Barium	ug/l	--	20	20	--	10	--	20
Beryllium	ug/l	-- [12]	<0.5	<0.5	--	<0.5	--	<0.5
Boron	ug/l	200 [13]	10	20	--	10	--	20
Cadmium	ug/l	0.2 [11]	<0.1	<0.1	--	<0.1	--	<0.1
Calcium	ug/l	--	56000	74000	--	52000	--	68000
Chromium	ug/l	-- [14]	<1	<1	--	<1	--	<1
Cobalt	ug/l	0.9	0.4	0.5	--	0.3	--	<0.2
Copper	ug/l	5	<1	1	--	3	--	2
Hexavalent Chromium	ug/l	1 [15]	<1	<1	--	<0.5	--	<0.5
Iron	ug/l	300	**490**	**510**	--	290	--	140
Iron, dissolved	ug/l	300	**330**	**420**	--	210	--	140
Lead	ug/l	-- [16]	<1	<1	--	<1	--	<1
Magnesium	ug/l	--	12000	16000	--	11000	--	15000
Manganese	ug/l	--	400	380	--	100	--	20
Molybdenum	ug/l	40	<5	<5	--	<5	--	<5
Nickel	ug/l	25	<5	<5	--	<5	--	<5
Potassium	ug/l	--	1000	1000	--	1000	--	<1000
Silver	ug/l	0.1	<0.1	<0.1	--	<0.1	--	<0.1
Sodium	ug/l	--	2000	3000	--	2000	--	3000
Strontium	ug/l	--	115	103	--	74	--	122
Thallium	ug/l	0.3 [17]	<0.1	<0.1	--	<0.1	--	<0.1
Titanium	ug/l	--	<10	<10	--	<10	--	<10
Vanadium	ug/l	6	<1	<1	--	<1	--	<1
Zinc	ug/l	30 [11]	<10	<10	--	<10	--	<10
Zirconium	ug/l	4 [13]	<2	<2	--	<2	--	<2
Phenols								
Phenolics, Total Recoverable	ug/l	1 [18]	<1	<1	--	**2**	**--**	<1

Parameter	Unit	PWQO [1]	SW99-6 13-Jun-2019 SW99-6	SW99-6 25-Nov-2019 99-6	SW99-6 11-Jun-2020 [23] SW99-6	SW99-6 01-Dec-2020 SW99-4	SW99-6 22-Jun-2021 SW99-4	SW99-6 2-Nov-2021 SW99-4
VOCs								
1,1,2,2-Tetrachloroethane	ug/l	70	<0.5	<0.5	--	<0.5	--	<0.5
1,1-Dichloroethane	ug/l	200	<0.4	<0.4	--	<0.4	--	<0.4
1,1-Dichloroethylene	ug/l	40	<0.5	<0.5	--	<0.5	--	<0.5
1,2-Dichlorobenzene	ug/l	2.5	<0.4	<0.4	--	<0.4	--	<0.4
1,4-Dichlorobenzene	ug/l	4	<0.4	<0.4	--	<0.4	--	<0.4
Methyl Ethyl Ketone	ug/l	400 [13]	<10	<10	--	<10	--	<10
Acetone	ug/l	--	<30	<30	--	<30	--	<30
Benzene	ug/l	100 [17]	<0.5	<0.5	--	<0.5	--	<0.5
Bromodichloromethane	ug/l	200 [13]	<0.3	<0.3	--	<0.3	--	<0.3
Chlorobenzene	ug/l	15 [19]	<0.5	<0.5	--	<0.5	--	<0.5
Chloroethane	ug/l	--	<0.2	<0.2	--	<0.2	--	<0.2
Chloroform	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.5
Chloromethane	ug/l	700 [13]	<0.2	<0.2	--	<0.2	--	<0.2
cis-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	--	<0.4	--	<0.4
Ethylbenzene	ug/l	8	<0.5	<0.5	--	<0.5	--	<0.5
m,p-Xylenes	ug/l	--	<0.4	<0.4	--	<0.4	--	<0.4
Methylene Chloride	ug/l	100 [21]	<4.0	<4.0	--	<4.0	--	<4.0
o-Xylene	ug/l	40 [17]	<0.4	<0.4	--	<0.4	--	<0.4
Tetrachloroethylene	ug/l	50 [22]	<0.3	<0.3	--	<0.3	--	<0.3
Toluene	ug/l	0.8	**4.0**	<0.5	--	<0.5	--	<0.5
trans-1,2-Dichloroethene	ug/l	200 [20]	<0.4	<0.4	--	<0.4	--	<0.4
Trichloroethene	ug/l	20	<0.3	<0.3	--	<0.3	--	<0.3
Trichlorofluoromethane	ug/l	--	<0.5	<0.5	--	<0.5	--	<0.5
Vinyl Chloride	ug/l	600 [13]	<0.2	<0.2	--	<0.2	--	<0.2

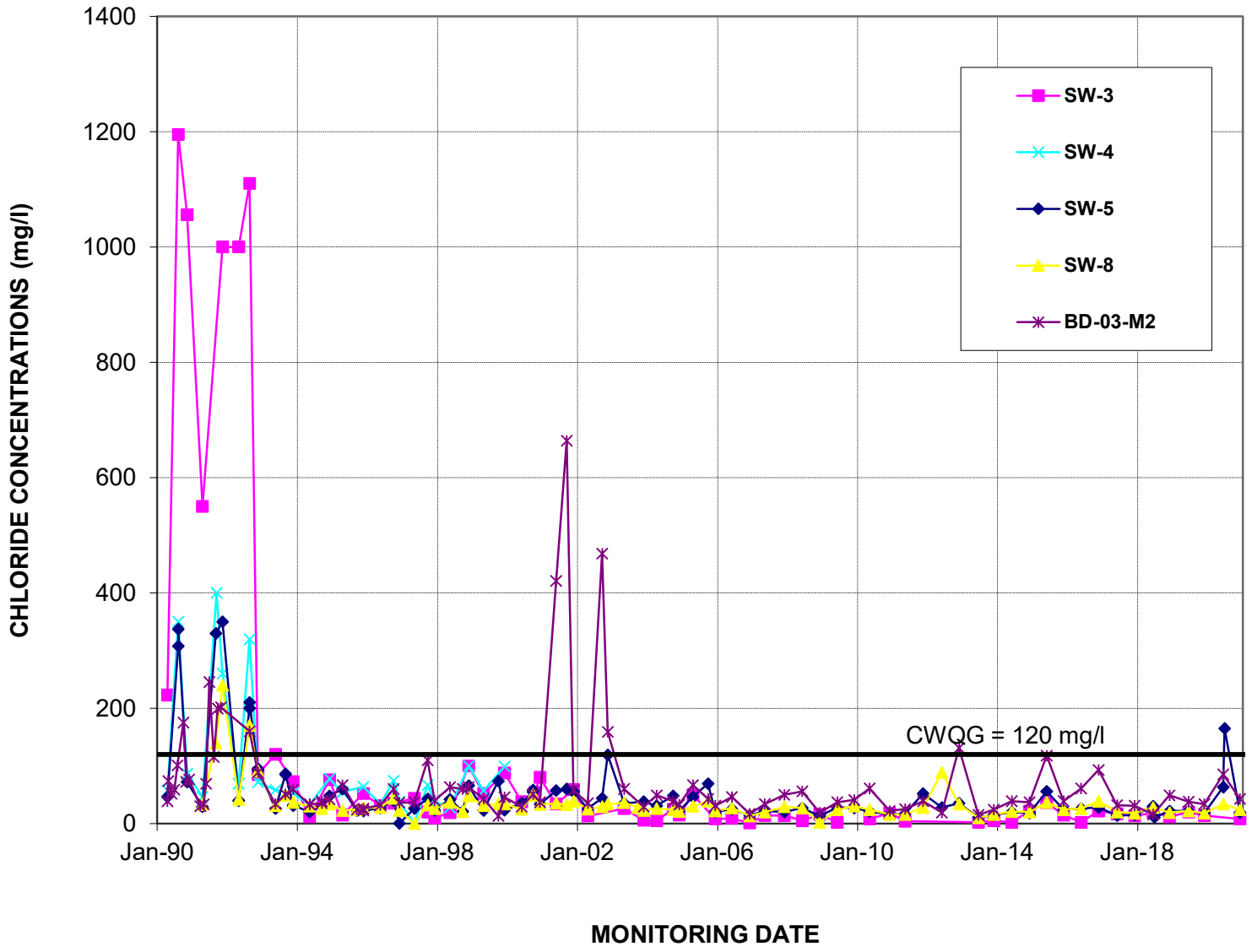
Footnotes:

