

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

Isiah Leggett County Executive Lisa Feldt Director

December 9, 2015

Mrs. Martha Hynson, Chief Landfill Operations Maryland Department of the Environment 1800 Washington Boulevard Baltimore, Maryland 21230

Dear Mrs. Hynson:

Please find enclosed the results of the latest water quality monitoring performed at the Gude Landfill for the Fall 2015. This report has been developed based on the approved Groundwater and Surface Water Monitoring Plan (G&SWM) to monitor the water quality in and around the Gude Landfill in Montgomery County. This report is submitted in fulfillment of the G&SWM requirements approved on May 11, 2009, by Maryland Department of the Environment (MDE).

This report provides a summary of the results for water quality monitoring performed for the semiannual period from March 2015 to September 2015. In addition to sampling results and analysis for the 20 observation wells and 5 stream locations specified in the approved G&SWM, this report also includes the monitoring results for an additional 16 monitoring wells constructed in 2010 at the site as part of an ongoing Nature and Extent Study being conducted by the County's Department of Environmental Protection - Division of Solid Waste Management in coordination with your Office. To differentiate between the two sets of observation wells; the observation wells installed in 2010 have been designated by the prefix "MW", while the pre-existing (prior to 2010) wells are designated by an "OB".

For this reporting period revisions and updates have been implemented with respect to sample collection, laboratory analysis, and data interpretations. These revisions and updates are based on directives and recommendations made by MDE through recent communications and a meeting that was held in March, 2015. These revisions and updates include:

- Change in sample collection methodology from "Three Well Volume" to "Low Flow".
- Conducting laboratory analysis for metals under a lower Practical Quantitation Limit (PQL) for added precision.
- Update and expansion of the statistical analysis to include additional data interpretations.

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Revisions in sampling methodology and laboratory analysis primarily relate to the metal concentrations in samples collected from Landfill's groundwater monitoring wells. Changing the sampling methodology was based on MDE's preferred sampling methodology as recommended during a coordination meeting held in March, 2015, and the purpose of conducting the laboratory analysis for metals under the lower PQL was for added precision of the analytical results reported by the laboratory. The lower PQL was obtained by utilizing a certified laboratory subcontracted to the WSSC laboratory. Also, the statistical analysis have been updated and expanded to include additional data interpretations as requested by MDE. The expanded statistical analysis was performed by the County's Consultant (EA Engineering) and the results are included in Appendix F of this report.

The results obtained from the laboratory sample analyses for this reporting period are similar and comparable to the prior monitoring results with respect to the types and concentrations of pollutants. Conclusions derived from the statistical analyses (Appendix F) developed for this reporting period also correlate and are consistent with graphical representation of the historical laboratory results shown in "Appendix C" of this report. Results represent typical fluctuations in terms of pollutant concentration trends in water quality that have been observed previously during the past several years' reports. The following sections provide a brief overview of the results obtained from the laboratory and statistical analyses for all the monitoring sites. Please refer to the attached tables, diagrams, and the enclosed CD for additional information.

#### VOLATILE ORGANIC COMPOUNDS:

The highlights of the results for this reporting period are listed below. Please note that MCL (Maximum Contaminant Level) is a drinking water standard adopted by the U.S. EPA, its use in this report is as a reference only since this groundwater is not a source of drinking water. Please refer to Table 1 of the report for all the VOC results.

- No VOCs were detected above recommended Maximum Contaminant Level (MCL) in the following monitoring wells and stream locations:
  - **Pre-existing monitoring wells:** OB01, OB02, OB02A, OB04, OB06, OB07, OB07A, OB08, OB102, OB105, and OB15.
  - Monitoring wells installed in 2010: MW1B, MW2A, MW2B, MW3A, MW3B, MW04, MW06, MW07, MW08, MW10, MW11A, MW11B, and MW12.
  - **Stream Locations:** No VOCs were detected above the recommended MCL in any of the monitored stream locations.
- Ten (10) VOCs were identified as having increasing statistical trends, and sixteen (16) of the monitoring wells had one (1) or more VOCs with increasing statistical trends.
- Twelve (12) VOCs were identified as having decreasing trends, and thirteen (13) of the monitoring wells had one (1) or more VOCs with decreasing statistical trends.

- Seven (7) VOCs (benzene; chlorobenzene; 1,1-dichloroethane; cis-1,2dichloroethene; 1,2-dichloropropane; tetrachloroethene; vinyl chloride) had both decreasing and increasing trends.
- Three (3) VOCs had only increasing trends: 1,2-dichlorobenzene (OB03, OB11); 1,4-dichlorobenzene (OB03, OB03A, OB04, OB04A, OB08, OB08A, OB10, OB11, OB11A, OB12, OB105); and trans-1,2-dichloroethene (OB12).
- Five (5) VOCs had only decreasing trends: chloroethane (OB03, OB03A, OB12), dichlorodifluoromethane (MW-13A, MW-13B, OB03, OB03A, OB10, OB11A), methylene chloride (MW-13A, OB11A), trichloroethene (OB01, OB02A, OB08A, OB11A), and trichlorofluoromethane (OB11A).
- A total of 36 VOCs exceeded the recommended MCL in the following monitoring wells:
  - **Pre-existing monitoring wells:** OB03 (4 exceedances), OB03A (3 exceedances), OB08A (1 exceedance), OB10 (2 exceedances), OB11 (6 exceedances), OB12A (4 exceedances), OB12 (4 exceedances), and OB125 (1 exceedance).
  - Monitoring wells installed in 2010: MW09 (1 exceedance), MW13A (5 exceedances), and MW13B (5 exceedances).

The following include a summary of these 36 VOC concentrations exceeding the recommended MCLs:

• 1,2-Dichloropropane concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB03A, OB11, OB12, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 5.41 ug/l in MW13A to 11.6 ug/l in OB12.

 cis-1-2-Dichloroethene concentration exceeded the MCL of 70 ug/l in observation wells OB03, OB11, OB11A, MW13A, and MW13B.
 Concentrations exceeding the MCL for this compound ranged from 73.5 ug/l in MW13B to 88.5 ug/l in OB03.

• Dichloromethane concentration exceeded the MCL of 5 ug/l in observation well OB11 at 8.71 ug/l.

• Tetrachloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB11, OB11A, OB12, MW09, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 6.78 ug/l in OB11A to 26.2 ug/l in OB12.

• Trichloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB03A, OB10, OB11, OB11A, OB12, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 15.6 ug/l in OB10 to 35.2 ug/l at OB03.

• Vinyl Chloride concentration exceeded the MCL of 2 ug/l in observation wells OB03, OB03A, OB08A, OB10, OB11, OB11A, OB12, OB25, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 2.6 ug/l in OB08A to 23.5 ug/l in OB10.

#### METALS AND OTHER PARAMETERS:

Starting with the Spring 2015 sampling event, revisions were made in sampling methodology and samples laboratory analyses for metals. These revisions were recommended By MDE and included changes in collecting samples from "Three Well Volumes" to "Low Flow". The main reason for this change was to minimize and reduce the samples turbidity level associated with the "Three Well Volumes" method which could potentially contribute to higher levels of turbidity and consequently interfering with the accuracy of metal analyses.

A summary of the metals and other parameters (non-organic contaminants) laboratory results and statistical analysis for this reporting period are included below. Please refer to attached tables in "Appendix D" and statistical analysis in "Appendix F" of this report for additional information on metals and other water quality parameter results.

- Twenty-four (24) metals (total and dissolved) were identified as having increasing statistical trends and nineteen (19) of the monitoring wells had one (1) or more metals with increasing statistical trends.
- Twenty-seven (27) metals (total and dissolved) were identified as having decreasing statistical trends, and twenty-eight (28) of the monitoring wells had one (1) or more metals with decreasing statistical trends.
- A total of 5 metals and other non-organic contaminants exceeded the recommended MCL in the following monitoring locations:
  - **Pre-existing monitoring wells:** OB11 (1 exceedance) and OB102 (1 exceedance).
  - **Monitoring wells installed in 2010**: MW2A (1 exceedance), MW06 (1 exceedance), and MW13A (1 exceedance).
  - **Stream Locations**: No exceedances.

The following include a summary of these 5 metals and non-organic contaminants exceeding the recommended MCLs:

 $\circ$  Arsenic with a recommended MCL of 0.01 mg/l was exceeded in samples collected from OB102 at 0.012 mg/l concentration.

• Cadmium with a recommended MCL of 0.005 mg/l was exceeded in sample collected from OB11 at 0.011 mg/l concentration.

• Chromium with a recommended MCL of 0.1 mg/l was exceeded in samples collected from OB02A at 0.27 mg/l and MW06 at 0.53 mg/l concentrations.

• Mercury with a recommended MCL of 0.002 mg/l was exceeded in a sample collected from OB13A with 0.0031 mg/l concentration.

As part of a recent study (Nature and Extend Study) under the guidance of MDE, the County also collected filtered samples to evaluate turbidity and its potential interferences to metals analysis. For this sampling event, only two samples exceeded the MCL concentrations in filtered samples. Cadmium with a recommended MCL of 0.005 mg/l was exceeded in filtered sample collected from OB11 at 0.011 mg/l concentration. As indicated above, the Cadmium concentrations exceeding the recommended MCL are identical for both filtered and unfiltered samples collected from the same monitoring location (OB11). Also, Chromium concentrations in both filter and unfiltered samples collected from the same monitoring location (WW06 exceeded the

recommended MCL of 0.1 mg/l even though the Chromium concentration exceeding the MCL was reduced from 0.53 mg/l in unfiltered sample to 0.21 mg/l in filtered sample. Mercury and Arsenic concentrations were not detectable in filtered samples collected from the same monitoring locations where MCL exceedances were recorded for unfiltered samples. These include unfiltered samples collected from OB102 for Arsenic and OB13A for Mercury.

In comparing the sample turbidity measurements obtained for this reporting period through "Low Flow" to the previous sample turbidity levels obtained through the "Three Well Volumes", the effectiveness of the "Low Flow" technique in reducing the samples turbidity level seem to be more noticeable in samples collected from monitoring wells with historically higher turbidities. However, in comparing the obtained metal results using the "Low Flow" sampling method to prior results which were obtained through the "Three Well Volume" sampling, it appears that the Low Flow methodology has an overall effectiveness in reducing the samples turbidity level as indicated in Table-B, Appendix-D of this report. Please refer to Appendix D (Tables of Metals) for additional information on both the most recent and historical sampling results for metals. The County intends to continue to conduct the sampling through "Low Flow" methodology to collect additional data for further evaluation.

Overall, data collected during this reporting period represent typical seasonal fluctuations in water quality with respect to monitored parameters for this landfill. Based on the latest monitoring and sample analysis obtained during this reporting period, there are no indications of any unexpected or unusual results that would require special attention and therefore no further actions are recommended at this time. The County continues to closely monitor the presence of VOCs and other contaminants and will notify MDE prior to the next report in the event that any detection is found to be significantly different from previous levels.

Please contact Nasser Kamazani at (240) 777-7717 with any questions about this report.

Sincerely, Man Laker

David Lake, Manager Water and Wastewater Policy Group

cc: Lisa Feldt, Director, Department of Environmental Protection

> Dan Locke, Chief, Division of Solid Waste Services, Department of Environmental Protection

# WATER QUALITY MONITORING REPORT

for

# **GUDE LANDFILL**

# Montgomery County, Maryland

## **FALL 2015**

Prepared by Montgomery County Department of Environmental Protection

Prepared for Maryland Department of Environment, Solid Waste Program

December 9, 2015

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## **Introduction:**

The Gude Landfill is located on the north side of Gude Drive near Southlawn Lane, northeast of the City of Rockville in Montgomery County. The site encompasses approximately 160 acres, of which approximately 100 acres have been used for the disposal of municipal waste and incinerator residues. It operated from the early 1960s until June 1, 1982. The Gude Landfill was constructed prior to the promulgation of regulations for landfill lining and leachate collection systems.

Since 1984, to monitor the quality of ground and surface water, the Montgomery County Department of Environmental Protection (DEP) has been collecting samples at a total of 25 monitoring sites, which include 20 observation wells and 5 stream locations. Beginning in fall 2010, as part of a Nature and Extent Study, sixteen (16) additional monitoring wells have been installed at the site. The purpose of the Nature and Extent Study, directed by MDE and managed by Montgomery County, is to assess and investigate the nature and extent of environmental impacts in the vicinity of and potentially resulting from the Gude Landfill. Locations of these monitoring sites can be found on the attached aerial photo titled Groundwater and Surface Water Monitoring Locations in Appendix A. Sampling and analysis are conducted semi-annually and include laboratory analysis for Volatile Organic Compounds (VOCs), Heavy Metals, field parameters (temperature, pH, conductivity) and other water quality parameters and indicators.

This report is organized into four sections, which discuss the results and observations based on the landfill water quality monitoring program. The four sections include a discussion of:

- VOC sampling results;
- Metals sampling results;
- Groundwater elevation and flow;
- Trends Analysis/Conclusions

The appendices provide data tables for reference, as well as aerial photos and maps.

#### 1. Volatile Organic Chemical Sampling Results:

The results obtained from both laboratory and statistical analyses for this reporting period are similar and comparable with the prior monitoring results with respect to the types and concentrations of pollutants. The highlights of the results for this reporting period are listed below. Please note that MCL (Maximum Contaminant Level) is a drinking water standard adopted by the U.S. EPA, its use in this report is as a reference only since this groundwater is not a source of drinking water. Please refer to Table 1 of the report for all the VOC results.

- No VOCs were detected above recommended Maximum Contaminant Level (MCL) in the following monitoring wells and stream locations:
  - **Pre-existing monitoring wells:** OB01, OB02, OB02A, OB04, OB06, OB07, OB07A, OB08, OB102, OB105, and OB15.
  - **Monitoring wells installed in 2010:** MW1B, MW2A, MW2B, MW3A, MW3B, MW04, MW06, MW07, MW08, MW10, MW11A, MW11B, and MW12.

- **Stream Locations:** No VOCs were detected above the recommended MCL in any of the monitored stream locations.
- Ten (10) VOCs were identified as having increasing statistical trends, and sixteen (16) of the monitoring wells had one (1) or more VOCs with increasing statistical trends.
- Twelve (12) VOCs were identified as having decreasing trends, and thirteen (13) of the monitoring wells had one (1) or more VOCs with decreasing statistical trends.
- Seven (7) VOCs (benzene; chlorobenzene; 1,1-dichloroethane; cis-1,2dichloroethene; 1,2-dichloropropane; tetrachloroethene; vinyl chloride) had both decreasing and increasing trends.
- Three (3) VOCs had only increasing trends: 1,2-dichlorobenzene (OB03, OB11); 1,4-dichlorobenzene (OB03, OB03A, OB04, OB04A, OB08, OB08A, OB10, OB11, OB11A, OB12, OB105); and trans-1,2-dichloroethene (OB12).
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- A total of 36 VOCs exceeded the recommended MCL in the following monitoring wells:
  - **Pre-existing monitoring wells:** OB03 (4 exceedances), OB03A (3 exceedances), OB08A (1 exceedance), OB10 (2 exceedances), OB11 (6 exceedances), OB11A (4 exceedances), OB12 (4 exceedances), and OB125 (1 exceedance).
  - **Monitoring wells installed in 2010:** MW09 (1 exceedance), MW13A (5 exceedances), and MW13B (5 exceedances).

The following include a summary of these 36 VOC concentrations exceeding the recommended MCLs:

• 1,2-Dichloropropane concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB03A, OB11, OB12, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 5.41 ug/l in MW13A to 11.6 ug/l in OB12.

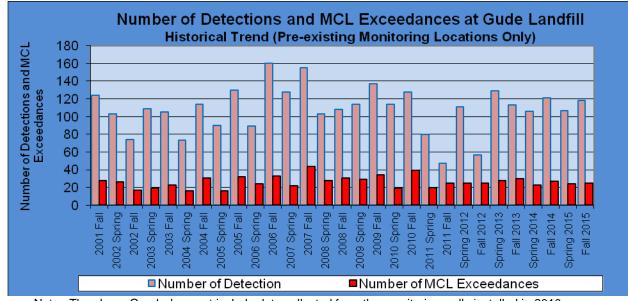
• cis-1-2-Dichloroethene concentration exceeded the MCL of 70 ug/l in observation wells OB03, OB11, OB11A, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 73.5 ug/l in MW13B to 88.5 ug/l in OB03.

• Dichloromethane concentration exceeded the MCL of 5 ug/l in observation well OB11 at 8.71 ug/l.

• Tetrachloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB11, OB11A, OB12, MW09, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 6.78 ug/l in OB11A to 26.2 ug/l in OB12.

• Trichloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB03A, OB10, OB11, OB11A, OB12, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 15.6 ug/l in OB10 to 35.2 ug/l at OB03.

• Vinyl Chloride concentration exceeded the MCL of 2 ug/l in observation wells OB03, OB03A, OB08A, OB10, OB11, OB11A, OB12, OB25, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 2.6 ug/l in OB08A to 23.5 ug/l in OB10.



#### Note: The above Graph does not include data collected from the monitoring wells installed in 2010.

#### 2. Inorganic and Metals Sampling Results:

Starting with the Spring 2015 sampling event, revisions were made in sampling methodology and samples laboratory analyses for metals. These revisions were recommended By MDE and included changes in collecting samples from "Three Well Volumes" to "Low Flow". The main reason for this change was to minimize and reduce the samples turbidity level associated with the "Three Well Volumes" method which could potentially contribute to higher levels of turbidity and consequently interfering with the accuracy of metal analyses.

A summary of the metals and other parameters (non-organic contaminants) laboratory results and statistical analysis for this reporting period are included below. Please refer to attached tables in "Appendix D" and statistical analysis in "Appendix F" of this report for additional information on metals and other water quality parameter results.

- Twenty-four (24) metals (total and dissolved) were identified as having increasing statistical trends and nineteen (19) of the monitoring wells had one (1) or more metals with increasing statistical trends.
- Twenty-seven (27) metals (total and dissolved) were identified as having decreasing statistical trends, and twenty-eight (28) of the monitoring wells had one (1) or more metals with decreasing statistical trends.

- A total of 5 metals and other non-organic contaminants exceeded the recommended MCL in the following monitoring locations:
  - **Pre-existing monitoring wells:** OB11 (1 exceedance) and OB102 (1 exceedance).
  - **Monitoring wells installed in 2010**: MW2A (1 exceedance), MW06 (1 exceedance), and MW13A (1 exceedance).
  - **Stream Locations**: No exceedances.

The following include a summary of these 5 metals and non-organic contaminants exceeding the recommended MCLs:

• Arsenic with a recommended MCL of 0.01 mg/l was exceeded in samples collected from OB102 at 0.012 mg/l concentration.

• Cadmium with a recommended MCL of 0.005 mg/l was exceeded in sample collected from OB11 at 0.011 mg/l concentration.

• Chromium with a recommended MCL of 0.1 mg/l was exceeded in samples collected from OB02A at 0.27 mg/l and MW06 at 0.53 mg/l concentrations.

• Mercury with a recommended MCL of 0.002 mg/l was exceeded in a sample collected from OB13A with 0.0031 mg/l concentration.

As part of a recent study (Nature and Extend Study) under the guidance of MDE, the County also collected filtered samples to evaluate turbidity and its potential interferences to metals analysis. For this sampling event, only two samples exceeded the MCL concentrations in filtered samples. Cadmium with a recommended MCL of 0.005 mg/l was exceeded in filtered sample collected from OB11 at 0.011 mg/l concentration. As indicated above, the Cadmium concentrations exceeding the recommended MCL are identical for both filtered and unfiltered samples collected from the same monitoring location (OB11). Also, Chromium concentrations in both filter and unfiltered samples collected from MW06 exceeded the recommended MCL of 0.1 mg/l even though the Chromium concentration exceeding the MCL was reduced from 0.53 mg/l in unfiltered sample to 0.21 mg/l in filtered sample. Mercury and Arsenic concentrations were not detectable in filtered samples collected from the same monitoring locations where MCL exceedances were recorded for unfiltered samples. These include unfiltered samples collected from OB102 for Arsenic and OB13A for Mercury.

In comparing the sample turbidity measurements obtained for this reporting period through "Low Flow" to the previous sample turbidity levels obtained through the "Three Well Volumes", the effectiveness of the "Low Flow" technique in reducing the samples turbidity level seem to be more noticeable in samples collected from monitoring wells with historically higher turbidities. However, in comparing the obtained metal results using the "Low Flow" sampling method to prior results which were obtained through the "Three Well Volume" sampling, it appears that the Low Flow methodology has an overall effectiveness in reducing the samples turbidity level as indicated in Table-B, Appendix-D of this report. Please refer to Appendix D (Tables of Metals) for additional information on both the most recent and historical sampling results for metals. The County intends to continue to conduct the sampling through "Low Flow" methodology to collect additional data for further evaluation.

#### 3. <u>Physical Water Quality Measurements:</u>

Additional physical water quality parameter measurements and analysis were conducted during the latest monitoring period and the results are included in this report. These water quality parameters are based on the monitoring requirements specified in the approved G&SWM Plan and include the followings:

Alkalinity	Ammonia
Calcium	Chloride
Nitrate	pН
Potassium	Sodium
Specific Conductance	Sulfate
Total Dissolved Solids (TDS)	Turbidity

Results for the above water quality parameters are included in Appendix D, Tables 3 and 4 of this report.

#### 4. Groundwater Elevations and Flow:

The groundwater elevation measurements of all the monitoring wells for the past monitoring events are included in Table-5 of this report. The results obtained from all the pre-existing and monitoring wells installed in 2010 indicate that the overall average groundwater elevation at Gude Landfill has decreased by 2.8 ft. from March to September 2015. Based on the groundwater elevation measurements collected from all (36) monitoring wells around the perimeter of the landfill, it appears that the groundwater flow at Gude Landfill is consistent with the topography of the Landfill itself. The groundwater appears to be flowing outward from the center toward the edges of the landfill. These outward flow directions seem to be more distinct on the southern and eastern portion of the landfill with minor flow components to the north and northeast. In general, the groundwater flow appears to basically follow the direction of surface water around the Gude Landfill.

#### 5. <u>Conclusions/Trend Analysis:</u>

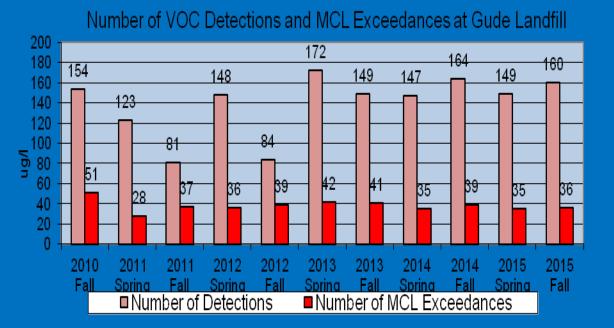
Results obtained from the latest monitoring activities (Spring 2015) are similar and comparable to those collected from prior monitoring results for the past several years. Major findings indicate that:

- I. There are indications of some low level groundwater and surface water contamination in the vicinity of Gude Landfill including multiple MCL exceedances.
- II. Detected contaminants at Gude Landfill mainly involve chlorinated solvent degradation products including 1,1-Dichloroethane, 1,2-Dichloropropane, cis-1,2-Dichloroethene, Tetrachloroethene, Trichloroethene, and Vinyl Chloride.
- III. Historically most of the contaminants and MCL exceedances have been detected at OB11/OB11A located on the south side (front side) of the landfill and observation wells OB03/OB03A and MW13A/MW13B on the north side (back side) of the landfill.