	Tables should be read in conjunction with the accompanying document.
<	Indicates parameter not detected above laboratory method detection limit.
>	Indicates parameter detected above equipment analytical range.
--	Chemical not analyzed or criteria not defined.
Value	Parameter is greater than PWQO
(1)	Provincial Water Quality Objectives (July 1994, reprinted February 1999)
(2)	Holding time for turbidity analysis was exceeded. Due to lab error (incorrect bottle type) the CrVI results should be interpreted with caution. Sample was subcontracted for Chromium (VI) analysis.
(3)	CrVI subcontracted for analysis (method: MOE E3056).
(4)	Alkalinity should not be decreased by more than 25% of the natural concentration.
(5)	PWQO is for free cyanide in an unfiltered water sample.
(6)	Objective depends on water temperature and biota. Dissolved oxygen concentrations should not be less than the values specified in the PWQO document for cold water biota (e.g. salmonid fish communities) and warm water biota (e.g. centrarchid fish communities).
(7)	Current scientific evidence is insufficient to develop a firm Objective at this time. Accordingly, the following phosphorus concentrations should be considered as general guidelines which should be supplemented by site-specific studies: To avoid nuisance concentrations of algae in lakes, average total phosphorus concentrations for the ice-free period should not exceed 20 ug/L; A high level of protection against aesthetic deterioration will be provided by a total phosphorus concentration for the ice-free period of 10 ug/L or less. This should apply to all lakes naturally below this value; Excessive plant growth in rivers and streams should be eliminated at a total phosphorus concentration below 30 ug/L.
(8)	(1) General: The natural thermal regime of any body of water shall not be altered so as to impair the quality of the natural environment. In particular, the diversity, distribution and abundance of plant and animal life shall not be significantly changed. (2) Waste Heat Discharge: (a) Ambient Temperature Changes: The temperature at the edge of a mixing zone shall not exceed the natural ambient water temperature at a representative control location by more than 10°C (18°F). However, in special circumstances, local conditions may require a significantly lower temperature difference than 10°C (18°F). Potential dischargers are to apply to the MOEE for guidance as to the allowable temperature rise for each thermal discharge. This ministry will also specify the nature of the mixing zone and the procedure for the establishment of a representative control location for temperature recording on a case-by-case basis. (b) Discharge Temperature Permitted: The maximum temperature of the receiving body of water, at any point in the thermal plume outside a mixing zone, shall not exceed 30°C (86°F) or the temperature of a representative control location plus 10°C (18°F) or the allowed temperature difference, which ever is the lesser temperature. These maximum temperatures are to be measured on a mean daily basis from continuous records. (c) Taking and Discharging of Cooling Water: Users of cooling water shall meet both the Objectives for temperature outlined above and the "Procedures for the Taking and Discharge of Cooling Water" as outlined in the MOEE publication Deriving Receiving-Water Based, Point-Source Effluent Requirements for Ontario Waters(1994).
(9)	Suspended matter should not be added to surface water in concentrations that will change the natural Secchi disc reading by more than 10 percent.
(10)	At pH 4.5 to 5.5 the Interim PWQO is 15 µg/L based on inorganic monomeric aluminum measure in clay-free samples; At pH > 5.5 to 6.5, no condition should be permitted which would increase the acid soluble inorganic aluminum concentration in clay-free samples to more than 10% above natural background concentrations for waters representative of that geological area of the Province that are unaffected by man-made inputs. At pH > 6.5 to 9.0, the Interim PWQO is 75 µg/L based on total aluminum measured in clay-free samples. If natural background aluminum concentrations in water bodies unaffected by man-made inputs are greater than the numerical Interim PWQO (above), no condition is permitted that would increase the aluminum concentration in clay-free samples by more than 10% of the natural background level. Note: pH values of < 6.5 and > 8.5 are outside the range considered acceptable by the PWQO for pH. See the Scientific Criteria Document for Development of Provincial Water Quality Objectives and Guidelines - Aluminum for a discussion of analytical procedures.
(11)	An Interim PWQO also exists for this parameter. See Section 1.10 of the PWQO - Where both a PWQO and an Interim PWQO exist.
(12)	If hardness as CaCO3 < 75 mg/L, PWQO = 11 µg/L; if hardness as CaCO3 > 75 mg/L, PWQO = 1100 µg/L.
(13)	See Section 1.2.3. of PWQO. This Interim PWQO was set for emergency purposes based on the best information readily available. Employ due caution when applying this value.
(14)	PWQO values exist for Cr(III) and Cr(VI)
(15)	Adopted Canadian Water Quality Guidelines.
(16)	If alkalinity as CaCO3 < 20 mg/L, PWQO = 5 µg/L; if alkalinity as CaCO3 from 20 to 40 mg/L, PWQO = 10 µg/L; if alkalinity as CaCO3 from 40 to 80 mg/L, PWQO = 20 µg/L; if alkalinity as CaCO3 > 80 mg/L, PWQO = 25 ug/L. An Interim PWQO also exists for this parameter. See Section 1.10 of the PWQO - Where both a PWQO and an Interim PWQO exist.
(17)	See Section 1.2.2. of PWQO. This Interim PWQO is currently under development. The value is subject to change upon publication by MOEE.
(18)	Determined by the total reactive phenols test - the 4-AAP (4-amino-antipyrine) test. This objective should be used primarily as a screening tool. The isomer specific PWQOs for various phenolics should be employed where possible.
(19)	Common synonym - monochlorobenzene.
(20)	Interim PWQO applies to both the cis & trans 1,2-dichloroethylene.
(21)	Common synonym - dichloromethane. See Section 1.2.3. of PWQO. This Interim PWQO was set for emergency purposes based on the best information readily available. Employ due caution when applying this value.
(22)	Synonym-perchloroethylene or perc.
(23)	Monitoring location was dry during this sampling event. No sample was collected.
(24)	Insufficient water available for sample collection.
(25)	Holding time for turbidity analysis was exceeded. Due to lab error (incorrect bottle type) the CrVI results should be interpreted with caution. Phenols MRL elevated due to matrix interference (dilution was done). Sample was subcontracted for Chromium (VI) analysis.
(26)	Sample was filtered prior to O-PO4 analysis.
(27)	Holding time for turbidity analysis was exceeded.
(28)	All samples were subcontracted for CrVI analysis.
(29)	Sample was poured off and filtered into bottles containing nitric acid, and held 24 hours prior to Metals analysis.
(30)	Fe (dissolved) from client's bottle is greater than Fe; results have been confirmed.

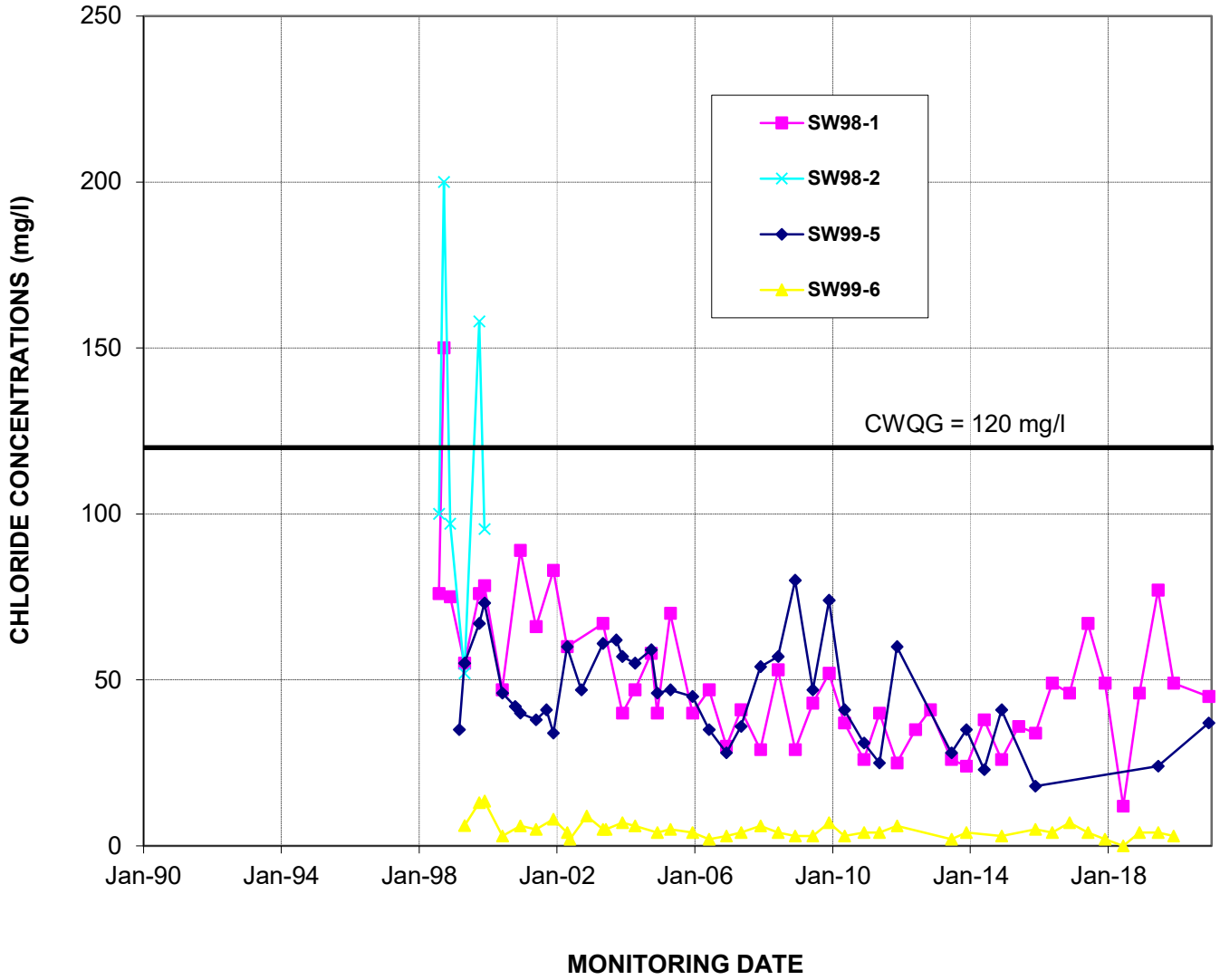
APPENDIX 11
Chloride Concentration Trends in Surface Water



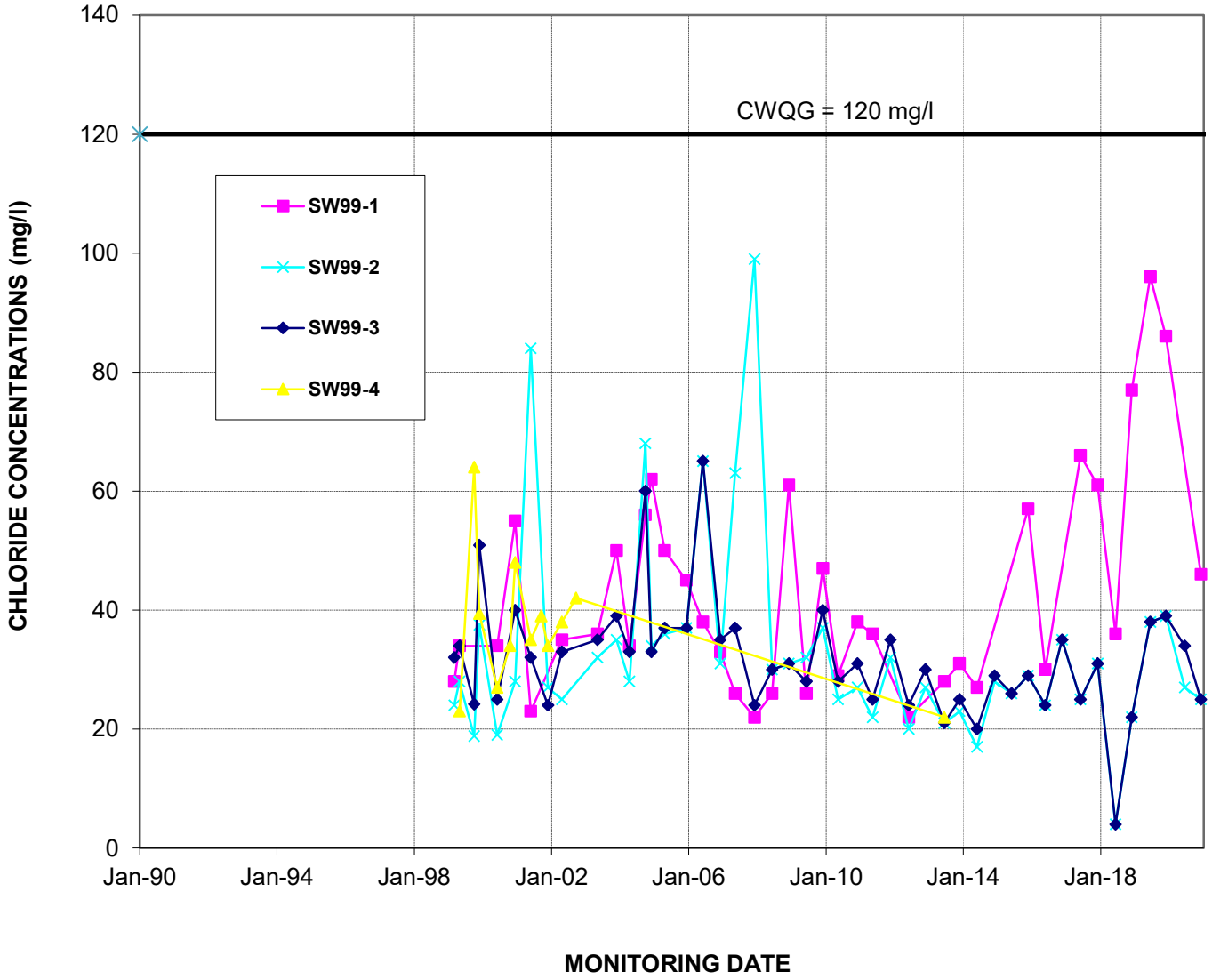
GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS SURFACE WATER**	Figure 1