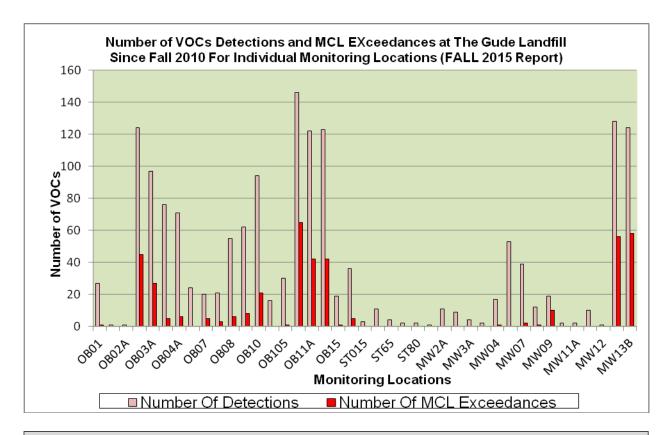
To provide an overall perspective on the quality of groundwater and surface water around the Gude Landfill, a summary of statistical trend analyses and observations are provided below and are included in Appendix C of this report. Please refer to the attached tables and diagrams for

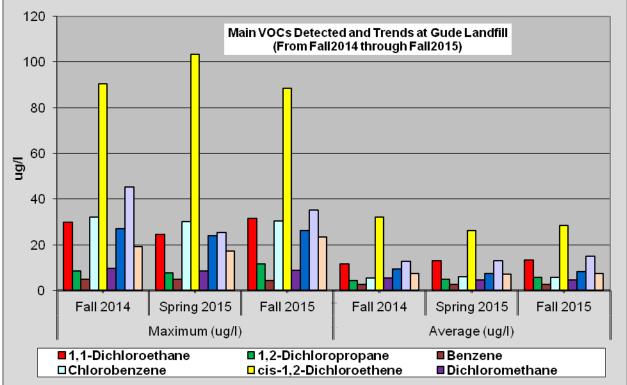
additional information.

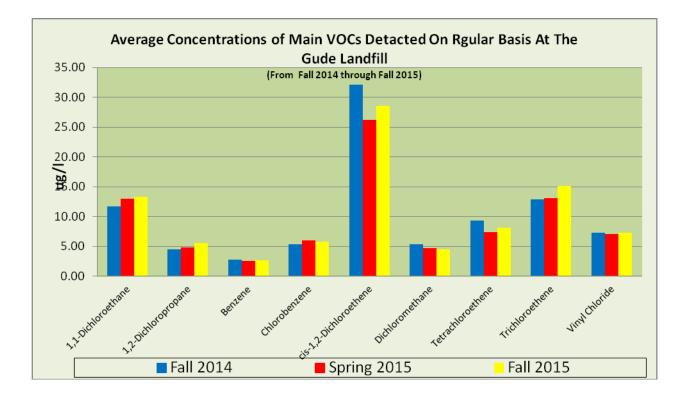
- Groundwater flow around the landfill appears to follow the general topography of the area where the landfill is located and it follows the general surface water flow direction. The overall surface water flow in the area is towards the east and south away from the landfill.
- Most of the detected groundwater contaminants at Gude Landfill are Volatile Organic Compounds (VOCs). These low levels of VOCs detected in groundwater are generally not transported to surface waters.
- The overall number of detections per year has remained relatively constant over the past 10 year time period.
- While some detected VOC concentrations (1,2-Dichloropropane in OB03) appear to be trending upwards, the concentration for other VOC (Tetrachloroethene in OB03) seem to be decreasing over the same period suggesting an ongoing VOC degradation
- process. Contaminants at Gude Landfill mainly involve chlorinated solvent degradation products including 1,1-Dichloroethane, 1,2-Dichloropropane, cis-1,2-Dichloroethene, Tetrachloroethene, Trichloroethene, and Vinyl Chloride.
- Since April 2001, most of all detections exceeding MCL have occurred in observation wells located on the northern and southern part of the landfill which includes OB11/OB11A located on the south side (front side) of the landfill and observation wells OB03/OB03A and MW13A/MW13B on the north side (back side) of the landfill.



NOTE: This Graph includes the monitoring results for all the monitoring locations including the the pre-existing (origional)



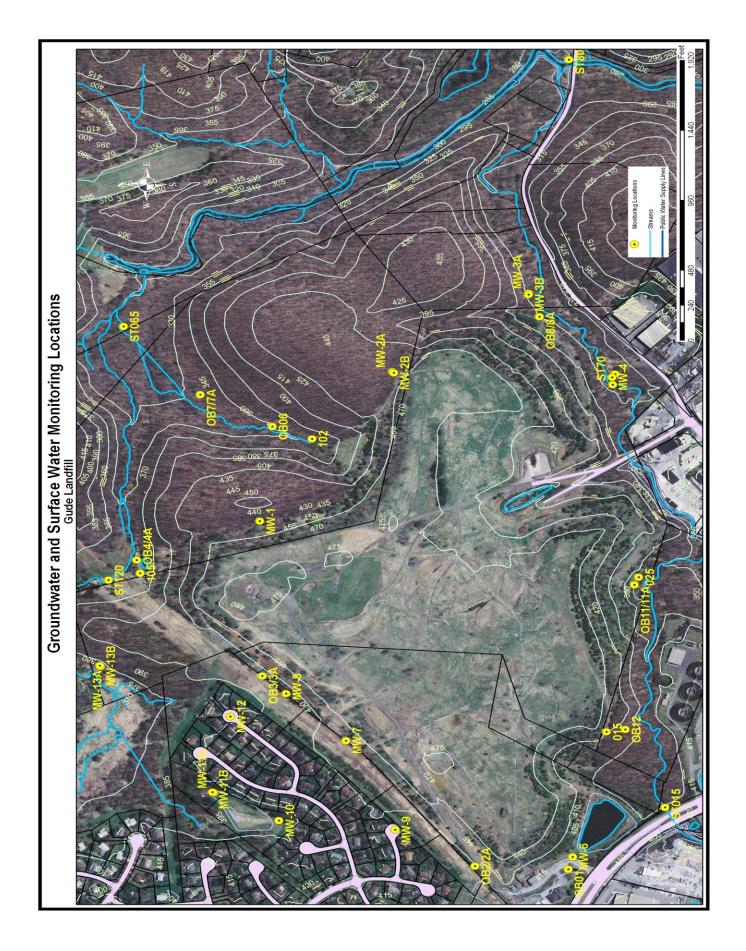




# Appendix A

# **Gude Landfill Aerial Photo and Sample**

Locations



# **Appendix B**

# **Tables of Volatile Organic Compounds**

Results in (µg/l)

	Parameter	OB01	OB02	OB02A	OB03	OB03A	OB04	OB04A	OB06	0B07
	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	31.5	19.5	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	1.51	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	4.29		ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	9.63	5.64		ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	14	8.08	5.85	7.66	1.35	
	2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	4.27	2.32	1.86	1.86		ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
S	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND
0	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	1.95	1.62	1.53	1.33	1.3	
	Chloroethane	ND	ND	ND		ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.63	ND	ND	88.5	53.2	13.3	17.3	1.21	1.64
	cis-1,3-Dichloropropene	ND	ND	ND	ND		ND	ND	ND	ND
	Dibromochloromethane	ND		ND				ND		ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	1.8	3.43	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	1.45	1.36	ND	1.14
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	6.41	3.83		ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND		ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	35.2	20.7	1.49			ND
	Trichlorofluoromethane	ND	ND	ND	1.45		ND	ND	ND	ND
	Vinyl Acetate	ND	ND	ND		ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	12.8		1.41	1.98		ND
	Xylenes (Total)	NT		NT				NT	NT	NT

NT: Not Tested, NS: Not Sampled, ND: Not Detected, Note: MCL exceedances are indicted in Red Note: Stream Monitoring ocations ST015 and ST065 were dried and not sampled

		OB07A	08	OB08A	10	OB102	OB105	11	11A	12
	Parameter	OB(	<b>OB08</b>	OB(	0B1(	OB	OB	OB1	OB1	OB1
	1,1,1,2-Tetrachloroethane	ND		ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	3.45	ND	ND	18.1	15.1	18.6
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	2.89	2.05	ND
	1,2-Dichloroethane	ND	ND	ND	1.01	ND	ND	3.42	2.68	1.78
	1,2-Dichloropropane	ND	1.02	2.06	4.26	ND	ND	5.53	4.7	11.6
	1,4-Dichlorobenzene	ND	2.39	3.92	10.4	1.62	2.37	16.3	12.2	10
	2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	1.03	2.43	ND	ND	4.32	2.47	4.41
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
S	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND
01	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>3</b> (	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	4.01	7.05	3.46	2.74	ND	30.3	20.2	3.38
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
A	Chloroform	ND		ND	ND	ND	ND	ND	ND	ND
	Chloromethane			ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.73	10.4	11.9		ND	5.54	79	74.2	43.2
	cis-1,3-Dichloropropene	ND		ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane			ND		ND			ND	ND
	Dibromomethane	ND		ND	ND	ND	ND	ND	ND	ND
	Dichloromethane			ND	ND	ND	ND		ND	4.73
	Ethylbenzene			ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND		ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND		ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND		ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND		ND	ND	ND	ND	ND	ND	ND
	Styrene	ND		ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.43		ND	ND	ND	ND	21.7	6.78	26.2
	Toluene			ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene			ND	3.05		ND	3.79	2.93	
	trans-1,3-Dichloropropene			ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND		ND	ND	ND	ND	ND	ND	ND
	Trichloroethene			ND	15.6		ND	26.3	18.6	
	Trichlorofluoromethane			ND	ND	ND	ND		ND	2.47
	Vinyl Acetate	ND		ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	1.55		23.5		ND	14.6		
	Xylenes (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT

NT: Not Tested, NS: Not Sampled, ND: Not Detected, Note: MCL exceedances are indicted in Red Note: Stream Monitoring ocations ST015 and ST065 were dried and not sampled

		15	25	ST015	20	55	0	00	MW1B	MW2A
	Parameter	) O B	0B25	STC	ST1	ST65	ST70	ST80	Ň	MM
	1,1,1,2-Tetrachloroethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	1,1-Dichloroethane	1		NS	ND	NS	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	NS	ND	NS	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	NS	ND	NS	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	NS	ND	NS	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	1.15		ND	NS	ND	ND	ND	ND
	2-Butanone	ND	ND	NS	ND	NS	ND	ND	ND	ND
	2-Hexanone	ND	ND	NS	ND	NS	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Acetone	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Acrylonitrile	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Benzene	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Bromochloromethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
S	Bromodichloromethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Bromoform	ND	ND	NS	ND	NS	ND	ND	ND	ND
0	Bromomethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Carbon disulfide	ND	ND	NS	ND	NS	ND	ND	ND	ND
N	Carbon Tetrachloride	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Chlorobenzene	ND	2.15		ND	NS	ND	ND	ND	ND
	Chloroethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Chloroform	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Chloromethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	7.14		1.13		ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND		NS	ND	NS	ND	ND	ND	ND
	Dibromochloromethane	ND		NS	ND	NS	ND	ND	ND	ND
	Dibromomethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Dichloromethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Ethylbenzene	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Methyl Iodide	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	NS	ND	NS	ND	ND	ND	ND
	ortho-Xylene	ND	ND	NS	ND	NS	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Styrene	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	NS	ND	NS	ND	ND	ND	2.02
	Toluene	ND	ND	NS	ND	NS	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	NS	ND	NS	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	NS	ND	NS	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Trichloroethene	ND	2.07		ND	NS	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Vinyl Acetate	ND	ND	NS	ND	NS	ND	ND	ND	ND
	Vinyl Chloride	ND	2.78		ND	NS	ND	ND	ND	ND
	Xylenes (Total)	NT		NS	NT	NS	NT	NT	NT	NT

		ß	A	ß	4	9	7	8	6	0
	Parameter	MW2B	MW3A	MW3B	MW04	MW06	70WM	MW08	60MW	MW10
	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND		ND	ND	ND	ND
	1,1,1-Trichloroethane	ND								
	1,1,2,2-Tetrachloroethane	ND								
	1,1,2-Trichloroethane	ND								
	1,1-Dichloroethane	ND	ND	ND	ND	1.15		ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND		ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND		ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND								
	1,2-Dibromoethane	ND								
	1,2-Dichlorobenzene	ND								
	1,2-Dichloroethane	ND								
	1,2-Dichloropropane	ND								
	1,4-Dichlorobenzene	ND	ND	ND	ND	3.92	3.39		ND	ND
	2-Butanone	ND								
	2-Hexanone	ND								
	4-Methyl-2-Pentanone	ND								
	Acetone	ND	ND	ND	ND		ND	ND	ND	ND
	Acrylonitrile	ND	ND	ND	ND		ND	ND	ND	ND
	Benzene	ND	ND	ND	ND		ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND		ND	ND	ND	ND
2	Bromodichloromethane	ND								
-	Bromoform	ND		ND						
01	Bromomethane	ND	ND	ND	ND		ND	ND	ND	ND
	Carbon disulfide	ND								
2	Carbon Tetrachloride	ND								
	Chlorobenzene	ND	ND	ND	ND	7.9		ND	ND	ND
	Chloroethane	ND								
	Chloroform	ND	1.28		ND	ND	ND	ND	ND	ND
A	Chloromethane	ND		ND	ND		ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	12.9		ND	ND	ND
	cis-1,3-Dichloropropene	ND								
	Dibromochloromethane	ND		ND	ND			ND		ND
	Dibromomethane	ND								
	Dichloromethane	ND								
	Ethylbenzene	ND								
	Methyl Iodide	ND								
	Methyl Tertiary Butyl Ether	ND	ND	ND	6.07	ND	ND	ND	ND	ND
	ortho-Xylene	ND								
	para-Xylene & meta-Xylene	ND								
	Styrene	ND								
	Tetrachloroethene	2.28		ND	ND	ND		ND	17.1	ND
	Toluene	ND								
	trans-1,2-Dichloroethene	ND		ND	ND		ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND		ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND								
	Trichloroethene	ND	2.03							
	Trichlorofluoromethane	ND								
	Vinyl Acetate	ND		ND			ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	1.42		ND	ND	ND
	Xylenes (Total)	NT		NT			NT	NT	NT	NT

NT: Not Tested, NS: Not Sampled, ND: Not Detected, Note: MCL exceedances are indicted in Red Note: Stream Monitoring ocations ST015 and ST065 were dried and not sampled

		1A	1B	2	3A	3B
	Parameter	MW11A	MW11B	MW12	MW13A	MW13B
	1,1,1,2-Tetrachloroethane	_ <b>∠</b> ND	ND	ND	∠ ND	 ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	13	12
	1,1-Dichloroethene	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	2.06	2.19
	1,2-Dichloropropane	ND	ND	ND	<b>5.41</b>	6.03
	1,4-Dichlorobenzene	ND	ND	ND	3.68	7.91
	2-Butanone	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	1.71	2.96
	Bromochloromethane	ND	ND	ND	ND 1.7 1	2.30 ND
	Bromodichloromethane	ND	ND	ND	ND	ND
47	Bromoform	ND	ND	ND	ND	ND
Σ	Bromomethane	ND	ND	ND	ND	ND
2015	Carbon disulfide	ND	ND	ND	ND	ND
N	Carbon Tetrachloride	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	1.28	1.75
	Chloroethane	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND		
FALL	Chloromethane	ND	ND	ND	ND I.I.	ND
	cis-1,2-Dichloroethene	ND	1.15		81.5	73.5
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	3.63	4.71
	Ethylbenzene	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	3.33		11.9	15.2
	Toluene	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	2.57	2.89
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND
	Trichloroethene	ND	1.17		21.8	20.7
	Trichlorofluoromethane	ND	ND	ND	ND	ND
	Vinyl Acetate	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	6	7.37
	Xylenes (Total)	NT	NT	NT	NT	NT

NT: Not Tested, NS: Not Sampled, ND: Not Detected, Note: MCL exceedances are indicted in Red Note: Stream Monitoring ocations ST015 and ST065 were dried and not sampled

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Loodion	1,1,1,2-Tetrachloroethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1.1.1-Trichloroethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	NS	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	1.09		1.02	1.85	0.75	1.33		ND	ND	ND	1.09		ND	ND	ND	ND
	1,1-Dichloroethene	ND	NS	ND	ND 1.00	ND	ND	1.1		ND	ND	ND 1.03	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	NS	ND		ND	ND	ND I.I	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	NS		NT	1	1.48		ND	ND	ND	ND	ND	NT	ND	ND	ND
	1,2-Dichloroethane	ND	NS	ND	ND	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	NS	ND	ND	0.59		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	NS	ND	1.94		3.19		ND		ND	1.64		ND	ND	ND	ND
	2-Butanone	NT	NT	NT	ND 1.04	ND 2.01	ND	ND	ND	ND 1.5	ND	ND 1.04	ND	ND	ND	ND	ND
	2-Hexanone	NT	NT	NT		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	NT	NT		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	NS	ND	ND	0.39		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NS	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Bromodichloromethane	ND	NS			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	NS	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	NS	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Σ	Carbon disulfide	ND	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB01	Carbon Tetrachloride	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ö	Chlorobenzene	ND	NS	ND	1.03	1.57	1.43	ND	ND	1.3	ND		ND	ND	ND	ND	ND
•	Chloroethane	ND	NS	ND	ND	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	NS	ND	ND	0.92	0.74	ND	ND	ND	ND	1.38	ND	ND	ND	ND	ND
	Chloromethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	14.78	NS	ND	11.8	ND	7.71	6.6	ND	6.2	ND	6.68	1.9	2.81	2.39	2.97	1.63
	cis-1,3-Dichloropropene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	NS	ND	ND	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	5.12		ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	NS	ND	ND	ND	0.77		ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	NS	ND	ND	0.34		NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	NS	ND	ND	ND	ND		NT	NT	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	NS		ND	0.51		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	NS	ND	ND	0.67			ND		ND	ND		ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	NS	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	NT	NT		ND	ND		ND	ND	ND	ND		ND	ND	ND	ND
	Trichloroethene	ND	NS		ND	0.85	ND		ND	ND	ND	ND		ND	ND	ND	ND
	Trichlorofluoromethane	ND	NS			ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	-	NT	0.01			ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	1.31			ND	2.77	5.09		ND		ND			ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND															
	1,1,1-Trichloroethane	ND															
	1,1,2,2-Tetrachloroethane	ND															
	1,1,2-Trichloroethane	ND															
	1,1-Dichloroethane	ND															
	1,1-Dichloroethene	ND															
	1,2,3-Trichloropropane	ND	NT	ND	ND	ND	ND	ND									
	1,2-Dibromo-3-chloropropan	ND															
	1,2-Dibromoethane	ND															
	1,2-Dichlorobenzene	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	1,2-Dichloroethane	ND															
	1,2-Dichloropropane	ND															
	1,4-Dichlorobenzene	ND	ND	ND	ND	0.48		ND									
	2-Butanone	NT	NT	NT	ND												
	2-Hexanone	NT	NT	NT	ND												
	4-Methyl-2-Pentanone	NT	NT	NT	ND												
	Acetone	NT	NT	NT	ND	0.18		ND	14.5								
	Acrylonitrile	NT	NT	NT	ND												
	Benzene	ND															
	Bromochloromethane	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	Bromodichloromethane	ND															
	Bromoform	ND															
	Bromomethane	ND															
<b>OB02</b>	Carbon disulfide	ND	NT	NT	ND												
Ĩ	Carbon Tetrachloride	ND															
	Chlorobenzene	ND															
U	Chloroethane	ND															
	Chloroform	ND															
	Chloromethane	ND															
	cis-1,2-Dichloroethene	1.96	5 1.38	1.15	ND												
	cis-1,3-Dichloropropene	ND															
	Dibromochloromethane	ND															
	Dibromomethane	ND															
	Dichloromethane	ND															
	Ethylbenzene	ND															
	Methyl Iodide	NT	NT	NT	ND												
	Methyl Tertiary Butyl Ether	ND															
	ortho-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND						
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND						
	Styrene	ND															
	Tetrachloroethene	ND															
	Toluene	ND															
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND		ND									
	trans-1,3-Dichloropropene	ND	ND		ND												
	trans-1,4-Dichloro-2-buten	ND	NT	NT	ND												
	Trichloroethene	ND															
	Trichlorofluoromethane	ND	ND	ND	ND		ND										
	Vinyl Acetate	NT	NT	NT	NT	0.01	ND										
	Vinyl Chloride	ND															
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND															
	1,1,1-Trichloroethane	ND															
	1,1,2,2-Tetrachloroethane	ND															
	1,1,2-Trichloroethane	ND															
	1,1-Dichloroethane	ND															
	1,1-Dichloroethene	ND															
	1,2,3-Trichloropropane	ND	NT	NT	ND	ND	ND	ND									
	1,2-Dibromo-3-chloropropan	ND															
	1,2-Dibromoethane	ND															
	1,2-Dichlorobenzene	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	1,2-Dichloroethane	ND															
	1,2-Dichloropropane	ND															
	1,4-Dichlorobenzene	ND	ND	ND	ND	0.33		ND									
	2-Butanone	NT	NT	NT	ND												
	2-Hexanone	NT	NT	NT	ND												
	4-Methyl-2-Pentanone	NT	NT	NT	ND												
	Acetone	NT	NT	NT	ND												
	Acrylonitrile	NT	NT	NT	ND												
	Benzene	ND															
	Bromochloromethane	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	Bromodichloromethane	ND															
	Bromoform	ND															
◄	Bromomethane	ND															
5	Carbon disulfide	ND	NT	NT	ND												
0	Carbon Tetrachloride	ND															
OB02A	Chlorobenzene	ND															
Ο	Chloroethane	ND															
	Chloroform	ND															
	Chloromethane	ND	ND	ND	ND	ND	ND	1.5	ND								
	cis-1,2-Dichloroethene	ND	6.87	9.19		0.65	ND										
	cis-1,3-Dichloropropene	ND															
	Dibromochloromethane	ND															
	Dibromomethane	ND															
	Dichloromethane	ND															
	Ethylbenzene	ND															
	Methyl Iodide	NT	NT	NT	ND												
	Methyl Tertiary Butyl Ether	ND															
	ortho-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND						
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND						
	Styrene	ND															
	Tetrachloroethene	ND															
	Toluene	ND															
	trans-1,2-Dichloroethene	ND	ND		ND	ND		ND									
	trans-1,3-Dichloropropene	ND	ND		ND			ND									
	trans-1,4-Dichloro-2-buten	ND	NT	NT	ND												
	Trichloroethene	ND	1.39				ND										
	Trichlorofluoromethane	ND	ND		ND		ND										
	Vinyl Acetate	NT	NT		NT		ND										
	Vinyl Chloride	ND	ND		ND		ND										
	Xylene (Total)	NT	NT		NT	NT	NT	ND	ND	ND	NT						