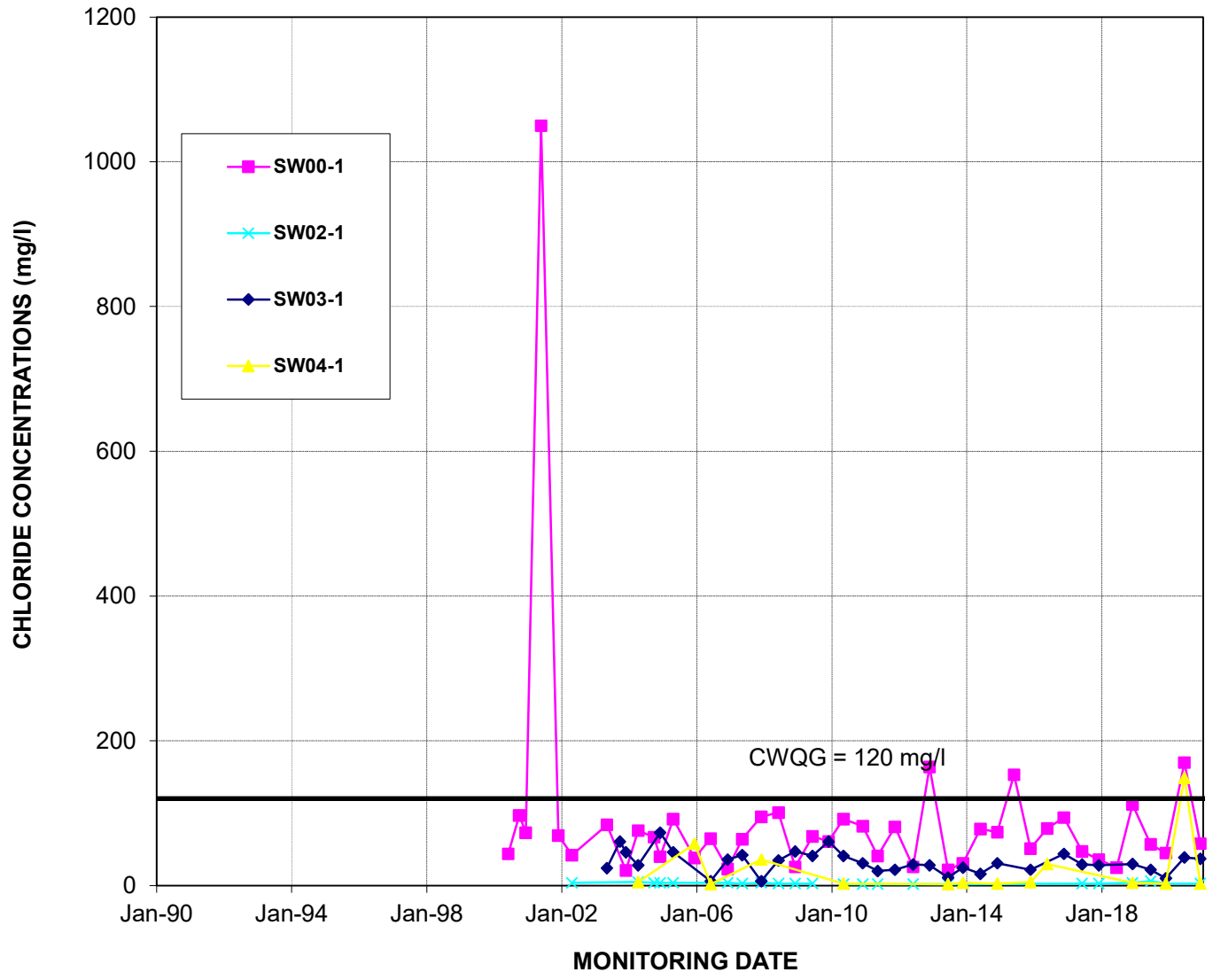
GOLDER	May 2021	Created by: SPS	**HISTORICAL CHLORIDE CONCENTRATIONS SURFACE WATER**	Figure 2
	21452058	Checked by: LEB		



GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS SURFACE WATER**	Figure 3



GOLDER MEMBER OF WSP	May 2021	Created by: SPS	**HISTORICAL CHLORIDE CONCENTRATIONS SURFACE WATER**	Figure 4
	21452058	Checked by: LEB		



GOLDER MEMBER OF WSP	May 2021 21452058	Created by: SPS Checked by: LEB	**HISTORICAL CHLORIDE CONCENTRATIONS SURFACE WATER**	Figure 5

APPENDIX 12
Leachate Collection System Monitoring Results

BROCKVILLE
CITY OF THE 1000 ISLANDS

January 10, 2022

J2PG Consultants Inc.
1150 Morrison Drive
Suite 410
Ottawa, Ontario
K2H 8S9

Attention: Helena Vaughan/Kevin Mooder

Re: Brockville WPCC Leachate Pumping Station 2021 Analytical Results

Please find attached the Brockville WPCC Leachate Pumping Station 2021 Analytical Results. All parameters are in compliance with our Sewer Use By-law (046-2014).

As requested by MECP, the surface water sampling for location SW-5 continued for the entire 2021 year.

If you have any questions, please contact the undersigned.

Yours truly,

WASTEWATER SYSTEMS DIVISION

Brandon Goddard
Supervisor – Wastewater Systems

Attach.

Copy: Peter Raabe, Director of Engineering and Infrastructure
Lyndsay d'Entremont, Solid Waste Officer

City of Brockville
1 King Street West, P.O. Box 5000
Brockville, Ontario, Canada K6V 7A5
Tel.: (613) 342-8772 Fax: (613) 345-7589

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

January 2021	Landfill leachate - grab		Landfill leachate-24 hr composite					
	Temperature (degrees C)	Dissolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m^3/d)
1								1,082.49
2								1,032.47
3								999.51
4			11	7.40	4.76	5	704	957.84
5	10.60	8.75						961.13
6								968.13
7								960.31
8								954.17
9								934.35
10								915.71
11			21	7.51				949.88
12	6.70	10.26						971.79
13								956.18
14								931.17
15								928.98
16								962.17
17								952.85
18			14	7.40				894.62
19	6.60	9.22						888.35
20								869.39
21								867.74
22								842.64
23								817.15
24								812.06
25			19	7.27				796.37
26	7.30	9.29						778.84
27								755.43
28								748.12
29								730.0
30								718.2
31								716.3
Average	7.80	9.38	16	7.40	4.76	5	704	892.08
Minimum	6.60	8.75	11	7.27	4.76	5	704	716.3
Maximum	10.60	10.26	21	7.51	4.76	5	704	1,082.49
Count	4	4	4	4	1	1	1	31
Total								27,654.34
95 Percentile								
Exceedences	0	0	0	0	0	0	0	0

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

	Landfill leachate - grab		Landfill leachate-24 hr composite					
February 2021	Temperature (degrees C)	Dissolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m^3/d)
1			27	7.34	8.55	10	708	707.5
2	10.60	9.36						777.1
3								769.39
4								760.47
5								753.40
6								735.16
7								725.11
8			21	7.43				711.38
9	6.30	9.99						717.66
10								712.23
11								699.39
12								694.61
13								730.33
14								730.53
15			31	7.37				677.96
16								666.58
17	5.6	9.47						619.23
18								609.13
19								609.02
20								595.25
21								588.86
22			20	7.66				600.37
23	6.2	8.72						588.21
24								580.9
25								577.2
26								578.5
27								591.18
28								621.23

Average	7.18	9.39	25	7.45	8.55	10	708	668.85
Minimum	5.6	8.72	20	7.34	8.55	10	708	577.2
Maximum	10.60	9.99	31	7.66	8.55	10	708	777.1
Count	4	4	4	4	1	1	1	28
Total								18,727.88
95 Percentile Exceedences	0	0	0	0	0	0	0	0

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

March 2021	Landfill leachate - grab		Landfill leachate-24 hr composite					
	Temperature (degrees C)	Dissolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m^3/d)
1			46	7.48	19.8	8	677	808.44
2	8.00	9.67						801.17
3								778.31
4								757.7
5								740.4
6								725.9
7								708.96
8			12	7.36				710.6
9								703.4
10	6.00	9.34						757.09
11								1,600.54
12								2,158.25
13								2,160.64
14								1,541.07
15			17	7.41				1,151.93
16								1,049.50
17	4.7	9.7						1,064.59
18								1,106.12
19								1,071.34
20								1,069.29
21								1,088.48
22			10	7.47				1,096.30
23	5.70	10.13						1,075.19
24								1,052.45
25								1,054.08
26								1,372.88
27								1,420.92
28								1,412.50
29			13	7.37				1,325.99
30	9.00	9.33						1,232.26
31								1,134.21

Average	6.68	9.63	20	7.42	19.8	8	677	1,120.34
Minimum	4.7	9.33	10	7.36	19.8	8	677	703.4
Maximum	9.00	10.13	46	7.48	19.8	8	677	2,160.64
Count	5	5	5	5	1	1	1	31
Total								34,730.50
95 Percentile								
Exceedences	0	0	0	0	0	0	0	0

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

April 2021	Landfill leachate - grab		Landfill leachate-24 hr composite					
	Temperature (degrees C)	Dissolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m³/d)
1								1,072.54
2								1,019.52
3								980.15
4								951.31
5								920.61
6			10	7.33		4	700	895.87
7	7.70	10.04						868.61
8								839.6
9								819.6
10								800.0
11								791.2
12			14	7.40	5.60			776.5
13	8.00	9.15						753.9
14								732.53
15								727.68
16								723.67
17								713.25
18								720.40
19			14	7.56				719.25
20	10.70	8.94						703.58
21								691.71
22								684.55
23								687.04
24								685.54
25								674.53
26			18	7.48				666.20
27	8.00	8.88						662.59
28								687.80
29								735.59
30								1,077.30

Average	8.60	9.25	14	7.44	5.60	4	700	792.75
Minimum	7.70	8.88	10	7.33	5.60	4	700	662.59
Maximum	10.70	10.04	18	7.56	5.60	4	700	1,077.30
Count	4	4	4	4	1	1	1	30
Total								23,782.62
95 Percentile Exceedences	0	0	0	0	0	0	0	0

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

May 2021	Landfill leachate - grab		Landfill leachate-24 hr composite					
	Temperature (degrees C)	Diasolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m^3/d)
1								1,419.03
2								1,250.01
3			17	7.52	6.70	3	728	997.92
4	8.20	7.40						909.79
5								853.22
6								808.63
7								785.47
8								822.2
9								810.65
10			11	7.50				776.17
11	7.60	7.59						743.84
12								721.66
13								723.5
14								731.0
15								726.6
16								723.78
17			17	7.58				707.78
18	11.00	8.64						699.1
19								679.66
20								666.08
21								661.37
22								654.04
23								644.70
24			22	7.58				629.75
25								624.69
26	13.7	7.71						708.31
27								648.42
28								636.47
29								617.14
30								600.50
31			24	7.56				584.74
Average	10.13	7.84	18	7.55	6.70	3	728	760.20
Minimum	7.60	7.40	11	7.50	6.70	3	728	584.74
Maximum	13.7	8.64	24	7.58	6.70	3	728	1,419.03
Count	4	4	5	5	1	1	1	31
Total								23,566.22
95 Percentile Exceedences	0	0	0	0	0	0	0	0

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

	Landfill leachate - grab		Landfill leachate-24 hr composite					
June 2021	Temperature (degrees C)	Dissolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m³/d)
1	12.10	7.78						569.93
2								558.30
3								565.86
4								562.38
5								548.27
6								531.88
7			26	7.64	10.4	8.00	1,183	521.15
8	13.70	7.72						517.94
9								504.35
10								495.98
11								501.9
12								498.19
13								470.25
14			32	7.50				468.01
15	14.30	7.23						455.29
16								453.72
17								447.17
18								448.41
19								431.73
20								424.6
21			33	7.47				433.7
22	13.10	5.87						444.29
23								440.56
24								446.94
25								451.64
26								463.92
27								455.65
28			32	7.53				454.48
29	17.40	6.85						456.98
30								458.81

Average	14.12	7.09	31	7.54	10.4	8.00	1,183	482.74
Minimum	12.10	5.87	26	7.47	10.4	8.00	1,183	424.6
Maximum	17.40	7.78	33	7.64	10.4	8.00	1,183	569.93
Count	5	5	4	4	1	1	1	30
Total								14,482.28
95 Percentile Exceedences	0	0	0	0	0	0	0	0

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

July 2021	Landfill leachate - grab		Landfill leachate-24 hr composite					
	Temperature (degrees C)	Dissolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m^3/d)
1								464.11
2								464.88
3								448.83
4								432.23
5			68	7.63	28.8	9	1,234	198.19
6	14.30	7.17						139.43
7								123.28
8								174.39
9								217.32
10								195.68
11								185.84
12			30	7.61				170.27
13	15.00	6.08						193.7
14								282.28
15								269.73
16								270.34
17								268.22
18								269.51
19			22	7.62				264.71
20	16.00	6.88						275.54
21								283.17
22								271.07
23								267.3
24								266.75
25								258.16
26			26	7.52				239.41
27	15.60	6.85						233.71
28								223.96
29								228.96
30								208.22
31								193.31

Average	15.23	6.75	37	7.60	28.8	9	1,234	257.50
Minimum	14.30	6.08	22	7.52	28.8	9	1,234	123.28
Maximum	16.00	7.17	68	7.63	28.8	9	1,234	464.88
Count	4	4	4	4	1	1	1	31
Total								7,982.50
95 Percentile								
Exceedences	0	0	0	0	0	0	0	0

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

August 2021	Landfill leachate - grab		Landfill leachate-24 hr composite					
	Temperature (degrees C)	Dissolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m^3/d)
1								189.23
2			16	7.94		12	877	170.46
3								155.98
4	14.9	6.70						145.94
5								134.45
6								126.87
7								134.10
8								119.69
9			25	7.64	9.62			116.18
10	16.60	6.35						116.77
11								113.66
12								107.40
13								103.50
14								96.69
15								90.73
16			38	7.56				90.82
17	16.00	6.83						93.48
18								88.33
19								90.11
20								87.54
21								82.46
22								84.31
23			37	7.51				78.97
24	16.50	6.36						75.72
25								72.99
26								70.2
27								67.9
28								69.6
29								70.3
30			43	7.55				72.8
31	16.10	6.62						64.7