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Location	1,1,1,2-Tetrachloroethane	2000-3 ND	2000-1 ND	2003-3 ND	2003-1 ND	ND		ND	ND	ND	ND	2013-3 ND		ND	2014-1 ND	ND	ND
	1,1,1-Trichloroethane	ND	ND			ND		ND	ND	ND	ND			ND			
	1,1,2,2-Tetrachloroethane	ND	ND			ND		ND	ND			ND			ND	ND	ND
		ND	ND	ND				ND		ND	ND	ND		ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND 04.5
	1,1-Dichloroethane	47.23		48.38	45	-	36.40		ND	23		34.3	37.8	18			
	1,1-Dichloroethene	ND	ND			ND	0.71		ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND			ND		ND	ND	ND	ND	NT		ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND			ND	1.52		ND	ND	ND	ND		ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND			ND		ND	ND	ND	ND						
	1,2-Dichlorobenzene	1.82	1.34		NT	0.83	1.92		ND		ND	1.47	1.57		1.29		
	1,2-Dichloroethane	4.98	4.09	4.81		1.24	3.84		-	ND	ND	3.68	2.61	1.87	3.74		
	1,2-Dichloropropane	14.47	12.33	16.14	15.8	3.6		4.1				10.5	15.3	5.49	8.57	6.9	
	1,4-Dichlorobenzene	7.97		ND	13.6	11.7	11.30		ND	9.7			18.2	8.08	12.2		
	2-Butanone	NT	NT		ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	2-Hexanone	NT	NT	NT		ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT			ND		ND	ND	ND	ND						
	Acetone	NT	NT		ND	0.12			ND	ND	ND	ND		ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	4.62	3.2	5.53	4.56	1.83			5.5		ND	3.44	5.38	1.32	4.18		
	Bromochloromethane	ND	ND			ND		ND	ND	ND	ND	ND		NT	ND	ND	ND
	Bromodichloromethane	ND	ND			ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Bromoform	ND	ND			ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
m	Bromomethane	ND	ND			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ö	Carbon disulfide	ND	NT			ND	ND		ND	ND	ND	ND		ND	ND	ND	ND
B	Carbon Tetrachloride	ND	ND			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB03	Chlorobenzene	2.32	2.04	2.76	2.98	7.22	2.26	÷	2.4		ND	2.04	2.43	1.8			
	Chloroethane	1.23			1.55	0.79			ND	ND	ND		ND	ND	ND	ND	1.1
	Chloroform	ND	ND			ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Chloromethane	ND	ND		ND	ND	ND	5.3		ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	161.47	120.9	164.77	156	31.7	117.00		ND	71		97.1	126	54.7	86		
	cis-1,3-Dichloropropene	ND	ND	ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND		ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Dibromomethane	ND	ND			ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Dichloromethane	ND	ND			ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Ethylbenzene	ND	ND			ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Methyl Iodide	NT	NT			ND		ND	ND	ND	ND						
	Methyl Tertiary Butyl Ether	ND	5.57		2.05		1.71		ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND		ND		NT	NT	NT	ND	ND		ND	ND	ND	ND
	para-Xylene & meta-Xylene	1.33				ND		NT	NT	NT	ND	ND		ND	ND	ND	ND
	Styrene	ND	ND			ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Tetrachloroethene	ND	ND	4.49		ND	11.00			ND	ND	2.39		ND	3.19		ND
	Toluene	2.46		ND	1.49			ND	ND	ND	ND	ND		ND	ND	ND	ND
	trans-1,2-Dichloroethene	8.87	-										3.98				
	, , , ,							ND		ND	ND	ND		ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND				ND				ND	ND	ND		ND	ND	ND	ND
	Trichloroethene	132.6		130.79	131	17.4						57.9	87.4	24.2	45.4		
	Trichlorofluoromethane			ND	4.88			ND		ND	ND	ND		ND	ND	ND	1.45
	Vinyl Acetate				NT	0.01				ND	ND	ND		ND	ND	ND	ND
	Vinyl Chloride	23.16		29.48	30.5	7.84			41				16.8	8.89	18.2		
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	2000-3 ND	2000-1 ND			2010-3 ND		ND		2012-3 ND		2013-3 ND		ND	2014-1 ND	ND	ND
	1,1,1-Trichloroethane	ND	ND			ND		ND		ND				ND		ND	ND
			2008-F					ND	ND						ND		
	Parameter	2008-3 ND	2008-F					ND		ND				ND		ND	ND
	1,1,2-Trichloroethane								ND	ND	ND	ND		ND 7.40	ND	ND	ND
	1,1-Dichloroethane	50.9		46.99	25.3	3.23	32.40		ND	11		12.5	32.5		21.2		
	1,1-Dichloroethene	ND	ND			ND	0.57			ND		ND		ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND					ND		ND				ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND					ND		ND				ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND			ND		ND		ND				ND	ND	ND	ND
	1,2-Dichlorobenzene	2			NT	0.42	0.81			ND		ND		NT	ND	ND	ND
	1,2-Dichloroethane	5.07	4.4	4.1		ND	3.30			ND	ND	1.47	2.76		2.66		2.37
	1,2-Dichloropropane	14.83	13.07	13.54	9.1	0.92	10.80		8.1	2.9		3.67	12.8	2.25	-	ND	5.64
	1,4-Dichlorobenzene	7.67		ND	12.6	5.92	9.28		ND	6.3		5.64	16		9.01	2.09	
	2-Butanone	NT	NT		ND					ND		ND		ND	ND	ND	ND
	2-Hexanone	NT	NT			ND		ND		ND		ND		ND	ND	ND	ND
	4-Methyl-2-Pentanone		NT					ND		ND				ND	ND	ND	ND
	Acetone	NT	NT		ND	0.13			ND	ND		ND		ND	ND	ND	ND
	Acrylonitrile	NT	NT			ND		ND	ND	ND		ND		ND	ND	ND	ND
	Benzene	4.47	5.44	4.08	4.19	1.2	4.06		4.7		ND	1.51	4.53		3.33		2.32
	Bromochloromethane	ND	ND	ND		ND				ND		ND	ND	NT	ND	ND	ND
	Bromodichloromethane	ND	ND					ND		ND		ND		ND	ND	ND	ND
	Bromoform		ND					ND	ND	ND				ND	ND	ND	ND
▼	Bromomethane		ND			=		ND		ND				ND	ND	ND	ND
3	Carbon disulfide		NT					ND		ND				ND	ND	ND	ND
S S	Carbon Tetrachloride		ND					ND	ND	ND	ND	ND		ND	ND	ND	ND
OB03/	Chlorobenzene	1.98		3.73	5.52	5.21	2.78		3.3		ND	2.46	2.78			ND	1.62
	Chloroethane	1.43		1.69	1.21	0.33	1.31		ND	ND		ND	1.43		ND	ND	ND
	Chloroform	ND	ND			ND		ND		ND				ND	ND	ND	ND
	Chloromethane	ND	ND		ND	ND	1.54			ND	ND	ND		ND	ND	ND	ND
	cis-1,2-Dichloroethene	168.82	141.19	137.52	84.9	6.23	98.10		ND	33		34.1	94.8	22.9	56.2	11.2	2 53.2
	cis-1,3-Dichloropropene	ND	ND			ND		ND	ND	ND				ND	ND	ND	ND
	Dibromochloromethane	ND	ND			=		ND		ND	ND	ND		ND	ND	ND	ND
	Dibromomethane	ND	ND			ND		ND	ND	ND				ND	ND	ND	ND
	Dichloromethane	ND	ND			=	ND			ND				ND	ND	ND	ND
	Ethylbenzene	ND	ND					ND		ND	ND	ND		ND	ND	ND	ND
	Methyl Iodide		NT		ND	ND		ND	ND	ND		ND		ND	ND	ND	ND
	Methyl Tertiary Butyl Ether		ND	ND	1.39	1.15		ND		ND		ND		ND	ND	ND	ND
	ortho-Xylene	ND	ND			ND		NT	NT	NT				ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND			ND		NT	NT	NT				ND	ND	ND	ND
	Styrene	ND	ND			ND		ND		ND		ND		ND	ND	ND	ND
	Tetrachloroethene	1.66	26.21	3.67	7.11	ND	17.80	ND	ND	ND	ND	ND	ND	ND	1.18	ND	ND
	Toluene	1.05		ND	ND	ND			ND	ND			ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	9.93		9.08	6.06				9		6.13	2.69	5.83	1.46	4.06	ND	3.83
	trans-1,3-Dichloropropene	ND			ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	141.41		113.09	66.7	2.71	19.30		<b>56</b>	18	64.8	18	64		27.2	1.87	20.7
	Trichlorofluoromethane	ND	ND	ND	3.08		2.47	ND	6.5	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	0.01	ND	NT	ND	ND				ND	ND	ND	ND
	Vinyl Chloride	23.11	22.43	27.36	22.9	1.99		ND	31	ND	15.8	7.33	12.5	4.26	11.7	2.07	8.16
1 /	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	1.1.2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	ND	0.35			ND	ND		ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	0.55 ND	ND	ND 22	ND	ND		ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND		NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	0.45		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	0.43 ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND		NT	0.46		ND	ND	ND	ND	1.01		NT	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	0.40 ND	ND	ND	ND	ND	ND	ND 1.01	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	0.52		ND	ND	ND	ND	1.15		ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	6.06		2.91		ND	5.9		1.15	5.2				
	2-Butanone	NT	NT	NT	0.00 ND	0.41	0.65		ND	ND 5.9		ND 14.7	5.2 ND	5.62 ND	5.31 ND	5.97 ND	ND 5.65
	2-Hexanone	NT	NT	NT	ND	0.41 ND	0.03 ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	NT	NT	ND	0.49				ND		ND		ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	ND	0.49 ND	ND	ND 0.0	ND	ND		ND	ND	ND	ND	ND	ND
	Benzene	ND	1.21	1.68	1.62	1.6	2.04		ND		ND	3.73			1.73		
	Bromochloromethane	ND	ND 1.21	ND 1.00	NT	ND 1.0	ND 2.04	2.2 ND	ND	ND 1.0	ND	ND 3.73	ND 1.34	NT	ND	ND 1.30	ND 1.00
	Bromodichloromethane	ND	ND			ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND			ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
4	Carbon disulfide	ND	NT	NT	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
8	Carbon Tetrachloride	ND	ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
OB04	Chlorobenzene	ND	ND	ND	1.09	-	0.90		ND		ND	2.85		1.38			
0	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND		ND	ND	7.5		ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	6.45	15.43	18.92	17	-	8.32		ND	14		27.7		12.4			
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND		ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	1.42	1.93		1.03	7.7	ND	ND	ND	3.48	1.73		1.66	2.06	
	Ethylbenzene	ND	ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	NT	NT	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	1.34	1.99	1.25	1.69	0.70	13	ND	2	ND	3.93	1.24	1.63	1.39	1.59	9 1.45
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	0.45	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND			ND	ND		ND		ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	1.4	1.82	1.66	1.51	1.08	17	ND		ND	3.42	1.76	1.38	1.35	1.36	5 1.49
	Trichlorofluoromethane	ND	ND			ND	ND	3.8		ND		ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT			ND		ND	ND	ND		ND		ND	ND	ND	ND
	Vinyl Chloride	ND	ND	1.47			2.16	ND	ND	ND	ND	3.03		1.4			
	Xylene (Total)	NT	NT		NT	NT	NT	ND	ND	ND		NT		NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1.1.1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1.1.2-Trichloroethane	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND		ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND		NT	0.47		ND	ND	ND	ND	1.06		NT	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND 0.47	ND	ND	ND	ND	ND	ND 1.00	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	0.57		ND	ND	ND	ND	1.33		ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	4.46				4.66		ND	ND 7.6			6.23				
	2-Butanone	NT	4.40 NT	NT	7.33 ND	0.97 ND	0.78		ND	7.0 ND	0.94 ND	15.9 ND	0.23 ND	7.07 ND	6.83 ND	ND 7.95	5 7.66 ND
	2-Hexanone	NT	NT	NT		ND	0.78 ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	ND	ND	ND	ND	ND ND	ND ND	ND ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	NT			ND	18.60		ND	ND ND	ND ND	ND		ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	ND	ND	ND 18.00	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND
	Benzene	1.4		1.65	1.68	1.65	2.45		ND 2.1		ND ND	3.5					
	Bromochloromethane	ND 1.4	ND 1.52		1.00 NT	ND 1.05	2.43 ND	ND	2.1 ND	ND 1.0	ND	3.5 ND	1.94 ND		ND 1.7	ND	ND 1.00
	Bromodichloromethane	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	NT ND	ND	ND	ND
	Bromoform	ND	ND	ND		ND	ND	ND							ND		ND
	Bromomethane	ND	ND			ND	ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND
4	Carbon disulfide	ND	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	Carbon Tetrachloride	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m	Chlorobenzene	ND	ND	1.07	1.14	1.14	0.87		ND		ND	2.56		1.25			
OB04A	Chloroethane	ND	ND	ND 1.07	1.14 ND	1.14 ND	0.07 ND	ND	ND	1.3 ND	ND	2.50 ND	ND	1.25 ND	ND	ND	+ 1.33 ND
Ŭ	Chloroform	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	23.78		24.4	21.8	21.7	8.54		ND	20		36.8					
	cis-1,3-Dichloropropene	23.76 ND	ND 20.7	24.4 ND	21.6 ND	21.7 ND	0.54 ND	ND	ND	ND 20	ND 16.4		19.4 ND	ND 16	ND 15.6	ND 17.6	ND 17.3
	Dibromochloromethane	ND	ND			ND	ND	ND	ND	ND	ND	ND ND		ND	ND	ND	ND
	Dibromomethane	ND	2.44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	2.45		2.98	3.38	3.18	3.39			ND	ND	6.57		2.88	=	=	
	Ethylbenzene	ND 2.43	ND	2.30 ND		3.16 ND	0.03 ND	ND	4.4 ND	ND	ND	0.57 ND	ND	2.00 ND	2.0 ND	ND 2.72	+ 3.43 ND
	Methyl Iodide	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND		NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND			ND		NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.42	1.34		1.23	1.52	0.60		1.3		ND	3.36		1.35			
	Toluene	1.42 ND	1.34 ND	1.7 ND	1.23 ND	1.52 ND	0.60 ND	ND	I.3 ND	I.9 ND	ND	3.30 ND	ND	1.35 ND	1.14 ND	ND	9 1.30 ND
	trans-1,2-Dichloroethene	ND	ND			0.55		ND			ND	1.22		ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND			0.55 ND		ND	2.2 ND	ND	ND ND	1.22 ND		ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND		ND ND		ND	ND				ND ND			ND ND		ND
	Trichloroethene	1.96				ND 1 71	1.07		ND 1.2	ND 1.0				ND		ND	
	Trichlorofluoromethane	1.96 ND	1.45 ND		1.83		1.07 ND	ND	1.3			3.39		1.47			
		NT	NT			ND 0.01		ND	ND	ND		ND		ND	ND	ND	ND
	Vinyl Acetate				NT				ND	ND	ND	ND	ND	ND	ND	ND	ND 1.00
	Vinyl Chloride	1.37				1.83			ND	ND	ND	4.37					
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND															
	1,1,1-Trichloroethane	ND	ND	ND		ND											
	1,1,2,2-Tetrachloroethane	ND	ND	ND		ND											
	1,1,2-Trichloroethane	ND	ND	ND		ND											
	1,1-Dichloroethane	ND	ND	ND		ND											
	1,1-Dichloroethene	ND	ND	ND		ND		ND									
	1,2,3-Trichloropropane	ND	ND	ND		ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND		ND											
	1,2-Dibromoethane	ND															
	1,2-Dichlorobenzene	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	1,2-Dichloroethane	ND	ND	ND		ND											
	1,2-Dichloropropane	ND	ND	ND		ND											
	1,4-Dichlorobenzene	1.03	ND	ND	1.43		0.93	ND	ND	7	ND	1.66	1.21	1.42	1.26	1.35	1.12
	2-Butanone	NT	NT	NT	ND	0.57	ND										
	2-Hexanone	NT	NT	NT	ND												
	4-Methyl-2-Pentanone	NT	NT	NT	ND	ND		ND									
	Acetone	NT	NT	NT	ND	0.14	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	ND												
	Benzene	ND															
	Bromochloromethane	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	Bromodichloromethane	ND															
	Bromoform	ND															
(0	Bromomethane	ND															
06	Carbon disulfide	NT	NT	NT		ND											
ă	Carbon Tetrachloride	ND	ND	ND		ND											
<b>OB06</b>	Chlorobenzene	ND	ND	ND	ND	0.66	0.56		ND	ND	ND	1.4	1.21	1.41	1.05	1.3	1.3
	Chloroethane	ND	ND	ND		ND											
	Chloroform	ND	ND	ND		ND											
	Chloromethane	ND	ND	ND		ND	0.91		ND								
	cis-1,2-Dichloroethene	2.31	2.39			1.82	1.64		ND	1.6	ND	1.65	ND	1.39	1.28	1.21	1.21
	cis-1,3-Dichloropropene	ND															
	Dibromochloromethane	ND	ND	ND		ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Dibromomethane	ND	ND	ND		ND											
	Dichloromethane	ND	ND	ND		ND		ND									
	Ethylbenzene	ND	ND	ND		ND		ND									
	Methyl Iodide	NT	NT	NT		ND											
	Methyl Tertiary Butyl Ether	ND	ND	ND		ND		ND									
	ortho-Xylene	ND	ND	ND		ND		NT	NT	NT	ND						
	para-Xylene & meta-Xylene	ND	ND			ND	-	NT	NT	NT	ND						
	Styrene	ND	ND			ND											
	Tetrachloroethene	ND		ND	ND	0.68		ND	ND	ND	ND	1.16		ND	ND	ND	ND
		ND	ND		ND		ND	ND	ND	ND							
	trans-1,2-Dichloroethene	ND	ND			ND		ND		ND	ND	ND		ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND					ND	ND	ND	ND	ND		ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NT	NT					ND	ND	ND	ND	ND		ND	ND	ND	ND
	Trichloroethene	ND	ND		ND	0.36		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND			ND		ND									
	Vinyl Acetate	NT	NT					ND	ND	ND	ND	ND		ND	ND	ND	ND
	Vinyl Chloride	ND	ND					ND	ND	ND	ND	ND		ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	NS		ND			ND		ND							
	1,1,2,2-Tetrachloroethane	ND	NS		ND		ND	ND		ND							
	1,1,2-Trichloroethane	ND	NS		ND		ND			ND							
	1,1-Dichloroethane	ND	NS		ND		ND	ND		ND							
	1,1-Dichloroethene	ND	NS	ND	ND	ND	ND	ND	19	ND							
	1,2,3-Trichloropropane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	NS	ND	ND	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	NS	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	NS	ND	NT	0.47	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	1,2-Dichloroethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	NS	ND	ND			ND	5.3	ND							
	1,4-Dichlorobenzene	ND	NS	ND	ND	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	NT	NT	NT	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	NT		ND					ND							
	4-Methyl-2-Pentanone	NT	NT		ND					ND							
	Acetone	NT	NT					ND			ND	ND		ND	ND	ND	ND
	Acrylonitrile	NT	NT		ND			ND		ND							
	Benzene	ND	NS		ND			ND		ND							
	Bromochloromethane	ND	NS		NT			ND		ND	ND	ND	ND	NT	ND	ND	ND
	Bromodichloromethane	ND	NS		ND	ND				ND							
	Bromoform	ND	NS							ND							
	Bromomethane	ND	NS		ND			ND		ND							
Ö	Carbon disulfide	NT	NT		ND	ND				ND							
<b>D</b>	Carbon Tetrachloride	ND	NS							ND							
	Chlorobenzene	ND	NS					ND		ND							
	Chloroethane	ND	NS		ND	ND		ND		ND							
	Chloroform	ND	NS		ND	ND		ND		ND							
	Chloromethane	ND	NS		ND	ND	1.38			ND							
	cis-1,2-Dichloroethene	ND ND	NS NS	1.45 ND		1.3	1.48	ND	ND		ND	1.7			-	1.53	
	cis-1,3-Dichloropropene Dibromochloromethane	ND	NS NS		ND ND	ND ND				ND ND							
	Dibromomethane	ND	NS		ND			ND		ND							
	Dichloromethane	ND	NS		ND			ND		ND							
	Ethylbenzene	ND	NS		ND					ND							
	Methyl Iodide	NT	NT		ND	ND				ND							
	Methyl Tertiary Butyl Ether	ND	NS		ND			ND		ND							
	ortho-Xylene	ND	NS		ND			NT		NT	ND						
	para-Xylene & meta-Xylene	ND	NS			ND				NT	ND						
	Styrene	ND	NS		ND	ND		ND		ND							
	Tetrachloroethene	ND	NS		ND	1.23	1.61			ND	ND	1.52		1.19		ND	1.14
	Toluene	ND	NS			ND		ND		ND	ND	ND		ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	NS								ND	ND		ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	NS				ND				ND						
	trans-1,4-Dichloro-2-buten	NT									ND	ND		ND	ND	ND	ND
	Trichloroethene	ND			ND	0.49					ND	ND		ND	ND	ND	ND
	Trichlorofluoromethane	ND									ND						
	Vinyl Acetate	NT								ND							
	Vinyl Chloride	ND	NS								ND	ND		ND	ND	ND	ND
1 1	Xylene (Total)	NT	NT		NT					ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND															
	1,1,1-Trichloroethane	ND															
	1,1,2,2-Tetrachloroethane	ND															
	1,1,2-Trichloroethane	ND															
	1,1-Dichloroethane	ND															
	1,1-Dichloroethene	ND															
	1,2,3-Trichloropropane	ND	NT	ND	ND	ND	ND	ND									
	1,2-Dibromo-3-chloropropan	ND															
	1,2-Dibromoethane	ND															
	1,2-Dichlorobenzene	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	1,2-Dichloroethane	ND															
	1,2-Dichloropropane	ND															
	1,4-Dichlorobenzene	ND	ND	ND	ND	0.23	ND										
	2-Butanone	NT	NT	NT	ND												
	2-Hexanone	NT	NT	NT	ND												
	4-Methyl-2-Pentanone	NT	NT	NT	ND												
	Acetone	NT	NT	NT	ND		ND	ND	ND	ND							
	Acrylonitrile	NT	NT	NT	ND												
	Benzene	ND															
	Bromochloromethane	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	Bromodichloromethane	ND															
	Bromoform	ND															
◄	Bromomethane	ND															
OB07A	Carbon disulfide	NT	NT	NT	ND												
0	Carbon Tetrachloride	ND															
m	Chlorobenzene	ND															
0	Chloroethane	ND															
	Chloroform	ND															
	Chloromethane	ND	ND	ND	ND	ND	1.20	ND									
	cis-1,2-Dichloroethene	2.09	9 1.85	3.51	3	1.66	1.80	ND	ND	ND	ND	2.18	1.58	2.17	1.55	1.74	1.73
	cis-1,3-Dichloropropene	ND															
	Dibromochloromethane	ND	ND	ND	ND	ND		ND									
	Dibromomethane	ND															
	Dichloromethane	ND	ND	ND	ND	ND		ND	5.8	ND							
	Ethylbenzene	ND															
	Methyl Iodide	ND	NT	NT	ND												
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND		ND									
	ortho-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND						
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND						
	Styrene	ND															
	Tetrachloroethene	1.91	2.12	2.66	1.81	1.94	1.82	2	23	2	ND	2.06	1.99	1.83	1.4	1.2	2 1.43
	Toluene	ND	ND	ND	ND	ND		ND									
	trans-1,2-Dichloroethene	ND	ND		ND	ND		ND		ND	ND	ND		ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND		ND			ND	ND	ND	ND	ND		ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten		NT		ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Trichloroethene	ND	ND		ND	0.64			21	ND							
	Trichlorofluoromethane	ND	ND		ND			ND									
	Vinyl Acetate	NT	NT		NT	0.01	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Vinyl Chloride	ND	ND		ND			ND									
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Loodion	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND		ND			ND	ND		ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	1.2	0.46	0.87		ND	ND		ND	1.38		1.49		ND
	1,1-Dichloroethene	ND	ND	ND	ND 1.2	0.40 ND	ND		ND	ND		ND	ND 1.30	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND		NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	0.54			ND	ND		ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	0.34 ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND		NT	0.59		ND	ND	ND	ND	ND		NT	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	0.39		ND	ND	ND		ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	1.24	1.16	1.19	0.78	1.2				ND	1.54		=		
	1,4-Dichlorobenzene	ND	ND	ND	2.15		1.84		ND		ND	1.01	1.54				
	2-Butanone	NT	NT	NT		2.92 ND	ND		ND	ND 4		ND 1.01	ND 1.59	ND 3.00	ND 3.52	ND 2.4	+ 2.39 ND
	2-Hexanone	NT	NT	NT		ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT		ND	ND		ND	ND		ND	ND	ND	ND	ND	ND
	Acetone	NT	NT	NT	2.7		0.50		ND	ND		ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	2.7 ND	0.21 ND	0.00 ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	0.63	0.66		ND	ND		ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND		NT	0.03 ND	ND	ND	ND	ND		ND	ND	NT	ND	ND	ND
	Bromodichloromethane	ND	ND			ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND		ND	0.24		ND	ND	ND		ND	ND	ND	ND	ND	ND
8	Carbon disulfide	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8	Carbon Tetrachloride	ND	ND	ND		ND	ND		ND	ND		ND	ND	ND	ND	ND	ND
OB08	Chlorobenzene	ND	ND	22.02	1.95	3.13	3.31	6.1		5.7		1.52					
0	Chloroethane	ND	ND	ND	ND	0.41	0.55		ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	2.6		ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	3.92	3.1	10.93	10.4	10.3	8.39	8.9		17							
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	NT	NT	ND	0.38	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	0.44		ND	ND	ND		ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND			NT	NT	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	0.87	0.66	ND	ND	ND		ND		ND	1.2	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NT	NT	NT	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	ND	0.42	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND			ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT		NT	0.02	ND	3.2	ND	ND		ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	2.04	2.35	2.91	3.18		ND	4	3.68	1.78	4.41	3.53	3.83	1.8	3 1.55
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Deremeter	2000 0		2000 0	2000 F	2010 0	2010-F	2011 0	2011 E	2012 8	2012 F	2012 6	2012 F	2014 6	2014 E	2015 6	2015-F
Location	Parameter	2008-S	2008-F	2009-S ND				2011-S	2011-F	2012-S	2012-F	2013-S		2014-S	2014-F	2015-S	
	1,1,1,2-Tetrachloroethane	ND	ND			ND		ND	ND	ND	ND						
	1,1,1-Trichloroethane	ND	ND			ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND		ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND			ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	1.47	0.44			ND	ND		ND	1.54	1.15		ND	ND
	1,1-Dichloroethene	ND	ND	1.07		ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND		ND	ND	ND	ND	ND				ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND		ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND		ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	NT	0.32	ND	ND	ND	ND				NT	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	0.38		ND	ND	ND		ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	1.22		2.11	2.02	1.47	1.10		ND	-	ND	1.08	3.09	2.11	1.8	1.86	
	1,4-Dichlorobenzene	ND	ND	ND	3.97	3.34			ND	4.7	4.19	1.14	1.91	4.78	4.48	4.19	
	2-Butanone	NT	NT			ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	2-Hexanone	NT	NT			ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT			ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	Acetone	NT	NT			ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND
	Benzene	ND	ND	1.09	1.03	0.89	0.99		ND	1.1		ND		ND	1.07	1.06	1.03
	Bromochloromethane	ND	ND	ND		ND	ND	ND	ND	ND		ND		NT	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND		ND		ND	ND	ND	ND						
▼	Bromomethane	ND	ND			ND		ND	ND	ND	ND						
8	Carbon disulfide	NT	NT			ND	ND	ND	ND	ND				ND	ND	ND	ND
õ	Carbon Tetrachloride	ND	ND		ND												
OB08A	Chlorobenzene	2.27		3.43	3.38	3.93	4.22	7.3	ND	6.6	5.04	1.54	5.3	5.81	7.75	7.48	7.05
0	Chloroethane	ND	ND	ND	ND	0.47	0.62	1	ND	ND	ND	ND		ND	ND	ND	ND
	Chloroform	ND	ND	ND		ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	0.89		ND								
	cis-1,2-Dichloroethene	10.07	8.42	22.57	21.2	13.4	14.10	12	ND	21	19.6	9.61	26.2	20.7	12.1	11.1	11.9
	cis-1,3-Dichloropropene	ND	ND	ND		ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND		ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	Dibromomethane	ND	ND	ND		ND		ND	ND	ND	ND						
	Dichloromethane	ND	ND			ND		ND	ND	ND	ND						
	Ethylbenzene	ND	ND	ND		ND											
	Methyl Iodide	NT	NT	NT	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND		ND	0.42		ND	ND	ND				ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND		NT	NT	NT	ND						
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND						
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	1.48	1.37	0.99	0.89	ND	ND	ND	ND	ND	1.98	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND		ND									
	trans-1,4-Dichloro-2-buten	NT	NT	NT	ND		ND	ND	ND	ND							
	Trichloroethene	ND	ND	1.52		0.64	0.51	ND	ND	ND				ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND				ND	ND	ND					ND	ND	ND	ND
	Vinyl Acetate	NT	NT		NT	0.01			ND	ND				ND	ND	ND	ND
	Vinyl Chloride	1.6	ND	5.16	6.5		4.76		ND	5.4	4.99	2.31	6.38	4.86	4.99	3.39	
	Xylene (Total)	NT	NT				NT	ND	ND	ND		NT		NT	NT	NT	NT
		-	-	-		-	-	-	-	-			1				1