Average	16.02	6.59	32	7.64	9.62	12	877	102.64
Minimum	14.9	6.35	16	7.51	9.62	12	877	64.7
Maximum	16.60	6.83	43	7.94	9.62	12	877	189.23
Count	5	5	5	5	1	1	1	31
Total								3,181.88
95 Percentile								
Exceedences	0	0	0	0	0	0	0	0

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

	Landfill leachate - grab		Landfill leachate-24 hr composite					
September 2021	Temperature (degrees C)	Dissolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m^3/d)
1								64.43
2								62.69
3								59.38
4								60.24
5								61.45
6			32	7.95		9	1,303	59.29
7								59.33
8	15.30	6.80						59.40
9								56.82
10								54.08
11								56.71
12								53.99
13			32	7.55	11.9			51.72
14	14.00	6.60						54.23
15								51.84
16								51.69
17								49.33
18								51.11
19								47.36
20			32	7.57				49.19
21	15.00	6.83						46.65
22								49.1
23								51.6
24								51.4
25								51.6
26								51.2
27			38	7.41				53.8
28	13.2	6.9						51.2
29								48.62
30								50.95

Average	14.38	6.78	34	7.62	11.9	9	1,303	54.01
Minimum	13.2	6.60	32	7.41	11.9	9	1,303	46.65
Maximum	15.30	6.9	38	7.95	11.9	9	1,303	64.43
Count	4	4	4	4	1	1	1	30
Total								1,620.40
95 Percentile								
Exceedences	0	0	0	0	0	0	0	0

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

	Landfill leachate - grab		Landfill leachate-24 hr composite					
October 2021	Temperature (degrees C)	Dissolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m^3/d)
1								48.64
2								53.72
3								54.09
4								53.75
5			31	7.57	12.4	8	1,553	52.33
6	13.30	6.67						52.95
7								51.46
8								51.59
9								51.40
10								51.53
11			36	7.6				49.12
12	17.20	6.62						51.89
13								49.36
14								49.31
15								51.52
16								63.90
17								64.37
18			69	7.56				62.72
19	14.10	7.16						60.18
20								60.27
21								69.02
22								95.50
23								86.24
24								77.42
25			29	7.61				79.68
26	12.20	7.79						327.90
27								409.88
28								306.55
29								273.8
30								291.32
31								299.02
Average	14.20	7.06	41	7.59	12.4	8	1,553	109.69
Minimum	12.20	6.62	29	7.56	12.4	8	1,553	48.64
Maximum	17.20	7.79	69	7.61	12.4	8	1,553	409.88
Count	4	4	4	4	1	1	1	31
Total								3,400.43
95 Percentile								
Exceedences	0	0	0	0	0	0	0	0

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

November 2021	Landfill leachate - grab		Landfill leachate-24 hr composite					
	Temperature (degrees C)	Dissolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m^3/d)
1			16	7.25	6.26	6	759	283.94
2	12.3	8.39						277.60
3								265.89
4								262.37
5								259.67
6								261.39
7								263.98
8			151	7.44				429.83
9	11.50	8.56						506.92
10								284.36
11								267.96
12								365.63
13								411.72
14								438.51
15			21	7.50				564.98
16	12.70	8.73						529.28
17								511.29
18								673.21
19								690.37
20								675.48
21								675.79
22			27	7.43				708.63
23	10.60	9.02						687.26
24								627.71
25								606.42
26								651.86
27								655.71
28								650.81
29			22	7.55				631.72
30	8.70	9.02						625.64
Average	11.16	8.74	47	7.43	6.26	6	759	491.53
Minimum	8.70	8.39	16	7.25	6.26	6	759	259.67
Maximum	12.70	9.02	151	7.55	6.26	6	759	708.63
Count	5	5	5	5	1	1	1	30
Total								14,745.93
95 Percentile								
Exceedences	0	0	0	0	0	0	0	0

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

December 2021	Landfill leachate - grab		Landfill leachate-24 hr composite					
	Temperature (degrees C)	Dissolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m^3/d)
1								610.14
2								680.23
3								701.03
4								692.83
5								681.08
6			95	7.41	29.0	5	614	1,282.73
7	6.00	10.47						1,161.98
8								1,013.90
9								966.95
10								950.33
11								1,065.52
12								1,046.53
13			20	7.33				1,002.58
14	8.2	10.15						955.80
15								948.43
16								811.89
17								887.14
18								874.39
19								843.46
20			19	7.54				832.14
21	8.30	10.55						820.30
22								794.32
23								777.25
24								766.76
25								755.35
26								726.12
27			20	7.71				725.08
28								498.38
29	7.60	10.36						698.26
30								690.23
31								683.65

Average	7.53	10.38	39	7.50	29.0	5	614	836.93
Minimum	6.00	10.15	19	7.33	29.0	5	614	498.38
Maximum	8.30	10.55	95	7.71	29.0	5	614	1,282.73
Count	4	4	4	4	1	1	1	31
Total								25,944.78
95 Percentile Exceedences	0	0	0	0	0	0	0	0

Brockville WPCC Leachate Pumping Station 2021 Analytical Results

	Landfill leachate - grab		Landfill leachate-24 hr composite					
Totals	Temperature (degrees C)	Dissolved Oxygen (mg/L)	Total suspended solids (mg/L)	pH ( )	Iron (total) (mg/L)	BOD (mg/L)	Total dissolved solids (mg/L)	Daily flow (m^3/d)
Average	11.15	8.22	29	7.51	12.82	7.25	920	547.45
Minimum	4.7	5.87	10	7.25	4.76	3	614	46.65
Maximum	17.40	10.55	151	7.95	29.0	12	1,553	2,160.64
Count	52	52	52	52	12	12	12	365
Total								199,819.76
95 Percentile								
Exceedences	0	0	0	0	0	0	0	0

** indicates Geometric Mean*
*** indicates Intraday Average*

APPENDIX 13
Monitoring Checklist

Appendix D-Monitoring and Screening Checklist
General Information and Instructions

General Information: The checklist is to be completed, and submitted with the Monitoring Report.
Instructions: A complete checklist consists of:
(a) a completed and signed checklist, including any additional pages of information which can be attached as needed to provide further details where indicated.
(b) completed contact information for the Competent Environmental Practitioner (CEP)
(c) self-declaration that CEP(s) meet(s) the qualifications as set out below and in Section 1.2 of the Technical Guidance Document.

Definition of Groundwater CEP:
For groundwater, the CEP must have expertise in hydrogeology and meet one of the following:
(a) the person holds a licence, limited licence or temporary licence under the *Professional Engineers Act*; or
(b) the person holds a certificate of registration under the *Professional Geoscientists Act, 2000* and is a practicing member, temporary, member or limited member of the Association of Professional Geoscientists of Ontario. O. Reg. 66/08, s. 2..
Definition of Surface water CEP:
A CEP for surface water assessments is a scientist, professional engineer or professional geoscientist as described in (a) and (b) above with demonstrated experience and post-secondary education, either a diploma or degree, in hydrology, aquatic ecology, limnology, aquatic biology, physical geography with specialization in surface water, and/or water resource management.

The type of scientific work that a CEP performs must be consistent with that person's education and experience. If an individual has appropriate training and credentials in both groundwater and surface water and is responsible for both areas of expertise, the CEP may then complete and validate both sections of the checklist.