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	20121	ND		ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND		ND	ND	ND	ND			ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	1,1-Dichloroethane	1.04			3.49		5.60		ND	ND	4.06						
	1,1-Dichloroethene	ND	ND 1.51	ND	ND 3.49	ND		ND	ND	ND		7.23 ND		ND 3.33	ND 3.73	ND 2.00	ND 3.43
	1,2,3-Trichloropropane	ND	ND	ND	ND			ND	ND	ND		NT		ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND		ND	ND	ND				ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	NT		ND	ND	ND	ND	ND	1.02		NT	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	0.64		ND	ND	ND	1.02		ND	ND	ND	1.01
	1,2-Dichloropropane	1.55			2.53	1.26	2.65		ND		ND	5.86	2.36		3.25		-
	1,4-Dichlorobenzene	ND 1.00	ND 1.04	ND	4.84	2.1	5.54		ND	2.0				2.09	8.74		
	2-Butanone	NT	NT	NT	4.64 ND	2.1 ND	0.04 ND	ND	ND	ND 5		12.9 ND		ND 7.07	0.74 ND	ND 0.93	ND 10.4
	2-Hexanone	NT	NT	NT	ND	ND		ND	ND	ND		ND		ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	ND	ND		ND	ND	ND				ND	ND	ND	ND
	Acetone	NT	NT	NT	1.67		ND	ND	ND	ND				ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	1.67 ND	ND		ND	ND	ND		ND		ND	ND	ND	ND
	Benzene	ND		ND	1.72	0.82	2.04		2.4		ND	3.49			2.26		
	Bromochloromethane	ND	ND I.I	ND	NT 1.72	0.62 ND	2.04 ND	ND	Z.4 ND	ND		3.49 ND		NT 1.76	ND 2.20	ND 1.69	ND 2.43
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND		ND	ND	ND				ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	0.22		ND	ND	ND				ND	ND	ND	ND
	Carbon disulfide	NT	NT	NT	ND	0.22 ND	ND		ND	ND		ND		ND	ND	ND	ND
OB1	Carbon Tetrachloride	ND	ND	ND	ND	ND		2.3 ND	ND	ND		ND		ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	0.32	0.98		ND		ND	3.16					
0	Chloroethane	ND	ND	ND	ND	0.32	0.68		ND	ND 1.2		ND 3.10		ND	ND 2.77	ND 2.23	ND 3.40
	Chloroform	ND	ND	ND	ND	0.24 ND	ND 0.00	ND	ND	ND				ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND		ND	ND		ND		ND	ND	ND	ND
	cis-1,2-Dichloroethene	20.83			17.9		24.00		ND	24						30.8	
	cis-1,3-Dichloropropene	ND	ND 0.70	ND	ND	ND II.3	ND	ND 3.0	ND	ND 24				ND 23	ND 30.7	ND 30.8	ND 40.1
	Dibromochloromethane	ND	ND	ND	ND	ND		ND	ND	ND		ND		ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND		ND	ND	ND				ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND		ND	ND	ND				ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND		ND	ND	ND				ND	ND	ND	ND
	Methyl Iodide	NT	NT	NT	ND	ND		ND	ND	ND		ND		ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND		ND	ND	ND		ND		ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND		NT	NT	NT				ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT		ND		ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	1.03	2.86	1.95		2.3		ND	3.43		1.75			
	Toluene	ND	ND	ND	ND 1.00	ND 2.00	ND 1.00	ND	ND 2.3	ND 1.0				ND 1.75	ND 1.00	ND 1.20	ND
	trans-1,2-Dichloroethene	1.12			2.39					ND	ND	5.16				-	
	trans-1,3-Dichloropropene	ND	ND	ND	ND 2.00			ND	ND 0.0	ND				ND 2.01	ND 0.11	ND 2.01	ND 0.00
	trans-1,4-Dichloro-2-buten	NT	NT	NT	ND	ND		ND	ND	ND				ND	ND	ND	ND
	Trichloroethene	1.31			13.3	5.27	13.40		11			25.4	17.9		13.1		
	Trichlorofluoromethane	ND	ND	ND				ND	ND	ND				ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	ND		ND	ND	ND	÷			ND	ND	ND	ND
	Vinyl Chloride	2.15			6.07		11.70		17		12.5			15.2	19.2		
			-														NT 23.3
İ	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND	ND			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1.1.1-Trichloroethane	ND	ND			ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND			ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1.1-Dichloroethane	ND	ND			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND			ND		ND			ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND			ND		ND	ND		ND	NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1.2-Dibromoethane	ND	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND			ND		ND	ND		ND	ND	ND	NT	ND	ND	ND
	1,2-Dichloroethane	ND	ND			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	1.81	_		ND	1.6			ND		ND	ND	1.14		1.55		
	2-Butanone	NT 1.01	NT I.43			ND 1.0		ND	ND		ND	ND	ND 1.14	ND	ND 1.55	ND 1.3	ND 1.02
	2-Hexanone	NT	NT	NT		ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT			ND		ND	ND		ND	ND		ND	ND	ND	ND
	Acetone	NT	NT			ND	0.53				ND	ND		ND	ND		ND
	Acrylonitrile	NT	NT			ND		ND	ND		ND	ND	ND	ND	ND	ND 0	ND
	Benzene	ND	ND			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND			ND		ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Bromodichloromethane	ND	ND			ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND			ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
~	Bromomethane	ND	ND		ND	0.25		ND	ND		ND	ND	ND	ND	ND	ND	ND
02	Carbon disulfide	NT	NT			ND 0.20		ND			ND	ND	ND	ND	ND	ND	ND
7	Carbon Tetrachloride	ND	ND			ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
OB102	Chlorobenzene	1.65		3.43		1.7			ND		ND	ND	2.14				
0	Chloroethane	ND	ND		ND	0.05		ND	ND	ND	ND	ND	ND	ND	ND	ND 2.00	ND
	Chloroform	ND	ND		ND	ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.75	5 1.46		1.38				ND	ND	ND	ND	1.26		ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND			ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	NT			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND		ND	0.47	ND	ND	ND	ND	ND						
	ortho-Xylene	ND	ND		ND	ND		NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND			ND		NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND			ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND		ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND				ND	ND			ND	ND		ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NT	NT								ND	ND		ND	ND	ND	ND
	Trichloroethene	ND	ND					ND			ND	ND		ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND						ND		ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT					ND	ND	ND	ND	ND		ND	ND	ND	ND
	Vinyl Chloride	ND	ND								ND	ND		ND	ND	ND	ND
	Xylene (Total)	NT	NT								NT	NT		NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
LUCAUUII	1,1,1,2-Tetrachloroethane	2008-3 ND	2006-F ND			2010-3 ND	2010-F	2011-3 ND	ND	2012-3 ND	2012-F	2013-3 ND		2014-3 ND	2014-F	2015-3 ND	2015-F
	1,1,1,1-Trichloroethane	ND	ND	ND			ND	ND				ND ND					
		ND	ND		ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND ND	ND			ND	ND		ND	ND	ND	ND		ND	ND	ND	ND
	1,1,2-Trichloroethane					ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	1,1-Dichloroethane	8.14	12.72	10.97	22.7	10.6	39.20	=•	ND	21			15.1	21.4	21	-	
	1,1-Dichloroethene	ND	ND	ND		ND	0.54		ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND		ND	ND	ND	ND	ND	ND	NT		ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND			ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND		ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND			ND	ND	ND	ND	ND	ND			NT	ND	ND	ND
	1,2-Dichloroethane	ND	1.08		ND	0.63	1.17		ND	ND	ND	1.07		1.07	1.55		
	1,2-Dichloropropane	3.75	5.61	3.62	5.55	2.93	6.29		ND	5.8		6.48	8.07	7.09	8.23	7.65	
	1,4-Dichlorobenzene	ND	2.82		4.18		4.51		ND	5.4	-		4.3	7.28	8.46		
	2-Butanone	NT		NT		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	2-Hexanone	NT				ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	4-Methyl-2-Pentanone					ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Acetone				ND	0.59			ND	ND	ND			ND	ND	ND	ND
	Acrylonitrile	NT	NT			ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Benzene	1.89			2.63	1.89			ND		ND	3.61	3.27	3.82	3.95		
	Bromochloromethane	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		NT	ND	ND	ND
	Bromodichloromethane	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Bromoform	ND	ND			ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
2	Bromomethane	ND	ND			ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
7	Carbon disulfide	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Ш	Carbon Tetrachloride	ND	ND			ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
OB1	Chlorobenzene	ND	ND	ND	1.21	0.92	1.46		ND		ND	2.27	1.23	2.69	2.82		
	Chloroethane	ND	2.5		1.39	0.87	1.64		ND	ND	ND	ND		ND	ND	ND	ND
	Chloroform	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Chloromethane	ND	ND		ND	ND	ND		ND	ND	ND	ND		ND	ND	ND	ND
	cis-1,2-Dichloroethene	25.54	26.92	26.86	21.4	12.4	26.20		ND	23			30.6	24.9	31.3		
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND				ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Dibromomethane	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Dichloromethane	9.35	6.24	4.91	8.27	11.3	8.19		ND	ND	5.01			6.3	4.44		
	Ethylbenzene	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Methyl Iodide	NT				ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND			ND	0.85		ND	ND	ND	ND		ND	ND	ND	ND
	ortho-Xylene	ND		ND	ND	ND	ND	NT	NT	NT	ND	ND		ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND			ND		NT	NT	NT	ND	ND		ND	ND	ND	ND
	Styrene	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Tetrachloroethene	16.57	21.49	7.95	15.4	20	17.10	12	1.8		26.5		14.4	20.8	18.5	15.6	-
	Toluene	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	trans-1,2-Dichloroethene	1.42	-	-		1.62			ND		ND	2.55			2.91	2.5	
	trans-1,3-Dichloropropene							ND	ND	ND	ND			ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NT				ND			ND	ND	ND	ND		ND	ND	ND	ND
	Trichloroethene	12.65	18.35	6.22	18.1	11.6	20.30		ND	17			16		18.3	15	
	Trichlorofluoromethane	1.91			2.42	1.8		-	ND		ND	2.17					
	Vinyl Acetate				NT	0.01			ND	ND	ND	ND		ND	ND	ND	ND
	Vinyl Chloride	6.72	3.97	6.99	6.3	7.32	6.22		ND		ND	6.64	2.95	5.7	5.66		
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND				ND					ND	ND	ND	ND	ND	ND	ND
	1.1.1-Trichloroethane	ND		ND				ND			ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND				ND							ND	ND	ND	ND	ND
	1.1.2-Trichloroethane	ND	ND			ND						ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND				ND						ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND				ND					ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND						NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND				ND	ND				ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	1.46	ND	3.38	0.72	3.32	ND	ND	3.9	4.51	7.03	ND	3.66	4.22	1.78	2.37
	2-Butanone	NT	NT	NT	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT		NT	ND	0.23		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT				ND		ND					ND	ND	ND	ND	ND
	Acetone	NT	NT	NT	1.27	ND	31.10	ND					ND	ND	ND	ND	ND
	Acrylonitrile	NT				ND							ND	ND	ND	ND	ND
	Benzene	ND				ND	0.90					ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND						ND					ND	NT	ND	ND	ND
	Bromodichloromethane	ND				ND							ND	ND	ND	ND	ND
	Bromoform	ND				· ·							ND	ND	ND	ND	ND
S	Bromomethane	ND				• • =		ND					ND	ND	ND	ND	ND
<u> </u>	Carbon disulfide	NT		NT		ND							ND	ND	ND	ND	ND
OB105	Carbon Tetrachloride	ND				ND							ND	ND	ND	ND	ND
	Chlorobenzene	ND		ND		ND	0.55				ND	1.24		ND	ND	ND	ND
	Chloroethane	ND		ND		ND	0.89					ND	ND	ND	ND	ND	ND
	Chloroform	ND						ND				ND	ND	ND	ND	ND	ND
	Chloromethane	ND										ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	7.14		11.1	0.97		ND	ND	14				11.4			1
	cis-1,3-Dichloropropene	ND ND		ND ND		· ·		ND ND			ND	ND	ND	ND	ND	ND	ND ND
	Dibromochloromethane Dibromomethane	ND				ND ND		ND				ND	ND	ND	ND ND	ND	ND ND
	Dichloromethane	ND				ND	0.77					ND ND	ND ND	ND ND	ND	ND ND	ND
	Ethylbenzene	ND				ND		ND				ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT				ND							ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND										ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND						NT			ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND				ND							ND	ND	ND	ND	ND
	Styrene	ND											ND	ND	ND	ND	ND
	Tetrachloroethene	ND		ND				ND			ND		ND	ND	ND	ND	ND
	Toluene	ND				ND		ND					ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND										ND	ND	ND	ND		ND
	trans-1,3-Dichloropropene	ND												ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NT											ND	ND	ND	ND	ND
	Trichloroethene	ND		ND	1.25		1.38		2.1	1.4		2.96		1.47			ND
	Trichlorofluoromethane	ND											ND	ND I.47	ND 1.40	ND	ND
	Vinyl Acetate	NT											ND	ND	ND	ND	ND
	Vinyl Chloride	ND		ND	1.51		3.03				ND	1.66		ND	ND		ND
1 1																	

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	ľ	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Location	1,1,1,2-Tetrachloroethane	2000-3 ND	2000-1 ND	2003-3 ND	2003-1 ND	2010-3 ND		ND	ND	ND	_	ND	2013-3 ND		ND	ND	2013-3 ND	ND
	1,1,1-Trichloroethane	ND	ND			ND		ND	ND	ND			ND		ND			
	1,1,2,2-Tetrachloroethane	ND	ND			ND		ND	-							ND	ND	ND
		ND	1.52					ND	ND	ND			ND		ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND			ND	ND	_		ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	11.14	23		33.4	20.4	15.10		ND		21	22.4	22.1	21.2	21.6		18.8	
	1,1-Dichloroethene	ND	ND	0.89		0.45	0.93	25		ND			ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND		ND	ND	ND		ND	NT		ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND		ND		ND	ND	ND			ND		ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND			ND		ND	ND	ND			ND		ND	ND	ND	ND
	1,2-Dichlorobenzene	1.03	1.55		NT	1.75	1.51		ND			ND	2.69	1.41		3		
	1,2-Dichloroethane	3.16	3.68	4.66	4.72		3.94		ND	ND		ND	3.66	3.57	3.64	3.78		
	1,2-Dichloropropane	4.67	6.31	8.28	8.15	4.9	6.10	5.1	7.2	-	<b>5.3</b>		6.13	6.5	6.26	6.11	5.57	
	1,4-Dichlorobenzene	2.46			14.6	9.13	9.85		ND		17	14.8	14.9	13.7	16.9	17.5		
	2-Butanone	NT	NT		ND	ND	0.95		ND	ND	_		ND		ND	ND	ND	ND
	2-Hexanone	NT	NT	NT	ND	ND		ND	ND	ND			ND		ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT			ND		ND	ND	ND			ND		ND	ND	ND	ND
	Acetone	NT	NT			ND	24.60		ND	ND			ND		ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT		ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND
	Benzene	2.04	6.16	9.56	9.37	4.32	8.29	5.2	12			ND	6.02	6.17	5.72	4.88		
	Bromochloromethane	ND	ND			ND		ND	ND	ND			ND		NT	ND	ND	ND
	Bromodichloromethane	ND	ND		ND	ND		ND	ND	ND			ND		ND	ND	ND	ND
	Bromoform	ND	ND			ND		ND	ND	ND	_		ND		ND	ND	ND	ND
~	Bromomethane	ND	ND					ND	ND	ND			ND	ND	ND	ND	ND	ND
Ť	Carbon disulfide	NT	NT	NT		ND		ND	ND	ND			ND		ND	ND	ND	ND
Ш	Carbon Tetrachloride	ND	ND			ND		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
OB1	Chlorobenzene	11.69		52.75	50		34.30		ND		41	34.5	34.6	31	33.4	32.2		
	Chloroethane	ND	ND	ND	ND	ND	0.57		-	ND			ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND			ND		ND	ND	ND			ND		ND	ND	ND	ND
	Chloromethane	ND	ND		ND		ND		ND	ND	_		ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	92.93	137.27	190.55	184	123	73.60		ND	-	60	94.8	64.16	135.88	131	90.5	103.4	-
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND		ND	ND	ND	_		ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND		ND	ND		ND	ND	ND		ND	ND		ND	ND	ND	ND
	Dibromomethane	ND	ND			ND		ND	ND	ND	_	ND	ND		ND	ND	ND	ND
	Dichloromethane	9.24	19.47	28.72	30.6	7.21	24.20	16			12	13	12.3	12	10.6	9.6		-
	Ethylbenzene Mathul Iadida	ND	ND	ND		ND		ND	ND	ND			ND		ND	ND	ND	ND
	Methyl Iodide	NT	NT	NT		ND		ND	ND	ND			ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether		ND	6.41	2.67		1.65		ND		2.6		ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND		ND		NT	NT	NT			ND		ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND			ND		NT	NT	NT			ND	ND	ND	ND	ND	ND
	Styrene	ND	ND			ND		ND	ND	ND	_		ND	ND	ND	ND	ND	ND
	Tetrachloroethene	32.4	52.48	67.92	43.9	35.6	19.60	26			47	40.1	36.9	32.2	32.3	27.1	24	
	Toluene	ND		ND	ND	ND		ND	ND	ND			ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	2.88									I.6 I		4.31		4.41	4	0.00	
	trans-1,3-Dichloropropene								ND	ND					ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NT							ND	ND	_		ND		ND	ND	ND	ND
	Trichloroethene	28.56	42.66	53.74	51.5	31.2	33.90	28			39	34.2	32.6	34.6	29.6	27.6	25.5	
	Trichlorofluoromethane	1.93				1.61	3.78		ND		3.3 1		2.47		2.33			
	Vinyl Acetate				NT	0.25			ND	ND	_		ND		ND	ND	ND	ND
	Vinyl Chloride	4.49			20.3	7.43	20.90		ND		13	14.1	13.9	14	14.6	15.7	15.4	
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND		NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Location																-	
	1,1,1,2-Tetrachloroethane	ND	ND		ND	ND	ND	ND									
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND		ND	ND		ND						
	1,1,2,2-Tetrachloroethane	ND	ND			ND		ND	ND		ND	ND		ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND		ND	ND		ND	ND		ND						
	1,1-Dichloroethane	28.9		23.08		16.8			ND	15		15.2	16.4	13.1	15.3	15.9	
	1,1-Dichloroethene	ND	ND	ND	ND	ND	1.07		ND		ND						
	1,2,3-Trichloropropane	ND	ND		ND	ND	ND	ND	ND		ND	NT		ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND			ND		ND	ND		ND						
	1,2-Dibromoethane	ND	ND		ND	ND	ND		ND		ND	ND		ND	ND	ND	ND
	1,2-Dichlorobenzene	2.45	2.05		NT	1.67	1.10		ND	2.1		1.87	2.05		2.21	2.19	
	1,2-Dichloroethane	5.34	4.48		ND	2.7	1.88		ND		ND	2.48	3.56	2.09	2.41	2.5	
	1,2-Dichloropropane	7.85	7.26	6.44	7.2	4.18			ND	4.6	ND	4.08	3.75	3.9	4.39	4.48	
	1,4-Dichlorobenzene	11.24	12.3	ND	15.2	13.4	9.32	ND	ND	15	13.7	13.8	15	13.5	16.3	15.2	12.2
	2-Butanone	NT	NT	NT	ND												
	2-Hexanone	NT	NT		ND	ND	ND	ND									
	4-Methyl-2-Pentanone	NT	NT	NT	ND	ND		ND									
	Acetone	NT	NT	NT	ND	0.12	22.80	ND									
	Acrylonitrile	NT	NT	NT	ND												
	Benzene	7.37	7.13	6.67	7.51	4.19	3.59	3.5	ND	4.3	ND	3.73	4.13	2.94	3.07	2.93	2.47
	Bromochloromethane	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	Bromodichloromethane	ND															
	Bromoform	ND															
<	Bromomethane	ND															
-	Carbon disulfide	NT	NT	NT	ND												
$\sum_{i=1}^{n}$	Carbon Tetrachloride	ND															
ä	Chlorobenzene	42.48	39.6	33.51	36.9	21.3	20.60	29	ND	24	22.3	20.5	21.1	17.6	23	21.4	20.2
0	Chloroethane	ND	ND	ND	ND	0.39	0.89	ND									
	Chloroform	ND															
	Chloromethane	ND	ND	ND	ND	ND	ND	1.4	ND								
	cis-1,2-Dichloroethene	189.43	173.52	148.44	168	113	81.60	76	ND	100	89	78.6	96.5	68.5	74	75.8	74.2
	cis-1,3-Dichloropropene	ND															
	Dibromochloromethane	ND															
	Dibromomethane	ND															
	Dichloromethane	5.59	1.73	2.72	1.77	2.4	5.45	1.8	ND	5.9	ND	ND	1.11	ND	ND	ND	ND
	Ethylbenzene	ND															
	Methyl Iodide	NT	NT	NT		ND											
	Methyl Tertiary Butyl Ether	4.33	ND	5.76	2.49	ND	2.00	3.8	ND								
	ortho-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND						
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND						
	Styrene	ND															
	Tetrachloroethene	54.18	53.26	44.75	33.8	26.3	10.70	14	ND	27	22.8	19.1	19.7	12.8	13.2	10.3	6.78
	Toluene	ND		ND													
	trans-1,2-Dichloroethene	9.82	10.82	5.07	5.45	3.07	3.18	ND	ND	3.1	ND	3.02	3.91	2.68	3.14	2.94	2.93
		ND	ND	ND			ND		ND			ND		ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NT				ND			ND			ND		ND	ND	ND	ND
	Trichloroethene	50.9	45.34	39.05	42.4	26.1	21.60		ND	28	24.7	24	28.8	20.1	22		
	Trichlorofluoromethane	2.9		2.09		1.26			ND			ND		ND	ND	ND	ND
	Vinyl Acetate	NT			NT	0.27			ND		ND	ND		ND	ND	ND	ND
	Vinyl Chloride	13.71	12.75		15.4	10.2	31.60		ND	12	13.1	12.9	14.9	11.1	15		
	Xylene (Total)					-			ND					NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Loodion	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1.1.1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	1.13		1.11		ND	ND		ND	2.16		1.04		ND
	1,1-Dichloroethene	ND	ND	ND	ND 1.13	ND 0.03	ND	ND	ND	ND		ND	ND 2.10	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND		NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND		ND	ND	ND		ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	NT	ND	ND	ND	ND	ND		ND		NT	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	0.23		ND	ND	ND		ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	3.16		3.80		ND	3.7	3.3		6.84		3.36		1.15
	2-Butanone	NT	NT	NT	ND 3.10	0.45			ND	ND 3.7	ND 3.5	ND	ND 0.04	ND	ND 3.30	ND	ND
	2-Hexanone	NT	NT	NT	ND	0.40 ND	ND 0.07	ND	ND	ND		ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Acetone	NT	NT	NT	ND	0.82		ND	ND	ND		ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	ND	0.02 ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	2.11		ND	ND	ND	ND	1.43		ND	ND	ND
	Bromochloromethane	ND	ND	ND	NT	ND	ND	ND	ND	ND		ND	ND 1.40	NT	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
5	Carbon disulfide	NT	NT	NT	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
32	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
<b>OB25</b>	Chlorobenzene	ND	1.07		1.93		4.50		ND	ND		ND	7.75		3.13		2.15
0	Chloroethane	ND	ND	ND	ND	0.17	0.69		ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	4.38	6.23	4.12	7.5		6.82	ND	ND	4.9			19.5		7.38		7.14
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	NT	NT	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	NT	NT	NT		ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	0.86	ND	ND	3.8	ND	1.4	3.92	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	1.21	ND	ND	1.66	0.81	2.24	ND	ND			ND		ND	ND	ND	2.07
	Trichlorofluoromethane	ND	ND	ND		ND		ND	ND	ND		ND		ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	ND	ND	ND	ND	ND		ND		ND	ND	ND	ND
	Vinyl Chloride	ND	4.29	ND	2.61	0.38	4.04	ND	ND	ND		ND	3.47		2.21	ND	2.78
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND		NT		NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Loodalon	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND	ND
	1,1,1-Trichloroethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND			ND		ND	ND	ND	ND	ND		ND		ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	1,1-Dichloroethane	4.2	4.03	4.04	4.62	1.08	12.00	2.3		3.1		1.56			1.59		1
	1,1-Dichloroethene	ND T.2	ND 4.00	ND	4.02 ND	ND 1.08	ND	2.3 ND	ND	ND 3.1	ND	ND 1.50		ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND		ND	ND		ND	ND	ND	NT		ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND		ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND			ND	ND	ND	ND	ND	ND	ND		NT		ND	ND
	1,2-Dichloroethane	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	1.4-Dichlorobenzene	ND	ND	ND	ND	0.28		ND	ND	ND	ND	ND		ND	ND	ND	ND
	2-Butanone	NT	NT		ND	0.20 ND			ND	ND	ND	ND		ND	ND	ND	ND
	2-Hexanone	NT	NT	NT		ND		ND	ND	ND	ND	ND		ND		ND	ND
	4-Methyl-2-Pentanone	NT		NT	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND	ND
	Acetone	NT	NT	NT	ND	0.61			ND	ND	ND	ND		ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT		0.01 ND	ND		ND	ND	ND	ND		ND	ND	ND	ND
	Benzene	ND	ND	ND		ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Bromochloromethane	ND	ND			ND	ND	ND	ND	ND	ND	ND		NT	ND	ND	ND
	Bromodichloromethane	ND	ND			ND	ND	ND	ND	ND	ND	ND		ND		ND	ND
	Bromoform	ND	ND			ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Bromomethane	ND	ND					ND	ND	ND	ND	ND		ND		ND	ND
5	Carbon disulfide	NT	NT	NT		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
OB1	Carbon Tetrachloride	ND	ND			ND			ND	ND	ND	ND		ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND			ND	3.6		ND		ND	ND	ND	ND
0	Chloroethane	ND	ND	ND	ND	0.05	0.98		ND	ND 0.0	ND	ND		ND	ND	ND	ND
	Chloroform	ND	ND		ND	ND 0.00	ND		ND	ND	ND	ND		ND		ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.1	1.51	1.17	1.51	1.18	1.02		ND	ND	ND	ND		ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Dibromochloromethane	ND		ND		ND			ND	ND	ND	ND		ND	ND	ND	ND
	Dibromomethane	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Dichloromethane	ND	ND			ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	Ethylbenzene	ND	ND			ND	ND	ND	ND	ND	ND	ND		ND		ND	ND
	Methyl Iodide	Nt	NT			ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND		ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND			NT	NT	ND	ND		ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND			ND			NT	NT	ND	ND		ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	0.48	0.54	ND	ND		ND	ND		ND	ND	ND	ND
	Toluene	ND	ND		ND	ND	ND			ND	ND	ND		ND	ND		ND
	trans-1,2-Dichloroethene	ND	ND		ND	0.39	ND					ND		ND			ND
	trans-1,3-Dichloropropene	ND	ND						ND	ND	ND	ND		ND			ND
	trans-1,4-Dichloro-2-buten	NT	NT		ND	ND	ND		ND	ND	ND	ND		ND			ND
	Trichloroethene	ND	ND		ND	2.31	1.23			2.2		1.18					ND
	Trichlorofluoromethane	ND	ND						ND	ND	ND	ND		ND			ND
	Vinyl Acetate	NT			NT	0.01			ND	ND	ND	ND		ND		ND	ND
	Vinyl Chloride	6.29	9.17	2.78	3.92	3.55	10.20		ND		ND	ND	1.87				ND
	Xylene (Total)	NT	NT				NT			ND		NT		NT			NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND	NS	ND	NS												
	1.1.1-Trichloroethane	ND	NS	ND	NS												
	1,1,2,2-Tetrachloroethane	ND	NS	ND	ND	ND		ND	NS								
	1,1,2-Trichloroethane	ND	NS	ND	ND	ND		ND	NS								
	1.1-Dichloroethane	ND	NS	ND	ND	ND		ND	ND	ND	3.65		ND	ND	ND	ND	NS
	1.1-Dichloroethene	ND	NS	ND	ND	ND		ND	NS								
	1,2,3-Trichloropropane	ND	NS	ND	ND	ND		ND	ND	ND	ND	NT	ND	ND	ND	ND	NS
	1,2-Dibromo-3-chloropropan	ND	NS	ND	NS												
	1,2-Dibromoethane	ND	NS	ND	NS												
	1,2-Dichlorobenzene	ND	NS	ND	NT	ND		ND	ND	ND	ND	ND	ND	NT	ND	ND	NS
	1,2-Dichloroethane	ND	NS	ND	NS												
	1,2-Dichloropropane	ND	NS	ND	NS												
	1,4-Dichlorobenzene	ND	NS	ND	ND	0.27	ND	NS									
	2-Butanone	NT	NS	NT	ND	ND	0.56		ND	NS							
	2-Hexanone	NT	NS	NT	ND	NS											
	4-Methyl-2-Pentanone	NT	NS	NT	ND		ND	NS									
	Acetone	NT	NS	NT	ND	0.27	ND	NS									
	Acrylonitrile	NT	NS	NT	ND	ND		ND	NS								
	Benzene	ND	NS	ND	NS												
	Bromochloromethane	ND	NS	ND	NT	ND	NT	ND	ND	NS							
	Bromodichloromethane	ND	NS	ND	NS												
	Bromoform	ND	NS	ND	NS												
2	Bromomethane	ND	NS	ND	NS												
Ť	Carbon disulfide	NT	NS	NT	ND	NS											
0.	Carbon Tetrachloride	ND	NS	ND	NS												
ST01	Chlorobenzene	ND	NS	ND	NS												
0)	Chloroethane	ND	NS	ND	NS												
	Chloroform	ND	NS	ND	NS												
	Chloromethane	ND	NS	ND	ND	ND		ND	NS								
	cis-1,2-Dichloroethene	ND	NS	ND	ND	0.78		ND	NS								
	cis-1,3-Dichloropropene	ND	NS	ND	NS												
	Dibromochloromethane	ND	NS	ND	ND	ND		ND	NS								
	Dibromomethane	ND	NS	ND	ND	ND		ND	NS								
	Dichloromethane	ND	NS	ND	ND	ND		ND	NS								
	Ethylbenzene	ND	NS	ND	ND	ND		ND	NS								
	Methyl Iodide	NT	NS	NT	ND	ND		ND	NS								
	Methyl Tertiary Butyl Ether	ND	NS	ND	ND	ND		ND	NS								
	ortho-Xylene	ND	NS	ND	ND	ND		NT	NT	NT	ND	ND	ND	ND	ND	ND	NS
	para-Xylene & meta-Xylene	ND	NS	ND	ND	ND		NT	NT	NT	ND	ND	ND	ND	ND	ND	NS
	Styrene	ND	NS		ND	ND		ND	NS								
	Tetrachloroethene	ND	NS	ND	ND	ND		ND	NS								
	Toluene	ND	NS	ND	ND	ND		ND	NS								
	trans-1,2-Dichloroethene	ND	NS		ND	ND		ND		ND	NS						
	trans-1,3-Dichloropropene	ND	NS		ND			ND	NS								
	trans-1,4-Dichloro-2-buten	NT	NS	NT	ND	ND		ND	NS								
	Trichloroethene		NS		ND	1.38		ND	ND	ND	ND		ND	ND	ND	ND	NS
	Trichlorofluoromethane	ND	NS		ND	ND		ND	NS								
	Vinyl Acetate	NT	NS		NT	ND		ND	NS								
	Vinyl Chloride	ND	NS		ND	ND		ND	NS								
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NS

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND															
	1,1,1-Trichloroethane	ND															
	1,1,2,2-Tetrachloroethane	ND															
	1,1,2-Trichloroethane	ND															
	1,1-Dichloroethane	ND															
	1,1-Dichloroethene	ND	ND	ND	ND	ND		ND									
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND		ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND															
	1,2-Dibromoethane	ND															
	1,2-Dichlorobenzene	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	1,2-Dichloroethane	ND															
	1,2-Dichloropropane	ND															
	1,4-Dichlorobenzene	ND	ND	ND	ND	0.22	ND										
	2-Butanone	NT	NT	NT	ND												
	2-Hexanone	NT	NT	NT	ND												
	4-Methyl-2-Pentanone	NT	NT	NT	ND	0.21	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
	Acetone	NT	NT	NT	ND		ND	ND	ND	ND							
	Acrylonitrile	NT	NT	NT	ND												
	Benzene	ND															
	Bromochloromethane	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	Bromodichloromethane	ND															
	Bromoform	ND															
C	Bromomethane	ND															
ST120	Carbon disulfide	NT	NT	NT	ND	ND	ND	1.8	ND								
<u> </u>	Carbon Tetrachloride	ND															
E C	Chlorobenzene	ND															
0)	Chloroethane	ND															
	Chloroform	ND															
	Chloromethane	ND	ND	ND	ND	ND	0.87	4.9	ND								
	cis-1,2-Dichloroethene	1.22	ND	1.15	1.54	0.57	1.26	ND	ND	ND	ND	1.3	2.26	ND	1.33	ND	1.13
	cis-1,3-Dichloropropene	ND															
	Dibromochloromethane	ND	ND	ND	ND	ND		ND									
	Dibromomethane	ND															
	Dichloromethane	ND	ND	ND	ND	ND		ND									
	Ethylbenzene	ND	ND	ND	ND	ND		ND									
	Methyl Iodide	NT	NT	NT	ND												
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND		ND									
	ortho-Xylene	ND	ND	ND	ND	ND		NT	NT	NT	ND						
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	-	NT	NT	NT	ND						
	Styrene	ND															
	Tetrachloroethene	ND	ND	ND	ND	ND	1.10		ND								
	Toluene	ND	ND		ND	ND		ND	ND	ND	ND	ND		ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND		ND	ND				ND	ND	ND		ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND		ND			ND	ND	ND	ND	ND		ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NT	NT		ND	ND			ND	ND	ND	ND		ND	ND	ND	ND
	Trichloroethene	ND	ND		ND	0.27	0.90		ND	ND	ND	ND	1.01		ND	ND	ND
	Trichlorofluoromethane	ND	ND		ND				ND								
	Vinyl Acetate	NT	NT		NT			ND	ND	ND	ND	ND		ND	ND	ND	ND
	Vinyl Chloride	ND	ND		ND				ND	ND	ND	ND		ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	NS								
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	NS								
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	NS								
	1,1-Dichloroethane	ND	ND	1.13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	NS								
	1,2,3-Trichloropropane	ND	ND	NT	ND	ND	ND	ND	NS								
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	NS								
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	NS								
	1,2-Dichlorobenzene	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	NS
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	NS								
	1,2-Dichloropropane	ND	ND	1.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	1,4-Dichlorobenzene	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	2-Butanone	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	2-Hexanone	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	4-Methyl-2-Pentanone	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	Acetone	NT	NT	NT	1.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.15	NS
	Acrylonitrile	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	Benzene	ND	ND	ND	ND	ND	ND	ND	NS								
	Bromochloromethane	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	NS
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	NS								
	Bromoform	ND	ND	ND	ND	ND	ND	ND	NS								
	Bromomethane	ND	ND	ND	ND	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
35	Carbon disulfide	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Ĩ	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	NS
ST65	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	NS								
-	Chloroethane	ND	ND	ND	ND	ND	ND	ND	NS								
	Chloroform	ND	ND	ND	ND	ND	ND	ND	NS								
	Chloromethane	ND	ND	ND	ND	ND	0.81		ND	ND	ND	ND	ND	ND	ND	ND	NS
	cis-1,2-Dichloroethene	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	NS								
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	NS								
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	NS								
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	NS								
	Ethylbenzene Methyl Iadide	ND	ND	ND	ND	ND	ND	ND	NS								
	Methyl Iodide	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	NS								
	ortho-Xylene	ND	ND	ND	ND	ND		NT	NT	NT	ND	ND	ND	ND	ND	ND	NS
	para-Xylene & meta-Xylene	ND ND	ND ND	ND ND	ND	ND	ND ND		NT	NT	ND	ND	ND	ND	ND	ND	NS
	Styrene	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NS NS
	Tetrachloroethene Toluene	ND	ND ND		ND ND	ND ND	ND ND	ND ND	ND ND		ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NS NS
	trans-1,2-Dichloroethene	ND	ND	ND		ND			ND	1.6 ND		ND	ND	ND	ND	ND	NS NS
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	NS NS
	trans-1,4-Dichloro-2-buten	NT	NT	NT	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	NS
	Trichloroethene	ND	ND	7.13		ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	NS
	Trichlorofluoromethane	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	NS
	Vinyl Acetate	NT	NT		NT	ND			ND	ND	ND	ND	ND	ND	ND	ND	NS
	Vinyl Chloride	ND	ND	1.29		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	Xylene (Total)	NT	NT		ND	NT			ND	3.6		NT	ND	NT	ND	NT	NS
										5.0							1.10

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Loodion	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND					ND						
	1,1,1-Trichloroethane	ND	ND		ND	ND		ND			ND						
	1,1,2,2-Tetrachloroethane	ND	ND		ND	ND					ND						
	1,1,2-Trichloroethane	ND	ND		ND	ND					ND						
	1,1-Dichloroethane	ND	ND		ND	ND		ND			ND						
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND			ND						
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND					ND	NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND		ND	ND	ND				ND						
	1,2-Dibromoethane	ND	ND		ND	ND			ND		ND						
	1,2-Dichlorobenzene	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	1,2-Dichloroethane	ND	ND		ND	ND	ND	ND			ND						
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND			ND						
	1,4-Dichlorobenzene	ND	ND	ND	ND	0.19	ND	ND			ND						
	2-Butanone	NT	NT	NT	ND	ND		ND			ND						
	2-Hexanone	NT	NT	NT	ND	ND	ND	ND			ND						
	4-Methyl-2-Pentanone	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	ND	ND					ND						
	Benzene	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND		NT	ND			ND	ND	ND	ND	ND	NT	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND		ND	ND					ND						
	Bromomethane	ND	ND		ND	0.28					ND						
2	Carbon disulfide	NT	NT		ND	ND		ND			ND						
	Carbon Tetrachloride	ND	ND		ND	ND					ND						
ST70	Chlorobenzene	ND	ND		ND	ND					ND						
	Chloroethane	ND	ND		ND	ND		ND			ND						
	Chloroform	ND	ND		ND	ND					ND						
	Chloromethane	ND	ND	ND	ND	ND					ND						
	cis-1,2-Dichloroethene	1.04			ND	ND		ND			ND						
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND					ND						
	Dibromochloromethane	ND	ND		ND	ND					ND						
	Dibromomethane	ND	ND		ND	ND					ND						
	Dichloromethane	ND	ND		ND	ND					ND						
	Ethylbenzene Methyl ledide	ND	ND		ND	ND		ND			ND						
	Methyl Iodide	NT	NT	NT 7.07	ND	ND	ND				ND						
	Methyl Tertiary Butyl Ether	3.82 ND	ND ND	7.27	1.19		1.04				ND						
	ortho-Xylene para-Xylene & meta-Xylene	ND ND	ND ND	ND ND	ND	ND					ND						
	. , ,	ND ND	ND ND		ND	ND		NT ND			ND						
	Styrene Tetrachloroethene	ND	ND		ND ND	ND ND		ND			ND ND						
	Toluene	ND	ND		ND ND	ND					ND ND	ND ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND		ND	ND					ND						
	trans-1,3-Dichloropropene	ND	ND		ND	ND					ND						
	trans-1,4-Dichloro-2-buten	NT	NT		ND	ND					ND						
	Trichloroethene	ND	ND		ND	ND					ND						
	Trichlorofluoromethane	ND	ND		ND	ND					ND						
	Vinyl Acetate	NT	NT		NT	ND					ND						
	Vinyl Chloride	ND	ND		ND						ND						
	Xylene (Total)	NT	NT		NT				ND	2.2		NT	ND	NT	NT	NT	NT
		1								2.2							