Monitoring Report and Site Information	
Waste Disposal Site (WDS) Name	City of Brockville Landfill Site
Location (e.g. street address, lot, concession)	Part of Lot 17, Concession 2
GPS Location (taken within the property boundary at front gate/ front entry)	443030 m E, 4938060 m N, 18 T
Municipality	City of Brockville
Client and/or Site Owner	City of Brockville
Monitoring Period (Year)	2021
This Monitoring Report is being submitted under the following:	
Environmental Compliance Approval (ECA) Number (formerly "Certificate of Approval" (C of A)) :	A440101
Director's Order No.:	Not applicable
Provincial Officer's Order No.:	Not applicable

Other:	Not applicable		
Report Submission Frequency	(•) **Annual** ( ) **Other**		
The site is: **(Operation Status)**	( ) **Open** ( ) **Inactive** (•) **Closed**		
Is there an active waste transfer station at the site?	( ) **Yes** (•) **No**		
Does this WDS have a Closure Plan?	( ) **Not yet submitted** ( ) **Submitted and under review** (•) **Submitted and approved**		
Total Approved Capacity	Not applicable - closed site	*Units*	
Maximum Approved Fill Rate		*Units*	
Total Waste Received within Monitoring Period (Year)		*Units*	
Total Waste Received within Monitoring Period (Year) *Describe the methodology used to determine this quantity*	Not applicable - closed site		
Estimated Remaining Capacity		*Units*	
Estimated Remaining Capacity *Describe the methodology used to determine this quantity*	Not applicable - closed site		
Estimated Remaining Capacity *Date Last Determined*	Not applicable - closed site		
Non-Hazardous Approved Waste Types	☐ Domestic ☐ Industrial, Commercial & Institutional (IC&I) ☐ Source Separated Organics (Green Bin) ☐ Tires	☐ Contaminated Soil ☐ Wood Waste ☐ Blue Box Material ☐ Processed Organics ☐ Leaf and Yard Waste	☐ Food Processing/Preparation Operations Waste ☐ Hauled Sewage Other:
Subject Waste Approved Waste Classes: Hazardous & Liquid Industrial *(separate waste classes by comma)*			

Year Site Opened *(enter the Calendar Year only)*	1964	**Current ECA Issue Date**	Dec. 6, 1994 amended Sep. 14, 2018
Is your Site required to submit Financial Assurance?		○ **Yes** ◉ **No**	
Describe how your WDS is designed.		○ Natural Attenuation only ○ Fully engineered Facility ◉ Partially engineered Facility	
Does your Site have an approved Contaminant Attenuation Zone?		◉ **Yes** ○ **No**	
If closed, specify ECA, control or authorizing document closure date:		31-Dec-2000	
Has the nature of the operations at the site changed during this monitoring period?		○ **Yes** ◉ **No**	
If yes, provide details:			

Have any measurements been taken since the last reporting period that indicate landfill gas volumes have exceeded the MOE limits for subsurface or adjacent buildings? (i.e. exceeded the LEL for methane)	○ Yes ◉ No

Groundwater WDS Verification:

Based on all available information about the site and site knowledge, it is my opinion that:

Sampling and Monitoring Program Status:

1) The monitoring program continues to effectively characterize site conditions and any groundwater discharges from the site. All monitoring wells are confirmed to be in good condition and are secure:	◉ **Yes** ○ **No**	
2) All groundwater, leachate and landfill gas sampling and monitoring for the monitoring period being reported on was successfully completed as required by ECA or other relevant authorizing/ control document(s):	**( ) Yes** **(X) No** ○ **Not Applicable**	If no, list exceptions below or attach information.

Groundwater Sampling Location	Description/Explanation for change (change in name or location, additions, deletions)	Date
93-4D	**Damaged**	**June, 2021** **November, 2021**
B-2, B-3, 94-1	**Not located**	**June, 2021** **November, 2021**

3) a) Some or all groundwater, leachate and landfill gas sampling and monitoring requirements have been established or defined outside of a ministry ECA, authorizing, or control document, *or Ministry concurrence.*	**(x) Yes** **( ) No** **( ) Not Applicable**	
b) If yes, the sampling and monitoring identified under 3(a) for the monitoring period being reported on was successfully completed in accordance with established protocols, frequencies, locations, and parameters developed as per the Technical Guidance Document:	**(x)Yes** **( ) No** **( ) Not Applicable**	If no, list exceptions below or attach additional information.

Groundwater Sampling Location	**Description/Explanation for change (change in name or location, additions, deletions)**	**Date**
91-3D, 98-2D Leachate	**MECP recommneded PFAS and 1,4-dioxane analysis**	**June, 2021**

4) All field work for groundwater investigations was done in accordance with Standard Operating Procedures (SOP) as established/outlined per the Technical Guidance Document (including internal/external QA/QC requirements) (Note: A SOP can be from a published source, developed internally by the site owner's consultant, or adopted by the consultant from another organization):	○ **Yes** ◉ **No**	Jp2g Consultants Inc. standard practices were followed as described in the report.
Sampling and Monitoring Program Results/WDS Conditions and Assessment:		
5) The site has an adequate buffer, Contaminant Attenuation Zone (CAZ) and/ or contingency plan in place. Design and operational measures, including the size and configuration of any CAZ, are adequate to prevent potential human health impacts and impairment of the environment.	◉ **Yes** ○ **No**	
6) The site meets compliance and assessment criteria.	◉ **Yes** ○ **No**	
7) The site continues to perform as anticipated. There have been no unusual trends/ changes in measured leachate and groundwater levels or concentrations.	◉ **Yes** ○ **No**	

1) Is one or more of the following risk reduction practices in place at the site: *(a)* There is minimal reliance on natural attenuation of leachate due to the presence of an effective waste liner and active leachate collection/ treatment; or *(b)* There is a predictive monitoring program in-place (modeled indicator concentrations projected over time for key locations); or *(c)* The site meets the following two conditions (typically achieved after 15 years or longer of site operation): *i.* The site has developed stable leachate mound(s) and stable leachate plume geometry/ concentrations; and *ii.* Seasonal and annual water levels and water quality fluctuations are well understood.	◉ Yes ○ No	Note which practice(s):	☐ (a) ☐ (b) ☒ (c)
9) Have trigger values for contingency plans or site remedial actions been exceeded (where they exist):	○ Yes ◉ No ○ Not Applicable	If yes, list value(s) that are/have been exceeded and follow-up action taken:	

Groundwater CEP Declaration:

I am a licensed professional Engineer or a registered professional geoscientist in Ontario with expertise in hydrogeology, as defined in Appendix D under Instructions. Where additional expertise was needed to evaluate the site monitoring data, I have relied on individuals who I believe to be experts in the relevant discipline, who have co-signed the compliance monitoring report or monitoring program status report, and who have provided evidence to me of their credentials.

I have examined the applicable Environmental Compliance Approval and any other environmental authorizing or control documents that apply to the site. I have read and followed, *as deemed appropriate for this site in my professional judgement,* the Monitoring and Reporting for Waste Disposal Sites Groundwater and Surface Water Technical Guidance Document (MOE, 2010, or as amended), and associated monitoring and sampling guidance documents, as amended from time to time. I have reviewed all of the data collected for the above-referenced site for the monitoring period(s) identified in this checklist. Except as otherwise agreed with the ministry for certain parameters, all of the analytical work has been undertaken by a laboratory which is accredited for the parameters analysed to *ISO/IEC 17025-2005 (E)- General requirements for the competence of testing and calibration laboratories*, or as amended from time to time by the ministry.