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	ND															
	1,1,1-Trichloroethane	ND		ND													
	1,1,2,2-Tetrachloroethane	ND		ND													
	1,1,2-Trichloroethane	ND															
	1,1-Dichloroethane	ND															
	1,1-Dichloroethene	ND	ND	ND	ND	ND		ND	ND		ND						
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND		ND	ND		ND	NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND															
	1,2-Dibromoethane	ND															
	1,2-Dichlorobenzene	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	1,2-Dichloroethane	ND															
	1,2-Dichloropropane	ND															
	1,4-Dichlorobenzene	ND															
	2-Butanone	NT	NT	NT	ND												
	2-Hexanone	NT	NT	NT	ND												
	4-Methyl-2-Pentanone	NT	NT	NT	ND	ND	ND	ND	ND		ND						
	Acetone	NT	NT	NT	ND	0.69	1.49	ND	ND		ND						
	Acrylonitrile	NT	NT	NT	ND	ND		ND	ND		ND						
	Benzene	ND															
	Bromochloromethane	ND	ND	ND	NT	ND	NT	ND	ND	ND							
	Bromodichloromethane	ND															
	Bromoform	ND															
	Bromomethane	ND															
000	Carbon disulfide	NT	NT	NT	ND												
2	Carbon Tetrachloride	ND															
ST80	Chlorobenzene	ND															
•••	Chloroethane	ND															
	Chloroform	ND															
	Chloromethane	ND															
	cis-1,2-Dichloroethene	ND															
	cis-1,3-Dichloropropene	ND															
	Dibromochloromethane	ND	ND	ND	ND	ND		ND									
	Dibromomethane	ND	ND	ND	ND	ND		ND									
	Dichloromethane	ND	ND	ND	ND	ND		ND									
	Ethylbenzene	ND															
	Methyl Iodide	NT	NT	NT	ND	ND		ND									
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND		ND									
	ortho-Xylene	ND	ND	ND	ND	ND		NT	NT	NT	ND						
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND		NT	NT	NT	ND						
	Styrene	ND	ND	ND	ND	ND		ND	ND		ND						
	Tetrachloroethene	ND	ND	ND	ND	ND		ND									
	Toluene	ND	ND		ND	ND		ND	ND		ND						
	trans-1,2-Dichloroethene	ND	ND		ND	ND		ND			ND						
	trans-1,3-Dichloropropene	ND	ND		ND			ND	ND		ND						
	trans-1,4-Dichloro-2-buten	NT	NT	NT	ND			ND	ND		ND						
	Trichloroethene	ND	ND		ND			ND	ND		ND						
	Trichlorofluoromethane	ND	ND		ND			ND	ND		ND						
	Vinyl Acetate	NT	NT		NT			ND									
	Vinyl Chloride	ND	ND		ND			ND	ND		ND						
	Xylene (Total)	NT	NT	NT	NT	NT	NT	ND	ND	1.6	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	2000 0	20001	2003 0	20031	2010 0	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	-					NT	ND	ND		ND	ND	ND	ND	ND	ND	ND
-	1,1,2,2-Tetrachloroethane	4					NT	ND	ND	ND	ND	ND	ND		ND	ND	ND
	1,1,2,2-Trichloroethane	-					NT	ND			ND			ND ND	ND		
		4						ND	ND	ND			ND			ND	ND
	1,1-Dichloroethane	4					NT		ND		ND		ND	ND	ND	ND	ND
	1,1-Dichloroethene	-					NT	ND	ND		ND		ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	-					NT	ND	ND	ND	ND		ND	ND	ND	ND	ND
I F	1,2-Dibromo-3-chloropropan	-				0	NT	ND	ND		ND	ND	ND	ND	ND	ND	ND
ĺ	1,2-Dibromoethane	4				Σ	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ĺ	1,2-Dichlorobenzene	4				20	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
Í	1,2-Dichloroethane	4				N	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	-				_	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	1				2	NT	ND	ND		ND		ND	ND	ND	ND	ND
	2-Butanone						NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone					σ	NT	ND	ND	ND	ND		ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone						NT	ND	ND		ND		ND	ND	ND	ND	ND
	Acetone						NT	ND	ND	ND	ND	ND	ND	ND	ND		) ND
. –	Acrylonitrile					stalle	NT	ND	ND	ND	ND		ND	ND	ND	ND	ND
	Benzene	1				Ľ	NT	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane					i i i i i i i i i i i i i	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
l l'	Bromodichloromethane						NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
l l	Bromoform						NT	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Bromomethane						NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1 1 1	Carbon disulfide					S	NT	ND	ND		ND	ND	ND	ND	ND	ND	ND
ÌÈ	Carbon Tetrachloride						NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW1	Chlorobenzene					<b>U</b>	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane					>	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1	Chloroform	1				Well	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1	Chloromethane	1					NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1	cis-1,2-Dichloroethene	1				D	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	1					NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1 7	Dibromochloromethane	1					NT	ND	ND	ND	ND		ND	ND	ND	ND	ND
7	Dibromomethane					5	NT	ND	ND		ND		ND	ND	ND	ND	ND
1 1	Dichloromethane	1				L L L	NT	ND	ND		ND		ND	ND	ND	ND	ND
1	Ethylbenzene	1				- <b>-</b>	NT	ND	ND	ND	ND		ND	ND	ND	ND	ND
	Methyl Iodide	1					NT	ND	ND		ND	ND	ND	ND	ND	ND	ND
1	Methyl Tertiary Butyl Ether	1				0	NT	ND	ND		ND	ND	ND	ND	ND	ND	ND
-	ortho-Xylene					Monitorin	NT	NT	NT		ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene					2	NT	NT	NT		ND	ND	ND	ND	ND	ND	ND
l H	Styrene						NT	ND	ND	ND	ND		ND	ND	ND	ND	ND
	Tetrachloroethene					5	NT	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Toluene					θ	NT	ND	ND		ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene					7		ND	ND		ND		ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene					2	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten						NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene						NT	ND	ND		ND		ND	ND	ND	ND	ND
																	ND
. –																	ND
	,																ND
	•																NT
	Trichlorofluoromethane Vinyl Acetate Vinyl Chloride Xylene (Total)						NT NT NT NT	ND ND ND ND	ND ND ND ND	ND ND	ND ND ND NT	ND ND	ND ND ND ND	ND ND ND NT	ND ND ND NT		ND ND ND NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Location	1,1,1,2-Tetrachloroethane	2000 0	2000 1	2003 0	20031	2010 0	NT	ND	ND		ND				ND	ND	ND
	1,1,1-Trichloroethane	1					NT	ND	ND		ND				ND	ND	ND
	1,1,2,2-Tetrachloroethane	4					NT	ND	ND		ND				ND	ND	ND
	1,1,2-Trichloroethane	4					NT	ND	ND		ND				ND	ND	ND
	1,1-Dichloroethane	4						ND									ND
	•	4					NT		ND		ND				ND	ND	
	1,1-Dichloroethene	4					NT	ND ND	ND		ND				ND	ND	ND
	1,2,3-Trichloropropane	4					NT	ND	ND		ND				ND	ND	ND
	1,2-Dibromo-3-chloropropan	4				<u> </u>	NT		ND		ND				ND	ND	ND
	1,2-Dibromoethane	4				Ξ	NT	ND	ND		ND				ND	ND	ND
	1,2-Dichlorobenzene	4				20	NT	ND	ND		ND				ND	ND	ND
	1,2-Dichloroethane	4				N	NT	ND	ND		ND				ND	ND	ND
	1,2-Dichloropropane	4				~	NT	ND	ND		ND				ND	ND	ND
	1,4-Dichlorobenzene	4				2	NT	ND	ND		ND				ND	ND	ND
	2-Butanone	4					NT	ND	ND		ND				ND	ND	ND
	2-Hexanone	4				σ	NT	ND	ND		ND				ND	ND	ND
	4-Methyl-2-Pentanone	4					NT	ND	ND		ND				ND	ND	ND
	Acetone	-				stalle	NT	ND	ND		ND	40.8			ND	ND	ND
	Acrylonitrile	4				<b>m</b>	NT	ND	ND		ND				ND	ND	ND
	Benzene	-				Ť	NT	ND	ND		ND				ND	ND	ND
	Bromochloromethane	4				S	NT	ND	ND		ND				ND	ND	ND
	Bromodichloromethane	4					NT	ND	ND		ND				ND	ND	ND
	Bromoform	4					NT	ND	ND		ND				ND	ND	ND
	Bromomethane	4				10	NT	ND	ND		ND				ND	ND	ND
Ñ	Carbon disulfide	4				S	NT	ND	ND		ND				ND	ND	ND
MW2/	Carbon Tetrachloride	4					NT	ND	ND		ND				ND	ND	ND
Ś	Chlorobenzene	4				Ð	NT	ND	ND		ND				ND	ND	ND
	Chloroethane	4				Well	NT	ND	ND		ND				ND	ND	ND
	Chloroform	4					NT	ND	ND		ND				ND	ND	ND
	Chloromethane	4				δ	NT	ND	ND		ND				ND	ND	ND
	cis-1,2-Dichloroethene	4				Ë	NT	ND	ND		ND				ND	ND	ND
	cis-1,3-Dichloropropene	4					NT	ND	ND		ND				ND	ND	ND
	Dibromochloromethane	4					NT	ND	ND		ND				ND	ND	ND
	Dibromomethane	4				0	NT	ND	ND		ND				ND	ND	ND
	Dichloromethane	-				Ť	NT	ND	ND		ND				ND	ND	ND
	Ethylbenzene	-				Monitorin	NT	ND	ND		ND				ND	ND	ND
	Methyl Iodide	-					NT	ND	ND		ND				ND	ND	ND
	Methyl Tertiary Butyl Ether	-				0	NT	ND	ND		ND				ND	ND	ND
	ortho-Xylene	4				5	NT	NT	NT		ND				ND	ND	ND
	para-Xylene & meta-Xylene	-					NT	NT	NT		ND				ND	ND	ND
	Styrene	-				θ	NT	ND	ND		ND				ND	ND	ND
	Tetrachloroethene	-					NT	4	2.5				2.45	3.84	2.02		
	Toluene	-				<u>e</u>	NT	ND	ND		ND				ND	ND	ND
	trans-1,2-Dichloroethene	-				Ζ	NT		ND		ND				ND	ND	ND
	trans-1,3-Dichloropropene	-					NT	ND	ND		ND				ND	ND	ND
	trans-1,4-Dichloro-2-buten	-					NT	ND	ND		ND				ND	ND	ND
	Trichloroethene	1					NT	ND	ND		ND		ND	1.51		ND	ND
	Trichlorofluoromethane	-					NT	ND	ND		ND				ND	ND	ND
	Vinyl Acetate						NT	ND	ND		ND				ND	ND	ND
	Vinyl Chloride						NT	ND	ND		ND				ND	ND	ND
	Xylene (Total)						NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

1,1, 1,1, 1,1, 1,1- 1,1- 1,2- 1,2- 1,2-	Parameter 1,1,2-Tetrachloroethane 1,1-Trichloroethane 1,2,2-Tetrachloroethane 1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethane 2,3-Trichloropropane 2-Dibromo-3-chloropropan 2-Dibromoethane 2-Dichlorobenzene 2-Dichloroethane 2-Dichloroptopane 1-Dichloroptopane 1-Dichloroptopane 1-Dichlorobenzene	2008-S 20	2001	2009-S	2009-F	2010-S	2010-F NT NT NT NT NT NT NT	2011-S ND ND ND ND ND ND	2011-F ND ND ND ND ND	ND ND ND ND	2012-F ND ND ND ND	ND ND	ND ND ND	ND ND	2014-F ND ND ND ND	2015-S ND ND ND ND	2015-F ND ND ND
1,1, 1,1, 1,1, 1,1- 1,1- 1,2- 1,2- 1,2-	,1-Trichloroethane         ,2,2-Tetrachloroethane         ,2-Trichloroethane         -Dichloroethane         -Dichloroethane         2,3-Trichloropropane         2,3-Trichloropropane         2-Dibromo-3-chloropropan         2-Dibromoethane         2-Dibromoethane         2-Dibromoethane         2-Dibromoethane         2-Dichlorobenzene         2-Dichloropropane         2-Dichloropthane         2-Dichloropthane					0	NT NT NT NT NT	ND ND ND ND	ND ND ND ND	ND ND ND	ND ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,1, 1,1, 1,1- 1,1- 1,2- 1,2- 1,2- 1,2-	,2,2-Tetrachloroethane         ,2-Trichloroethane         -Dichloroethane         -Dichloroethene         2,3-Trichloropropane         2,3-Trichloropropane         2-Dibromo-3-chloropropan         2-Dibromoethane         2-Dichlorobenzene         2-Dichloroethane         2-Dichlorobenzene         2-Dichloropropane         2-Dichloropethane         2-Dichloropethane         2-Dichloropethane         2-Dichloropethane         2-Dichloropethane         2-Dichloropethane					0	NT NT NT NT	ND ND ND	ND ND ND	ND ND	ND ND	ND	ND	ND	ND	ND	ND
1,1, 1,1- 1,1- 1,2- 1,2- 1,2- 1,2- 1,2-	,2-Trichloroethane -Dichloroethane -Dichloroethene 2,3-Trichloropropane 2-Dibromo-3-chloropropan 2-Dibromoethane 2-Dichlorobenzene 2-Dichloroethane 2-Dichloropropane 4-Dichlorobenzene					0	NT NT NT	ND ND	ND ND	ND	ND						
1,1- 1,1- 1,2- 1,2- 1,2- 1,2- 1,2- 1,2-	-Dichloroethane     -Dichloroethane     -Dichloroethene     2,3-Trichloropropane     2-Dibromo-3-chloropropan     2-Dibromoethane     2-Dichlorobenzene     2-Dichloroethane     4-Dichloropropane					0	NT NT	ND	ND			ND	IND	IND	IND		ND
1,1- 1,2, 1,2- 1,2- 1,2- 1,2- 1,2- 1,2-	I-Dichloroethene 2,3-Trichloropropane 2-Dibromo-3-chloropropan 2-Dibromoethane 2-Dichlorobenzene 2-Dichloroethane 2-Dichloropropane 4-Dichlorobenzene					0	NT										ND
1,2, 1,2- 1,2- 1,2- 1,2- 1,2- 1,2- 1,2-	2,3-Trichloropropane 2-Dibromo-3-chloropropan 2-Dibromoethane 2-Dichlorobenzene 2-Dichloroethane 2-Dichloropropane 4-Dichlorobenzene					0		ND			ND				ND	ND	
1,2- 1,2- 1,2- 1,2- 1,2- 1,4- 2-Bu	2-Dibromo-3-chloropropan 2-Dibromoethane 2-Dichlorobenzene 2-Dichloroethane 2-Dichloropropane 4-Dichlorobenzene					0	INI	ND	ND		ND				ND	ND	ND
1,2- 1,2- 1,2- 1,2- 1,4- 2-Bu	2-Dibromoethane 2-Dichlorobenzene 2-Dichloroethane 2-Dichloropropane 4-Dichlorobenzene						NIT	ND	ND		ND				ND	ND	ND
1,2- 1,2- 1,4- 2-Bi	2-Dichlorobenzene 2-Dichloroethane 2-Dichloropropane 4-Dichlorobenzene						NT		ND		ND				ND	ND	ND
1,2- 1,2- 1,4- 2-Bu	2-Dichloroethane 2-Dichloropropane 4-Dichlorobenzene					Σ	NT	ND	ND		ND				ND	ND	ND
1,2- 1,4- 2-Bu	2-Dichloropropane 1-Dichlorobenzene					20	NT	ND	ND		ND				ND	ND	ND
1,4- 2-Bi	I-Dichlorobenzene					N	NT	ND	ND		ND				ND	ND	ND
2-Bi						_	NT	ND	ND		ND				ND	ND	ND
						2	NT	ND	ND		ND				ND	ND	ND
12-Hi	Butanone						NT	ND	ND		ND				ND	ND	ND
	Hexanone					σ	NT	ND	ND		ND				ND	ND	ND
	Methyl-2-Pentanone						NT	ND	ND		ND				ND	ND	ND
	etone					Ě	NT	ND	ND		ND				ND	ND	ND
	rylonitrile					stalle	NT	ND	ND		ND				ND	ND	ND
	nzene					Ľ.	NT	ND	ND		ND				ND	ND	ND
	omochloromethane					Ū.	NT	ND	ND		ND				ND	ND	ND
	omodichloromethane					Ë	NT	ND	ND		ND				ND	ND	ND
	omoform					2	NT	ND	ND		ND				ND	ND	ND
m Bron	omomethane					10	NT	ND	ND		ND				ND	ND	ND
	irbon disulfide					<u>S</u>	NT	ND	ND		ND				ND	ND	ND
Z Car	rbon Tetrachloride						NT	ND	ND		ND				ND	ND	ND
	lorobenzene					Well	NT	ND	ND		ND				ND	ND	ND
	loroethane					2	NT	ND	ND		ND				ND	ND	ND
	lloroform						NT	ND	ND		ND				ND	ND	ND
Chlo	loromethane					5	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-	-1,2-Dichloroethene					D	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-	-1,3-Dichloropropene						NT	ND	ND		ND	ND			ND	ND	ND
Dibr	promochloromethane					Ē	NT	ND	ND		ND	ND	ND	ND	ND	ND	ND
Dibr	promomethane					ō	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dich	chloromethane					Ť	NT	ND	ND	ND	ND			ND	ND	ND	ND
Ethy	nylbenzene						NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ethyl Iodide						NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Met	ethyl Tertiary Butyl Ether					0	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ho-Xylene					Monitorin	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
para	ra-Xylene & meta-Xylene					<	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	/rene					>	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetr	trachloroethene					eν	NT	1.9	3	1	3.27		2.57	3.93	2.32	2.18	2.28
Tolı	luene					Ð	NT	ND	ND		ND				ND	ND	ND
tran	ns-1,2-Dichloroethene					7		ND	ND		ND				ND	ND	ND
	ns-1,3-Dichloropropene					~	NT	ND	ND		ND				ND	ND	ND
tran	ns-1,4-Dichloro-2-buten						NT	ND	ND		ND				ND	ND	ND
	chloroethene						NT	ND	ND		ND				ND	ND	ND
	chlorofluoromethane						NT	ND	ND		ND				ND	ND	ND
	nyl Acetate						NT	ND	ND		ND				ND	ND	ND
	nyl Chloride						NT	ND	ND		ND				ND	ND	ND
	lene (Total)						NT	ND	ND		NT				NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
200041011	1,1,1,2-Tetrachloroethane						ND	ND	ND		ND	ND			ND	ND	ND
	1,1,1-Trichloroethane	4					ND	ND	ND		ND	ND			ND	ND	ND
	1,1,2,2-Tetrachloroethane	1					ND	ND	ND		ND	ND		ND	ND	ND	ND
	1,1,2-Trichloroethane	4					ND	ND	ND		ND	ND			ND	ND	ND
	1,1-Dichloroethane	4					ND	ND	ND		ND	ND			ND	ND	ND
	1,1-Dichloroethene	4					ND	ND	ND		ND	ND		ND	ND	ND	ND
	1,2,3-Trichloropropane	-					ND	ND	ND		ND	NT			ND	ND	ND
	1,2-Dibromo-3-chloropropan	4				0	ND	ND	ND		ND	ND			ND	ND	ND
	1,2-Dibromoethane	4					ND	ND	ND		ND	ND		ND	ND	ND	ND
	1,2-Dichlorobenzene	4				Ξ	ND	ND	ND		ND	ND			ND	ND	ND
	1.2-Dichloroethane	4				20	ND	ND	ND		ND	ND			ND	ND	ND
	1,2-Dichloropropane	4				(N	ND	ND	ND		ND	ND			ND	ND	ND
	1.4-Dichlorobenzene	4				-	ND	ND	ND		ND	ND			ND	ND	ND
	2-Butanone	4				<u> </u>	ND	ND	ND		ND	ND			ND	ND	ND
	2-Hexanone	-					ND	ND	ND		ND	ND			ND	ND	ND
	4-Methyl-2-Pentanone	4				Q	ND	ND	ND		ND	ND			ND	ND	ND
	Acetone	-				Ð	ND	ND	ND		ND	ND			ND	ND	ND
	Acrylonitrile	-					ND	ND	ND		ND	ND		ND	ND	ND	ND
	Benzene	-				J	ND	ND	ND		ND	ND			ND	ND	ND
	Bromochloromethane	1				Installe	ND	ND	ND		ND	ND		NT	ND	ND	ND
	Bromodichloromethane	4				S	ND	ND	ND		ND	ND			ND	ND	ND
	Bromoform	4					ND	ND	ND		ND	ND			ND	ND	ND
	Bromomethane	4					ND	ND	ND		ND	ND			ND	ND	ND
<b>SL</b>	Carbon disulfide	4				Ś	ND	ND	ND		ND	ND			ND	ND	ND
13	Carbon Tetrachloride	4					ND	ND	ND		ND	ND			ND	ND	ND
MW3/	Chlorobenzene	4					ND	ND	ND		ND	ND			ND	ND	ND
Σ	Chloroethane	4				~	ND	ND	ND		ND	ND		ND	ND	ND	ND
	Chloroform	4				Wells	1.46				ND	1.15					
	Chloromethane	4					ND	ND 1.5	ND 1.0		ND	ND			ND 2.15	ND	ND 1.20
	cis-1,2-Dichloroethene	1				σ	ND	ND	ND		ND	ND			ND	ND	ND
	cis-1,3-Dichloropropene	1					ND	ND	ND		ND	ND			ND	ND	ND
	Dibromochloromethane	1				Ē	ND	ND	ND		ND	ND			ND	ND	ND
	Dibromomethane	1					ND	ND	ND		ND	ND			ND	ND	ND
	Dichloromethane	1				<u>S</u>	ND	ND	ND		ND	ND		ND	ND	ND	ND
	Ethylbenzene	1					ND	ND	ND		ND	ND			ND	ND	ND
	Methyl Iodide						ND	ND	ND		ND	ND			ND	ND	ND
	Methyl Tertiary Butyl Ether					0	ND	ND	ND		ND	ND			ND	ND	ND
	ortho-Xylene	1				Monitoring	ND	NT	NT		ND	ND			ND	ND	ND
	para-Xylene & meta-Xylene	1				2	ND	NT	NT		ND	ND			ND	ND	ND
	Styrene	1					ND	ND	ND		ND	ND			ND	ND	ND
	Tetrachloroethene	1				θ	ND	ND	ND		ND	ND			ND	ND	ND
	Toluene	1				Ð	ND	ND	ND		ND	ND			ND	ND	ND
	trans-1,2-Dichloroethene	1				7	ND	ND	ND		ND				ND	ND	ND
	trans-1,3-Dichloropropene					~	ND	ND	ND		ND	ND			ND	ND	ND
	trans-1,4-Dichloro-2-buten						ND	ND	ND		ND	ND			ND	ND	ND
	Trichloroethene	1					ND	ND	ND		ND				ND	ND	ND
	Trichlorofluoromethane	1					ND	ND	ND		ND	ND			ND	ND	ND
	Vinyl Acetate	1					ND	ND	ND		ND	ND			ND	ND	ND
	Vinyl Chloride						ND	ND	ND		ND				ND	ND	ND
	Xylene (Total)	1					NT	ND	ND		NT	NT		NT	NT	NT	NT
									טא	טאון				111		111	1.1.1