If any exceptions or potential concerns have been noted in the questions in the checklist attached to this declaration, it is my opinion that these exceptions and concerns are minor in nature and will be rectified for the next monitoring/reporting period. Where this is not the case, the circumstances concerning the exception or potential concern and my client's proposed action have been documented in writing to the Ministry of the Environment District Manager in a letter from me dated:

Select Date

Recommendations:

Based on my technical review of the monitoring results for the waste disposal site:

( ) **No changes to the monitoring program are recommended:** (x) **The following change(s) to the monitoring program is/are recommended:**	
(•) **No Changes to site design and operation are recommended** ( ) **The following change(s) to the site design and operation is/are recommended:**	
Name:	Andrew Buzza, P.Geo
Seal:	

Signature:		**Date:**	31 May 2021
CEP Contact Information:	Andrew Buzza, P.Geo Note: Report signed and stamped.		
Company:	p2g Consultants nc.		
Address:	1150 Morrison Dri e Suite 10 Ottawa, ON K2H S9		
Telephone No.:	613- 2 -7 00	Fax No. :	613- 2 -2600
E-mail Address:	andrewb@ p2g.com		
Co-signers for additional expertise provided:			
Signature:		**Date:**	Select Date
Signature:		**Date:**	Select Date

Surface Water WDS Verification:

Provide the name of surface water body/bodies potentially receiving the WDS effluent and the approximate distance to the waterbody (including the nearest surface water body/bodies to the site):	
Name (s)	Grant's Creek flows through the eastern portion of the site and through the contaminant attenuation zone lands

Distance(s)	Adjacent (within 25 m) to the eastern corner of the closed disposal area.

Based on all available information and site knowledge, it is my opinion that:

Sampling and Monitoring Program Status:

1) **The current surface water monitoring program continues to effectively characterize the surface water conditions, and includes data that relates upstream/background and downstream receiving water conditions:**	◉ **Yes** ○ **No**	
2) **All surface water sampling for the monitoring period being reported was successfully completed in accordance with the ECA or relevant authorizing/control document(s) (if applicable):**	◉ **Yes** ○ **No** ○ **Not applicable**	If no, specify below or provide details in an attachment.

Surface Water Sampling Location	Description/Explanation for change (change in name or location, additions, deletions)	Date

3) a) **Some or all surface water sampling and monitoring program requirements for the monitoring period have been established outside of a ministry ECA or authorizing/control document**, *or Ministry concurrence.*	○ **Yes** ◉ **No** ○ **Not Applicable**	
b) **If yes, all surface water sampling and monitoring identified under 3 (a) was successfully completed in accordance with the established program from the site, including sampling protocols, frequencies, locations and parameters) as developed per the Technical Guidance Document:**	○ **Yes** ○ **No** ◉ **Not Applicable**	If no, specify below or provide details in an attachment.

Surface Water Sampling Location	Description/Explanation for change (change in name or location, additions, deletions)	Date

4) All field work for surface water investigations was done in accordance with SOP, including internal/external QA/QC requirements, as established/outlined as per the Technical Guidance Document, MOE 2010, or as amended. (Note: A SOP can be from a published source, developed internally by the site owner's consultant, or adopted by the consultant from another organization):	○ Yes ◉ No	Jp2g Consultants Inc. standard practices were followed as described in the report.

Sampling and Monitoring Program Results/WDS Conditions and Assessment:

5) The receiving water body meets surface water-related compliance criteria and assessment criteria: i.e., there are no exceedances of criteria, based on MOE legislation, regulations, Water Management Policies, Guidelines and Provincial Water Quality Objectives and other assessment criteria (e.g., CWQGs, APVs), as noted in Table A or Table B in the Technical Guidance Document (Section 4.6):	○ Yes ◉ No

If no, list parameters that exceed criteria outlined above and the amount/percentage of the exceedance as per the table on the following page or provide details in an attachment:

Parameter	Compliance or Assessment Criteria or Background	Amount by which Compliance or Assessment Criteria or Background Exceeded
e. . i e	e i it ro nd	e o e
isso ed o en		sprin
ron	/	tot iro hi her in sprin tot iron hi her in sprin nd in
ot phosphor s		
heno s		hi her in sprin
6) In my opinion, any exceedances listed in Question 5 are the result of non-WDS related influences (such as background, road salting, sampling site conditions)?	(●) **Yes** ( ) **No**	r e ter is interpreted to e i p ted inor ni s ro the it o ro i e nd i ite t so possi the r er nd i the s r p rd nd ro nd onditions r e ter it so th o r ed e en e is i e e ted ro d s tin ti ities nd the o o rse. **presented in this report.**

7) All monitoring program surface water parameter concentrations fall within a stable or decreasing trend. The site is not characterized by historical ranges of concentrations above assessment and compliance criteria.	(•) **Yes** ( ) **No**	Water uality at surface water monitoring locations at the site is generally consistent over time.
8) For the monitoring program parameters, does the water quality in the groundwater zones adjacent to surface water receivers exceed assessment or compliance criteria (e.g. , PWQOs, CWQGs, or toxicity values for aquatic biota (APVs)):	es (•) No ot nown ( ) ot Applicable	1-3S and 1-5S are located ad acent to rant s Creek within the boundary of the contaminant attenuation one lands There were no PW exceedances at these monitors in 2021.
9) Have trigger values for contingency plans or site remedial actions been exceeded (where they exist):	(•) **Yes** ( ) **No** ( ) **Not Applicable**	As of 2017, the trigger concentration for dissolved iron is 0.35 mg/L and for total iron is 1.0 mg/L. The trigger concentrations for iron and dissolved iron were exceeded in the sample from SW-5 in June 2020. A confirmatory sample was collected two weeks later, and the dissolved iron concentration in that sample remained above the trigger level. In response to the trigger exceedance, the City of Brockville completed monitoring program consisting of monthly sampling for six months (August 2020 to January 2021, weather permitting) at SW-5 for analysis of iron and dissolved iron, to be completed at the same time as the City's leachate sampling activities. The MECP approved this monitoring program, and the findings are reported.

Surface Water CEP Declaration:

I, the undersigned hereby declare that I am a Competent Environmental Practitioner as defined in Appendix D under Instructions, holding the necessary level of experience and education to design surface water monitoring and sampling programs, conduct appropriate surface water investigations and interpret the related data as it pertains to the site for this monitoring period.

I have examined the applicable Environmental Compliance Approval and any other environmental authorizing or control documents that apply to the site. I have read and followed, *as deemed appropriate for this site in my professional judgement,* the Monitoring and Reporting for Waste Disposal Sites Groundwater and Surface Water Technical Guidance Document (MOE, 2010, or as amended), and associated monitoring and sampling guidance documents, as amended from time to time. I have reviewed all of the data collected for the above-referenced site for the monitoring period(s) identified in this checklist. Except as otherwise agreed with the ministry for certain parameters, all of the analytical work has been undertaken by a laboratory which is accredited for the parameters analysed to *ISO/IEC 17025-2005 (E)- General requirements for the competence of testing and calibration laboratories*, or as amended from time to time by the ministry.

If any exceptions or potential concerns have been noted in the questions in the checklist attached to this declaration, it is my opinion that these exceptions and concerns are minor in nature or will be rectified for future monitoring events. Where this is not the case, the circumstances concerning the exception or potential concern and my client's proposed action have been documented in writing to the Ministry of the Environment District Manager in a letter from me dated:

Select Date

Recommendations:

Based on my technical review of the monitoring results for the waste disposal site:

◉ **No Changes to the monitoring program are recommended** ○ **The following change(s) to the monitoring program is/are recommended:**	
◉ **No changes to the site design and operation are recommended** ○ **The following change(s) to the site design and operation is/ are recommended:**	

CEP Signature	
Relevant Discipline	Ed cation with 30 **y**ears experience
Date:	
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