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Loodion	1,1,1,2-Tetrachloroethane	2000 0	2000 1	2000 0	20001	2010 0	ND	ND	ND		ND						
	1,1,1-Trichloroethane	ł					ND	ND	ND		ND						
	1,1,2,2-Tetrachloroethane	ł					ND	ND	ND		ND						
	1,1,2-Trichloroethane	4					ND	ND	ND		ND						
	1,1-Dichloroethane	ł					ND	ND	ND			-		ND		-	ND
	1.1-Dichloroethene	ł					ND	ND			ND	ND	ND		ND	ND	
	,	ł					ND	ND	ND		ND						
	1,2,3-Trichloropropane	ł							ND		ND	NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan					0	ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,2-Dibromoethane					Ξ	ND	ND	ND		ND						
	1,2-Dichlorobenzene	ļ				0	ND	ND	ND		ND						
	1,2-Dichloroethane	ļ				Ñ	ND	ND	ND		ND						
	1,2-Dichloropropane	ļ				_	ND	ND	ND		ND						
	1,4-Dichlorobenzene	ļ				<u> </u>	ND	ND	ND		ND						
	2-Butanone						ND	ND	ND		ND						
	2-Hexanone					Q	ND	ND	ND		ND		ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone					Ō	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Acetone					Installe	ND	ND	ND		ND						
	Acrylonitrile	ļ					ND	ND	ND		ND						
	Benzene	ļ				Ľ	ND	ND	ND		ND						
	Bromochloromethane	ļ				Ū	ND	ND	ND		ND						
	Bromodichloromethane					Ë	ND	ND	ND		ND						
	Bromoform						ND	ND	ND		ND						
m	Bromomethane						ND	ND	ND		ND						
8	Carbon disulfide					<u> </u>	ND	ND	ND		ND		ND	ND	ND	ND	ND
Ξ	Carbon Tetrachloride						ND										
MW3B	Chlorobenzene					Wells	ND										
2	Chloroethane					>	ND										
	Chloroform						ND										
	Chloromethane						ND	ND	ND		ND						
[	cis-1,2-Dichloroethene					<u> </u>	1.11	ND	1.02	ND							
[	cis-1,3-Dichloropropene						ND										
[	Dibromochloromethane	1					ND										
	Dibromomethane	1				ō	ND										
[	Dichloromethane	1				Ť	ND	ND	ND		ND						
	Ethylbenzene	1					ND										
	Methyl Iodide	1					ND										
	Methyl Tertiary Butyl Ether	1				0	ND										
	ortho-Xylene					Monitorin	ND	NT	NT	NT	ND						
	para-Xylene & meta-Xylene					2	ND	NT	NT	NT	ND						
	Styrene					>	ND										
	Tetrachloroethene					θ	ND										
	Toluene					Ð	ND	ND	ND		ND						
	trans-1,2-Dichloroethene					Ζ	ND										
	trans-1,3-Dichloropropene						ND										
	trans-1,4-Dichloro-2-buten						ND	ND	ND		ND						
	Trichloroethene						ND										
	Trichlorofluoromethane						ND										
	Vinyl Acetate						ND										
	Vinyl Chloride						ND	ND	ND		ND						
	Xylene (Total)	1					NT	ND	ND		NT		ND	ND	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Loodion	1,1,1,2-Tetrachloroethane	2000 0	20001	2000 0	20001	2010 0	ND		ND								
	1,1,1-Trichloroethane	-					ND		ND		ND						
	1,1,2,2-Tetrachloroethane	-					ND		ND		ND						
	1,1,2-Trichloroethane	-					ND		ND		ND						
	1,1-Dichloroethane	-					ND	9.3		ND	ND	ND	ND	ND	ND		ND
	1,1-Dichloroethene						ND	9.3 ND	ND		ND						
	1,2,3-Trichloropropane						ND		ND	ND	ND	NT	ND	ND	ND		ND
	1,2-Dibromo-3-chloropropan					0	ND		ND		ND						
	1,2-Dibromoethane	-					ND		ND		ND						
	1,2-Dichlorobenzene	-				201	ND		ND	ND	ND	ND	ND	NT	ND		ND
	1,2-Dichloroethane	-					ND		ND		ND						
	1,2-Dichloropropane	-				<b>UN</b>	ND		ND		ND						
	1,4-Dichlorobenzene						ND		ND		ND						
	2-Butanone					i L	ND		ND		ND						
	2-Hexanone						ND		ND		ND						
	4-Methyl-2-Pentanone					õ	ND		ND		ND						
	Acetone					<u>e</u>	ND	9.4		ND							
	Acrylonitrile					Installed	ND	9.4 ND	ND		ND						
	Benzene	-				a	ND	1.1		ND	ND	ND	ND	ND	ND		ND
	Bromochloromethane						ND		ND 2.1	ND	ND	ND	ND	NT	ND	ND	ND
	Bromodichloromethane					S	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
	Bromoform						ND		ND								
_	Bromomethane						ND		ND		ND						
MW04	Carbon disulfide					S	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Š	Carbon Tetrachloride					Ë	ND		ND		ND						
2	Chlorobenzene						ND	5.6		ND							
2	Chloroethane	-				Ň	ND	ND 0.0	ND		ND						
	Chloroform	-				Wells	ND		ND								
	Chloromethane	-					ND	2.9		ND							
	cis-1,2-Dichloroethene					δ	ND		ND	ND	ND	ND		ND	ND	1.25	
	cis-1,3-Dichloropropene						ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
	Dibromochloromethane						ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
	Dibromomethane					5	ND		ND		ND						
	Dichloromethane					L L L	ND	ND	2	ND	ND	ND	ND	ND	ND		ND
	Ethylbenzene					÷	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
	Methyl Iodide					Monitorin	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
	Methyl Tertiary Butyl Ether					0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.07
	ortho-Xylene					Š	ND		NT	NT	ND						
	para-Xylene & meta-Xylene					2	ND		NT	NT	ND						
	Styrene					>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene					e≪	ND	ND	1.5	ND	ND	ND	ND	ND	ND		ND
	Toluene					Ð	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene					7	ND	1.7	ND	ND	ND	ND	ND		ND	ND	ND
	trans-1,3-Dichloropropene					~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten						ND		ND		ND						
	Trichloroethene						ND	5.6	1.4	ND	ND	ND	ND	ND	ND		ND
	Trichlorofluoromethane						ND	ND		ND	ND	ND	ND	ND	ND		ND
	Vinyl Acetate						ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
	Vinyl Chloride						ND	ND		ND	ND	ND	ND	ND	ND		ND
	Xylene (Total)						NT	ND	ND	ND	NT	NT	ND	NT	NT		NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane						ND	ND	ND	ND	ND	ND			ND	ND	ND
	1,1,1-Trichloroethane	1					ND	ND	ND	ND	ND	ND			ND	ND	ND
	1,1,2,2-Tetrachloroethane	1					ND	ND	ND	ND	ND	ND			ND	ND	ND
	1.1.2-Trichloroethane	1					ND	ND	ND	ND	ND	ND			ND	ND	ND
	1,1-Dichloroethane	4					6.86		ND		ND	2.79		2.03			
	1,1-Dichloroethene	4					ND 0.00	ND	ND	ND 3.3	ND	2.79 ND			1.68	1.24 ND	ND 1.15
	1,2,3-Trichloropropane	4					ND	ND	ND	ND		NT			ND ND	ND	ND
	1,2-Dibromo-3-chloropropan	4				0	ND	ND	ND			ND			ND		
	1.2-Dibromoethane	4					ND	ND		ND	ND					ND	ND
		ł				Σ	ND	ND	ND	ND	ND	ND			ND	ND	ND
	1,2-Dichlorobenzene	4				0	1.84		ND	ND	ND	ND			ND	ND	ND
	1,2-Dichloroethane	ł				N			ND	ND	ND	ND			ND	ND	ND
	1,2-Dichloropropane	ł				~	2.37		ND	ND	ND	1.15			ND	ND	ND
	1,4-Dichlorobenzene	ļ				2.	6.64		ND	ND	6.24	4.53	3.99	4.99			
	2-Butanone	4					ND	ND	ND	ND		ND			ND	ND	ND
	2-Hexanone	-				D	ND	ND	ND	ND		ND			ND	ND	ND
	4-Methyl-2-Pentanone	4				Installed	ND	ND	ND	ND	ND	ND			ND	ND	ND
	Acetone	4				Ě	ND	ND	ND	ND	ND	ND			ND	ND	ND
	Acrylonitrile	ł				M	ND	ND	ND	ND		ND			ND	ND	ND
	Benzene	ļ				ű,	0.74		ND			ND			ND	ND	ND
	Bromochloromethane	ļ				Ū.	ND	ND	ND	ND	ND	ND			ND	ND	ND
	Bromodichloromethane	1				Ë	ND	ND	ND	ND	ND	ND			ND	ND	ND
	Bromoform	ļ					ND	ND	ND	ND		ND			ND	ND	ND
ധ	Bromomethane	1				10	ND	ND	ND	ND	ND	ND			ND	ND	ND
Õ	Carbon disulfide	1				<u> </u>	ND	ND	ND	ND	ND	ND			ND	ND	ND
3	Carbon Tetrachloride	1					ND	ND	ND	ND	ND	ND			ND	ND	ND
MW06	Chlorobenzene	1				Wells	5.77	7.1		ND	6.56		4.03	4.94	6.19		
	Chloroethane	1				2	ND	ND	ND	ND	ND	ND			ND	ND	ND
	Chloroform	1					ND	ND	ND	ND	ND	ND			ND	ND	ND
	Chloromethane	1					ND	ND	ND	ND	ND	ND			ND	ND	ND
	cis-1,2-Dichloroethene	1				onitoring	33.20		ND	23		15.3	15.6		11.4	11.2	
	cis-1,3-Dichloropropene	ļ				<u> </u>	ND	ND	ND	ND	ND	ND			ND	ND	ND
	Dibromochloromethane	1					ND	ND	ND	ND		ND			ND	ND	ND
	Dibromomethane	1				0	ND	ND	ND	ND		ND			ND	ND	ND
	Dichloromethane	1				Ť,	0.56		ND	ND	ND	ND			ND	ND	ND
	Ethylbenzene	1					ND	ND	ND	ND	ND	ND			ND	ND	ND
	Methyl Iodide	1					ND	ND	ND	ND		ND			ND	ND	ND
	Methyl Tertiary Butyl Ether	1				0	5.16		ND		ND	ND			ND	ND	ND
	ortho-Xylene	1				Š	ND	NT	NT	NT	ND	ND			ND	ND	ND
	para-Xylene & meta-Xylene						ND	NT	NT	NT	ND	ND			ND	ND	ND
	Styrene					ev	ND	ND	ND	ND		ND			ND	ND	ND
	Tetrachloroethene					N	ND	ND	ND	ND	ND	ND			ND	ND	ND
	Toluene					<u>e</u>	ND	ND	ND	ND	ND	ND			ND	ND	ND
	trans-1,2-Dichloroethene					Ζ	2.63		2.2		ND	1.01				ND	ND
	trans-1,3-Dichloropropene						ND	ND	ND	ND	ND	ND			ND	ND	ND
	trans-1,4-Dichloro-2-buten						ND	ND	ND	ND	ND	ND			ND	ND	ND
	Trichloroethene						1.19		ND	ND		ND	1.26		ND	ND	ND
	Trichlorofluoromethane						ND	ND	ND	ND		ND			ND	ND	ND
	Vinyl Acetate						ND	ND	ND	ND	ND				ND	ND	ND
	Vinyl Chloride						ND	ND	ND		ND	1.65		ND	1.62		
	Xylene (Total)						NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane	2000 0	20001	2000 0	20001	2010 0		ND	ND	ND	ND	ND	ND		ND		ND
	1,1,1-Trichloroethane	1						ND	ND	ND	ND	ND	ND		ND		ND
	1,1,2,2-Tetrachloroethane	1						ND	ND	ND	ND		ND		ND		ND
	1.1.2-Trichloroethane	ł						ND	ND	ND	ND		ND		ND		ND
	1,1-Dichloroethane	1						ND	ND	ND	ND		ND		ND		ND
	1,1-Dichloroethene	1						ND	ND	ND	ND		ND		ND		ND
	1,2,3-Trichloropropane	1						ND	ND	ND	ND		ND		ND		ND
	1,2-Dibromo-3-chloropropan	4				Ο		ND	ND	ND	ND		ND		ND		ND
	1,2-Dibromoethane	4						ND	ND	ND	ND	ND	ND		ND		ND
	1,2-Dichlorobenzene	4				Ξ		ND	ND	ND	ND	ND	ND		ND		ND
	1,2-Dichloroethane	ł				0		ND	ND	ND	ND		ND		ND		ND
		ł				Ñ		ND									ND
	1,2-Dichloropropane 1,4-Dichlorobenzene	4				L		ND	ND	ND	ND ND		ND		ND 10.0		
	2-Butanone	4					0.73		ND	ND ND	ND	1.69 ND		7.54 ND			3.39 ND
		4							ND						ND		
	2-Hexanone	1				D		ND ND	ND	ND	ND		ND		ND		ND
	4-Methyl-2-Pentanone	1				Û	4.74		ND	ND	ND		ND ND		ND ND		ND ND
	Acetone Acrylonitrile	1				stalle		ND	ND	ND	ND				ND ND		
	,	-				<b>D</b>		ND	ND	ND	ND		ND				ND
	Benzene Bromochloromethane	ł				Ľ.		ND	ND	ND	ND ND	ND	ND ND	ND NT			ND ND
		ł				S		ND	ND	ND		ND			ND		
	Bromodichloromethane	4				2		ND	ND	ND	ND		ND		ND		ND
	Bromoform Bromomethane	4						ND	ND	ND	ND		ND		ND		ND
	Carbon disulfide	4				6		ND	ND	ND ND	ND	ND ND	ND		ND		ND
2	Carbon Tetrachloride	4						ND	ND		ND		ND		ND		ND ND
$\leq$		4						ND	ND	ND	ND				ND 0.05		
MW07	Chlorobenzene	4						ND	ND	ND	ND	ND	ND	ND	3.35		ND
	Chloroethane	4				Wells		ND	ND	ND	ND	ND	ND		ND		ND
	Chloroform	4						ND	ND	ND	ND		ND		ND		ND
	Chloromethane	ł				δ		ND	ND	ND	ND 5.40	ND	ND 0.45		ND 5.40		ND
	cis-1,2-Dichloroethene	4						ND	ND	ND	5.12	3.38					
	cis-1,3-Dichloropropene	4						ND	ND	ND	ND	ND	ND		ND		ND
	Dibromochloromethane Dibromomethane	4						ND	ND	ND	ND		ND		ND		ND
	Dichloromethane	4				0		ND	ND	ND	ND		ND		ND		ND
		4				<u>+</u>		ND		ND	ND		ND		ND		ND
	Ethylbenzene Methyl ledide	4				-		ND	ND	ND	ND	ND	ND		ND		ND
	Methyl Iodide	1				2		ND ND	ND	ND	ND		ND		ND		ND
	Methyl Tertiary Butyl Ether	1				Monitorin			ND	ND	ND		ND		ND		ND
	ortho-Xylene	1				$\geq$			NT	NT	ND	ND	ND		ND		ND
	para-Xylene & meta-Xylene	1						NT ND	NT	NT	ND		ND	ND	ND		ND
	Styrene	1				ev	ND 0.54		ND	ND	ND 2 2 56	ND	ND		ND		ND 2.20
	Tetrachloroethene	1				5		ND ND	3				4.39			3.79	
	Toluene trans 1.2 Dichloroothono	1				ž			ND	ND	ND				ND		ND
	trans-1,2-Dichloroethene	-				2			ND	ND					ND		
	trans-1,3-Dichloropropene	1							ND	ND	ND		ND		ND		ND
	trans-1,4-Dichloro-2-buten	1						ND	ND	ND	ND	ND 0.01	ND 0.00		ND		ND
	Trichloroethene	4					0.52		3				2.62			1.37	
	Trichlorofluoromethane	4						ND	ND	ND	ND		ND		ND		ND
	Vinyl Acetate	-						ND	ND	ND	ND		ND		ND		ND
	Vinyl Chloride	-						ND	ND	ND	ND		ND	ND	1.09		ND
	Xylene (Total)						NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Loodion	1,1,1,2-Tetrachloroethane	2000 0	20001	2000 0	20001	2010 0	ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,1-Dichloroethane	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,1-Dichloroethene	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	1				0	ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,2-Dibromoethane	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	1				Ξ	ND	ND	ND		ND		ND	NT	ND	ND	ND
	1.2-Dichloroethane	1				20	ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,2-Dichloropropane	4				<b>N</b>	ND	ND	ND		ND		ND	ND	ND	ND	ND
	1.4-Dichlorobenzene	4					ND	ND	ND	ND	4.03	1.45		ND	ND	ND	ND
	2-Butanone	4				Ц Ц	ND	ND	ND		4.03 ND		ND	ND	ND	ND	ND
	2-Hexanone	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	1				Q	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Acetone	1				Ð	1.41		ND		ND		ND	ND	ND	10.2	
	Acrylonitrile	1					ND 1.41	0.0 ND	ND		ND		ND	ND	ND	ND 10.2	ND
	Benzene	1				a	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Bromochloromethane	1				Installe	ND	ND	ND		ND		ND	NT	ND	ND	ND
	Bromodichloromethane	1				S	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Bromoform	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	Bromomethane	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
8	Carbon disulfide	1				S	ND		ND		ND		ND	ND	ND	ND	ND
2	Carbon Tetrachloride	1					ND	ND I.I	ND		ND		ND	ND	ND	ND	ND
MW08	Chlorobenzene	1					0.51		ND		ND		ND	ND	ND	ND	ND
Σ	Chloroethane	1				~	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Chloroform	1				Wells	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Chloromethane	1					1.98		ND		ND		ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1				σ	ND	ND 3.7	ND		ND		ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	Dibromochloromethane	1				-=	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Dibromomethane	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	Dichloromethane	1				<u>U</u>	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Ethylbenzene	1				.=	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Methyl Iodide	1				Monitorin	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	1				ō	ND	ND	ND		ND		ND	ND	ND	ND	ND
	ortho-Xylene	1				Ĕ	ND	NT	NT		ND		ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	1				2	ND	NT	NT		ND		ND	ND	ND	ND	ND
	Styrene	1				-	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Tetrachloroethene	1				θ	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Toluene	1				<b>U</b>	ND	ND	ND		ND		ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	1				7	ND	ND	ND		ND				ND	ND	ND
	trans-1,3-Dichloropropene	1				~	ND	ND	ND	=	ND		ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	Trichloroethene	1					ND	ND		ND	5.37	1.24		ND	ND	ND	ND
	Trichlorofluoromethane	1					ND	ND	2.0 ND		ND 3.37		ND	ND	ND	ND	ND
	Vinyl Acetate	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	Vinyl Chloride	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	Xylene (Total)	1					NT	ND	ND		NT		NT	NT	NT	NT	NT
								l' ''	ļ. 12			111				INT	1.4.1

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
200041011	1,1,1,2-Tetrachloroethane						ND	ND	ND		ND				ND	ND	ND
	1,1,1-Trichloroethane	4					ND	ND	ND		ND				ND	ND	ND
	1,1,2,2-Tetrachloroethane	1					ND	ND	ND		ND			ND	ND	ND	ND
	1,1,2-Trichloroethane	1					ND	ND	ND		ND				ND	ND	ND
	1,1-Dichloroethane	1					ND	ND	ND		ND				ND	ND	ND
	1,1-Dichloroethene	4					ND	ND	ND		ND			ND	ND	ND	ND
	1,2,3-Trichloropropane	ł					ND	ND	ND		ND				ND	ND	ND
	1,2-Dibromo-3-chloropropan	ł				0	ND	ND	ND		ND				ND	ND	ND
	1,2-Dibromoethane	4					ND	ND	ND		ND				ND	ND	ND
	1,2-Dichlorobenzene	ł				Σ	ND	ND	ND		ND			ND NT	ND	ND	ND
	1.2-Dichloroethane	ł				20	ND	ND							ND		ND
		4				N	ND	ND	ND		ND					ND	
	1,2-Dichloropropane 1,4-Dichlorobenzene	4				_	ND		ND		ND				ND	ND	ND
		4				Ľ.	ND	ND ND	ND ND		ND ND				ND ND	ND ND	ND ND
	2-Butanone	4						ND									
	2-Hexanone	1				D		ND ND	ND		ND				ND	ND	ND
	4-Methyl-2-Pentanone	1				Ð	ND ND								ND	ND	ND
	Acetone	-				Installe	ND ND	ND 22	ND						ND	ND	ND
	Acrylonitrile	1				ā	ND ND		ND		ND			ND	ND	ND	ND
	Benzene	1				Ľ.	ND ND	1 ND	ND		ND				ND	ND	ND
	Bromochloromethane	ł				S	ND	ND	ND		ND			NT	ND	ND	ND
	Bromodichloromethane	4							ND		ND				ND	ND	ND
	Bromoform	4				_	ND	ND	ND		ND				ND	ND	ND
6	Bromomethane Carbon disulfide	4				6	ND ND	ND ND	ND		ND				ND	ND	ND
2		4							ND		ND				ND	ND	ND
5	Carbon Tetrachloride	ł					ND	ND	ND		ND				ND	ND	ND
60MW	Chlorobenzene	4				N.	ND	ND	ND		ND				ND	ND	ND
_	Chloroethane	ł				Wells	ND ND	ND	ND		ND				ND	ND	ND
	Chloroform	ł						ND	ND		ND			ND	ND	ND	ND
	Chloromethane	ł				δ	ND ND	ND	ND		ND				ND	ND	ND
	cis-1,2-Dichloroethene	4				Ĕ		ND	ND		ND				ND	ND	ND
	cis-1,3-Dichloropropene	4					ND ND	ND	ND		ND				ND	ND	ND
	Dibromochloromethane	4				<u> </u>		ND ND	ND		ND				ND	ND	ND
	Dibromomethane	4				0	ND ND	ND	ND		ND				ND	ND	ND
	Dichloromethane	4				<u>+</u>	ND		ND		ND			ND	ND	ND	ND
	Ethylbenzene Methyl Jadida	1				Ē	ND ND	ND ND	ND		ND				ND	ND	ND
	Methyl Iodide Methyl Tertiary Butyl Ether	-				2	ND ND	ND ND	ND						ND	ND	ND
		-				Ľ			ND						ND	ND	ND
	ortho-Xylene para-Xylene & meta-Xylene	1				Monitorin	ND ND	NT	NT						ND	ND	ND
	, ,						ND ND	NT ND	NT					ND	ND	ND	ND
	Styrene	1				θŴ			ND		ND 10.0			ND	ND	ND	ND
	Tetrachloroethene Toluene	1				<b>T</b>	8.72 ND	5	-			16.4	12.9	16.5	16.9		
		1				Ĭ	ND	ND 3	ND ND		ND ND		ND ND		ND ND	ND ND	ND ND
	trans-1,2-Dichloroethene	1				2	ND	ND									
	trans-1,3-Dichloropropene	1					ND ND		ND		ND				ND	ND	ND
	trans-1,4-Dichloro-2-buten	1					0.73	ND	ND		ND			ND	ND	ND	ND
	Trichloroethene Trichlorofluoromothana	1							ND		ND	1.11		ND	1.78		2.03
	Trichlorofluoromethane	4					ND	ND	ND		ND				ND	ND	ND
	Vinyl Acetate	4					ND	ND	ND		ND				ND	ND	ND
	Vinyl Chloride	4					ND	ND	ND		ND				ND	ND	ND
	Xylene (Total)						NT	1.3	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Location	1,1,1,2-Tetrachloroethane	2000 0	20001	2003 0	20031	2010 0	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	-					ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	-					ND	ND	ND		ND	ND	ND		ND	ND	ND
	1,1,2-Trichloroethane	-					ND	ND			ND			ND ND	ND		
	1,1-Dichloroethane	-					ND	ND	ND ND				ND			ND	ND ND
	•	4					ND ND	ND			ND		ND	ND	ND	ND	
	1,1-Dichloroethene	4							ND		ND		ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	-					ND ND	ND ND	ND		ND		ND	ND	ND	ND	ND
-	1,2-Dibromo-3-chloropropan	-				<u> </u>		ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	-				Σ	ND		ND		ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	4				20	ND	ND	ND		ND	ND		NT	ND	ND	ND
	1,2-Dichloroethane	-				N	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	-				~	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	-				<u> </u>	ND	ND	ND		ND		ND	ND	ND	ND	ND
	2-Butanone	-					ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	-				σ	ND	ND	ND		ND		ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	-					ND	ND	ND		ND		ND	ND	ND	ND	ND
	Acetone	4				stalle			ND		ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	-				<b>D</b>	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Benzene	-				Ť,	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	-				S	ND	ND	ND		ND	ND		NT	ND	ND	ND
	Bromodichloromethane	-					ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Bromoform	-					ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Bromomethane	-				S	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
Σ	Carbon disulfide	-					ND	ND	ND		ND		ND	ND	ND	ND	ND
3	Carbon Tetrachloride	-					ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	-				<b>e</b>	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Chloroethane	-				Well	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Chloroform	-					ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Chloromethane	-				δ	ND		ND		ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	-					ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	-					ND	ND	ND		ND		ND	ND	ND	ND	ND
	Dibromochloromethane	-				<u> </u>	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Dibromomethane	-				0	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Dichloromethane	-				<u> </u>	ND	ND	ND		ND			ND	ND	ND	ND
	Ethylbenzene Methyl Jadida	4				5	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Methyl Iodide	4					ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	4				Monitorin	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	4				$\geq$	ND ND	NT	NT		ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	-						NT	NT		ND	ND	ND	ND	ND	ND	ND
	Styrene	-				θ		ND	ND		ND		ND	ND	ND	ND	ND
	Tetrachloroethene	-				5			ND		ND	ND	ND	ND	ND	ND	ND
	Toluene trans-1.2-Dichloroethene	-				¥	ND ND	ND ND	ND		ND	ND	ND	ND	ND	ND	ND
		-				Z			ND		ND			ND	ND	ND	ND
	trans-1,3-Dichloropropene	4					ND	ND	ND		ND	ND		ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	4					ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	-					ND	ND	ND		ND			ND	ND	ND	ND
	Trichlorofluoromethane	-					ND	ND	ND		ND		ND	ND	ND	ND	ND
	Vinyl Acetate	-					ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	-					ND	ND	ND		ND			ND	ND	ND	ND
	Xylene (Total)						NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane						ND	ND	ND		ND						
	1,1,1-Trichloroethane	4					ND	ND	ND		ND	ND	ND		ND	ND	ND
	1,1,2,2-Tetrachloroethane	1					ND	ND	ND		ND	ND	ND		ND	ND	ND
	1,1,2-Trichloroethane	4					ND	ND	ND		ND	ND	ND		ND	ND	ND
	1,1-Dichloroethane	4					ND	ND	ND		ND	ND	ND		ND	ND	ND
	1.1-Dichloroethene	4					ND	ND	ND		ND	ND	ND		ND	ND	ND
	,	4					ND										
	1,2,3-Trichloropropane	4					ND	ND ND	ND		ND	NT	ND		ND	ND	ND
	1,2-Dibromo-3-chloropropan	4				<u> </u>			ND		ND	ND	ND		ND	ND	ND
	1,2-Dibromoethane	4				Ξ	ND	ND	ND		ND	ND	ND		ND	ND	ND
	1,2-Dichlorobenzene	4				20	ND	ND	ND		ND	ND	ND		ND	ND	ND
	1,2-Dichloroethane	4				N	ND	ND	ND		ND	ND	ND		ND	ND	ND
	1,2-Dichloropropane	4				_	ND	ND	ND		ND						
	1,4-Dichlorobenzene	4				2.	ND	ND	ND		ND	ND	ND	ND	1.01		ND
	2-Butanone	-					ND	ND	ND		ND	ND	ND		ND	ND	ND
	2-Hexanone	-				σ	ND	ND	ND		ND	ND	ND		ND	ND	ND
	4-Methyl-2-Pentanone						ND	ND	ND		ND	ND	ND		ND	ND	ND
	Acetone	4				Ě	ND	ND	ND		ND	ND	ND		ND	ND	ND
	Acrylonitrile	4				stalle	ND	ND	ND		ND	ND	ND		ND	ND	ND
	Benzene	4				ű,	ND	ND	ND		ND	ND	ND		ND	ND	ND
	Bromochloromethane	4				Ū.	ND	ND	ND		ND	ND	ND		ND	ND	ND
	Bromodichloromethane						ND	ND	ND		ND	ND	ND		ND	ND	ND
	Bromoform						ND	ND	ND		ND	ND	ND		ND	ND	ND
	Bromomethane					40	ND	ND	ND		ND	ND	ND		ND	ND	ND
	Carbon disulfide					<u>S</u>	ND	ND	ND		ND						
5	Carbon Tetrachloride						ND	ND	ND		ND	ND	ND		ND	ND	ND
MW1	Chlorobenzene					Û	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Σ	Chloroethane					Well	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	Chloroform						ND	ND	ND		ND	ND	ND		ND	ND	ND
	Chloromethane						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
[	cis-1,2-Dichloroethene					D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	]					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	1				ō	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	1				Ц Ц	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide						ND	ND	ND		ND						
	Methyl Tertiary Butyl Ether					Monitorin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene					5	ND	NT	NT		ND	ND	ND		ND	ND	ND
	para-Xylene & meta-Xylene						ND	NT	NT		ND	ND	ND		ND	ND	ND
	Styrene					>	ND	ND	ND		ND						
	Tetrachloroethene	1				θ	ND	ND	ND		ND	ND	ND	ND	1.36	ND	ND
	Toluene	1				Ð	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	trans-1,2-Dichloroethene	1					ND	ND	ND		ND		ND			ND	ND
	trans-1,3-Dichloropropene	1				~	ND	ND	ND		ND	ND	ND		ND	ND	ND
	trans-1,4-Dichloro-2-buten	1					ND	ND	ND		ND	ND	ND		ND	ND	ND
	Trichloroethene	1					ND	ND	ND		ND		ND		ND	ND	ND
	Trichlorofluoromethane	1					ND	ND	ND		ND	ND	ND		ND	ND	ND
	Vinyl Acetate	1					ND	ND	ND		ND	ND	ND		ND	ND	ND
	Vinyl Chloride	1					ND	ND	ND		ND		ND		ND	ND	ND
	Xylene (Total)	1					NT	ND	ND		NT		ND		NT	NT	NT
	Ayici le (10lai)						INI	טאו	טאו	טאו			שאון				

Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Location	1,1,1,2-Tetrachloroethane	2000 0	20001	2000 0	2000 1	2010 0	ND	ND	ND		ND						
	1,1,1-Trichloroethane	ł					ND	ND	ND		ND						
	1,1,2,2-Tetrachloroethane	•					ND	ND	ND		ND						
	1,1,2-Trichloroethane	•					ND	ND	ND		ND						
	1,1-Dichloroethane	•					ND	ND	ND		ND						
	1,1-Dichloroethene						ND	ND	ND		ND						
	1,2,3-Trichloropropane	•					ND	ND	ND		ND	NT	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ŕ				0	ND	ND	ND		ND						
	1,2-Dibromoethane	ł				7	ND	ND	ND		ND						
	1,2-Dichlorobenzene	ł				ò	ND	ND	ND		ND	ND	ND	NT	ND	ND	ND
	1.2-Dichloroethane	•				20	ND	ND	ND		ND						
	1,2-Dichloropropane	•				<b>UN</b>	ND	ND	ND		ND						
	1,4-Dichlorobenzene	•					ND	ND	ND		ND						
	2-Butanone					Ц Ц	ND	ND	ND		ND						
	2-Hexanone						ND	ND	ND		ND						
	4-Methyl-2-Pentanone					Ď	ND	ND	ND		ND						
	Acetone					Ð	ND	ND	ND		ND						
	Acrylonitrile					Installe	ND	ND	ND		ND						
	Benzene					J	ND	ND	ND		ND						
	Bromochloromethane					ţ	ND	ND	ND		ND	ND	ND	NT	ND	ND	ND
	Bromodichloromethane	ł				<b>N</b>	ND	ND	ND		ND						
	Bromoform	ł					ND	ND	ND		ND						
B	Bromomethane	ł					ND	ND	ND		ND						
1	Carbon disulfide	ł				S	ND	ND	ND		ND						
5	Carbon Tetrachloride	1					ND	ND	ND		ND						
MW1	Chlorobenzene					Φ	ND	ND	ND		ND						
Ś	Chloroethane	•				Š	ND	ND	ND		ND						
	Chloroform	•				Well	ND	ND	ND		ND						
	Chloromethane	1					ND	ND	ND		ND						
	cis-1,2-Dichloroethene	1				δ	ND	ND	ND		ND	ND	ND	ND	ND	ND	1.15
	cis-1,3-Dichloropropene	1					ND	ND	ND		ND						
	Dibromochloromethane	1					ND	ND	ND		ND						
	Dibromomethane	1				5	ND	ND	ND		ND						
	Dichloromethane	1				H	ND	ND	ND		ND						
	Ethylbenzene	1				-	ND	ND	ND		ND						
	Methyl Iodide	1					ND	ND	ND		ND						
	Methyl Tertiary Butyl Ether	1				0	ND	ND	ND		ND						
	ortho-Xylene	1				Monitorin	ND	NT	NT		ND						
	para-Xylene & meta-Xylene	1				2	ND	NT	NT		ND						
	Styrene	1				>	ND	ND	ND		ND						
	Tetrachloroethene	1				θ	0.97	ND	ND		ND	2.74	2.42	3.01	3.83	3.05	
	Toluene	1				Ð	ND	ND	ND		ND						
	trans-1,2-Dichloroethene	1				7	ND										
	trans-1,3-Dichloropropene					~	ND										
	trans-1,4-Dichloro-2-buten						ND	ND	ND		ND						
	Trichloroethene						ND	ND	ND		ND	ND	ND	ND	ND	ND	1.17
	Trichlorofluoromethane						ND	ND	ND		ND						
	Vinyl Acetate	1					ND	ND	ND		ND						
	Vinyl Chloride	1					ND	ND	ND		ND		ND	ND	ND	ND	ND
	Xylene (Total)						NT	ND	ND		NT	NT	ND	NT	NT	NT	NT

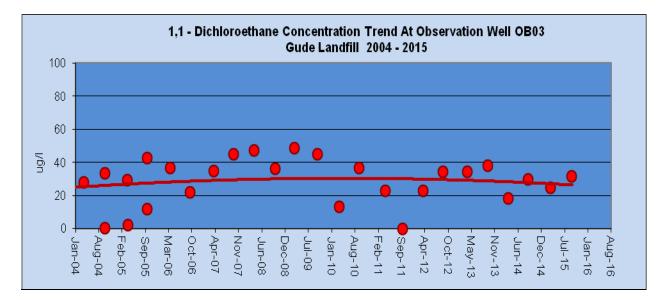
Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F
Location	1,1,1,2-Tetrachloroethane	2000 0	2000 1	2003 0	20031	2010 0	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane						ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	-					ND	ND	ND		ND	ND	ND		ND	ND	ND
	1,1,2-Trichloroethane	-					ND	ND	ND		ND		ND	ND ND	ND	ND	ND
-	1,1-Dichloroethane						ND	ND	ND								ND
	•	4					ND	ND			ND		ND	ND	ND	ND	
	1,1-Dichloroethene	-					ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	4					ND	ND	ND		ND		ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	4				<u> </u>			ND		ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	-				Σ	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	4				20	ND	ND	ND		ND	ND	ND	NT	ND	ND	ND
	1,2-Dichloroethane	4				N	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	4				_	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	-				<u> </u>	ND	ND	ND		ND		ND	ND	ND	ND	ND
	2-Butanone	-					ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	2-Hexanone					σ	ND	ND	ND		ND		ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone						ND	ND	ND		ND		ND	ND	ND	ND	ND
	Acetone					Ě	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile					stalle	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Benzene	1				Ľ	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	1				S I	ND	ND	ND		ND	ND	ND	NT	ND	ND	ND
	Bromodichloromethane					Ë	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Bromoform						ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Bromomethane					40	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
<del>, ,</del>	Carbon disulfide					S	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
2	Carbon Tetrachloride						ND	ND	ND	ND							
MW1	Chlorobenzene					Wells	ND	ND	ND	ND							
<	Chloroethane					>	ND	ND	ND	ND							
	Chloroform	1					ND	ND	ND	ND							
	Chloromethane					-	ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1				D	ND	ND	ND	ND							
	cis-1,3-Dichloropropene	1					ND	ND	ND	ND							
	Dibromochloromethane						ND	ND	ND		ND		ND	ND	ND	ND	ND
	Dibromomethane					5	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Dichloromethane					L L L	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Ethylbenzene	1				- <u>-</u>	ND	ND	ND		ND		ND	ND	ND	ND	ND
	Methyl Iodide						ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether					0	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene					Monitorin	ND	NT	NT		ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene					2	ND	NT	NT		ND	ND	ND	ND	ND	ND	ND
	Styrene						ND	ND	ND		ND		ND	ND	ND	ND	ND
	Tetrachloroethene					e₹	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Toluene					ل ل	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	trans-1.2-Dichloroethene								ND		ND		ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene						ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	trans-1.4-Dichloro-2-buten						ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Trichloroethene						ND	ND	ND		ND		ND	ND	ND	ND	ND
	Trichlorofluoromethane						ND	ND	ND		ND		ND	ND	ND	ND	ND
	Vinyl Acetate						ND	ND	ND		ND	ND	ND	ND		ND	ND
	Vinyl Chloride						ND	ND									
	•								ND		ND		ND	ND	ND	ND	ND
	Xylene (Total)						NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT

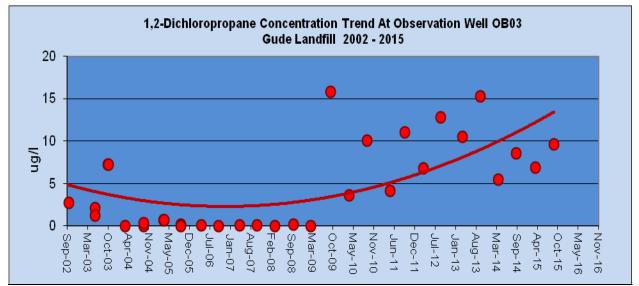
Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010	D-F	2011-	S	2011	-F	2012	2-S	2012-F	201	3-S	2013-F	2014-	S 12	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane		1				ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	1,1,1-Trichloroethane	1					ND		ND		ND		ND		ND	ND		ND	ND	_	ND	ND	ND
	1,1,2,2-Tetrachloroethane	1					ND		ND		ND		ND		ND	ND		ND	ND			ND	ND
	1.1.2-Trichloroethane	1					ND		ND		ND		ND		ND	ND		ND	ND			ND	ND
	1,1-Dichloroethane	4						17.90	ND	25			ND	16			19	19.9		5.8	13.7		
	1,1-Dichloroethene	4					ND		ND		ND	_	ND		ND 15.0	ND		ND 19.8	ND	_	ND	ND	ND ND
	1,2,3-Trichloropropane	4					ND		ND		ND		ND		ND	NT		ND	ND			ND	ND
	1,2-Dibromo-3-chloropropan	-				0	ND		ND	_	ND		ND		ND	ND		ND	ND			ND	ND
	1,2-Dibromoethane	-					ND		ND							ND						-	ND
		4				Σ	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	
	1,2-Dichlorobenzene	4				0					ND		ND		ND	ND		ND	NT		ND	ND	ND
	1,2-Dichloroethane	4				2		1.86			ND		ND		ND		2.35	1.74		2.06		2.2	
	1,2-Dichloropropane	4				~		4.80		6.6		4.4		5.4	5.64		6.94	3.08		6	6.22		
	1,4-Dichlorobenzene	4				2		3.54			ND			5.9	5.12		5.77	6.46		5.13	5.2		
	2-Butanone	-					ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	2-Hexanone	-				σ	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	4-Methyl-2-Pentanone	-				Ð	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	Acetone	-				Installed		0.72			ND		ND		ND	ND		ND	ND		ND	ND	ND
	Acrylonitrile	-				ā	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	Benzene	-				Ť		3.31		4.4		3.7		2.9			3.24	3.57		2.64	2.28		
	Bromochloromethane	4				S	ND		ND		ND		ND		ND	ND		ND	NT		ND	ND	ND
	Bromodichloromethane	4				Ĉ	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	Bromoform	4				_	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
A A	Bromomethane	4				10	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
<u>e</u>	Carbon disulfide	4					ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
Ś	Carbon Tetrachloride	4				ells	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
MW13	Chlorobenzene	4				<b>D</b>		1.01			ND		ND		ND		1.64	1		.81	1.66		
2	Chloroethane	4				Š		0.97			ND		ND		ND	ND		ND	ND		ND	ND	ND
	Chloroform	4					ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	1.17
	Chloromethane	4				δ		0.96		6.4		3.7	ND		ND	ND		ND	ND		ND	ND	ND
	cis-1,2-Dichloroethene	4						76.70		96				97	79.8		105	120	-	4.2	81.6		
	cis-1,3-Dichloropropene	4				<u> </u>	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	Dibromochloromethane	4					ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	Dibromomethane	4				0	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	Dichloromethane	4				Ť		8.07		10		9.2		3.2	6.02		6.49	4.04		.88	3.59		
	Ethylbenzene	-				2	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	Methyl Iodide	-				onitorin	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	Methyl Tertiary Butyl Ether	-				<u> </u>		0.61		3.1			ND		ND	ND		ND	ND		ND	ND	ND
	ortho-Xylene	-				Σ	ND		NT		NT		NT		ND	ND		ND	ND		ND	ND	ND
	para-Xylene & meta-Xylene	4					ND		NT		NT		NT		ND	ND		ND	ND		ND	ND	ND
	Styrene	4				2	ND		ND		ND		ND	_	ND	ND		ND	ND		ND	ND	ND
	Tetrachloroethene	-				Vev		22.20		17		25		28	25.7		27.8	24.2		1.7	18		-
	Toluene	-				<u>e</u>	ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	trans-1,2-Dichloroethene	4				Ζ		3.26		7.3		6.2		3.5			4			3.31	3.14		
	trans-1,3-Dichloropropene	-					ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	trans-1,4-Dichloro-2-buten	-					ND		ND		ND		ND		ND	ND		ND	ND	_	ND	ND	ND
	Trichloroethene	-						26.90		23		28		32	30.2		33.9	37.1		8.3	28.9		
	Trichlorofluoromethane	-					L	1.50		3.8		4.6			ND	ND		ND	ND		ND	ND	ND
	Vinyl Acetate	-					ND		ND		ND		ND		ND	ND		ND	ND		ND	ND	ND
	Vinyl Chloride	-						11.10		14		18		8.6	8.58		10.1	9.83		.14	6.74		
	Xylene (Total)						NT		ND		ND		ND		NT	NT		ND	NT	1	ΝT	NT	NT

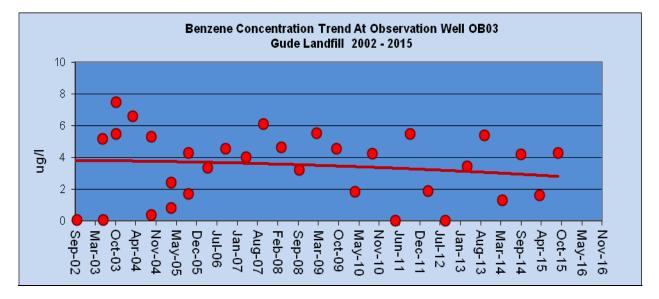
Location	Parameter	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	201	11-F	2012	2-S	2012-F	201	3-S	2013-F	2014-S	2014-F	2015-S	2015-F
	1,1,1,2-Tetrachloroethane						ND	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND
	1.1.1-Trichloroethane	1					ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane						ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
	1.1.2-Trichloroethane	1					ND	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND
	1,1-Dichloroethane	1					17.80		ND			15			17.2	16.6				
	1,1-Dichloroethene	1					ND	ND	ND		ND		ND	ND			ND	ND	ND 12.	ND 12
	1,2,3-Trichloropropane	1					ND	ND	ND		ND		ND	NT			ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	1					ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
	1,2-Dibromoethane	1				<u> </u>	ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
	1.2-Dichlorobenzene	4				Ξ		ND	ND		ND		ND	ND		1.09		ND	ND	ND
	1,2-Dichloroethane	4				20		ND			ND		ND	ND	2.87	2.52	2.5			
	1,2-Dichloropropane	-				<b>N</b>	-	ND	_	4.0 7.4								5.44		
	1,4-Dichlorobenzene	-				~		ND	ND			7.5	<b>7.7</b> 3 9.67		8.01 10.2	7.87 11.5	6.96 9.56			
	2-Butanone	-				<u> </u>	ND 0.00	ND	ND		ND									ND 7.91
	2-Butanone	-					ND	ND	ND		ND		ND ND	ND ND			ND ND	ND ND	ND ND	ND
	4-Methyl-2-Pentanone					σ	ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
	Acetone					Û	0.87		5 ND		ND		ND	ND			ND	ND	ND	ND
	Acrylonitrile	-				stalle	0.87 ND	ND 3			ND		ND	ND		ND ND	ND	ND	ND	ND
	Benzene	-				B		ND	UNI	6.3	UVI	4.6		UND				3.28		
	Bromochloromethane	-				Ť	ND 3.50	ND	ND		ND		ND	ND	4.56	4.17 ND	3.61 NT	3.28 ND	ND 3.1	8 2.96 ND
	Bromodichloromethane	-				S	ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
	Bromoform	-					ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
	Bromomethane	-				_	ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
B	Carbon disulfide	-				S	ND	ND	ND		ND		ND				ND	ND	ND	ND
13	Carbon Tetrachloride	-					ND	ND	ND		ND		ND	ND ND			ND	ND	ND	ND
Ż	Chlorobenzene	-							ND		ND		ND	ND	2.03	2.29				
MW1	Chloroethane	4				Well		ND	ND		ND		ND	ND			ND	ND	ND	ND 1.75
2	Chloroform	-				2	ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
	Chloromethane	-					0.76		6 ND		ND		ND	ND		ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	-				δ	101.00		9 ND			110	8		102	109	83.5			
	cis-1,3-Dichloropropene	-					ND	ND 3.	ND		ND	-	-		-		83.3 ND	79.5 ND	79.	6 73.5 ND
	Dibromochloromethane	4					ND	ND	ND		ND		ND ND	ND ND			ND	ND	ND	ND
	Dibromomethane	4				<u> </u>	ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
	Dichloromethane	-				0		ND	IND		ND	4.2		-	7.2	6.55	5.62	5.53		
	Ethylbenzene					<u> </u>	ND	ND	ND	11	ND		5.9: ND	ND			5.62 ND	0.03 ND	4.0 ND	4 4.71 ND
	Methyl Iodide					onitorin	ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
	Methyl Tertiary Butyl Ether							ND	ND		ND		ND	ND			ND	ND	ND	ND
	ortho-Xylene						ND 0.90	NT	NT		NT		ND	ND			ND	ND	ND	ND
	para-Xylene & meta-Xylene					Š	ND	NT	NT		NT		ND	ND			ND	ND	ND	ND
	Styrene						ND	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND
	Tetrachloroethene					2	22.70		שאון	27		30	ND 26.	-	27	<u>24.2</u>	21.1	16.8		
	Toluene					θ	ND	ND	ND		ND		20.: ND	ND			21.1 ND	ND	ND	0 13.2 ND
	trans-1,2-Dichloroethene					¥		ND		7.3		4.3			4.22	4.18				
	trans-1,3-Dichloropropene	-				2	ND 4.4	ND	ND		ND		ND	ND			ND 3.31	ND 3.0	ND 3.0	ND 2.69
	trans-1,4-Dichloro-2-buten						ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
	Trichloroethene	-					32.00		UNI							34.5				
									_	<b>28</b> 4.7		<b>32</b>		<b>,</b>	<b>29.5</b> 1.27		22.9 ND	20.2	1 ND	9 20.7 ND
	Trichlorofluoromethane	-						ND				_	ND	NID						
	Vinyl Acetate	-					ND	ND	ND		ND		ND	ND			ND	ND	ND	ND
	Vinyl Chloride	-					17.20			25		12			11.4	9.96	8.49	10.8		
	Xylene (Total)						NT	ND	ND		ND		NT	NT		ND	NT	NT	NT	NT

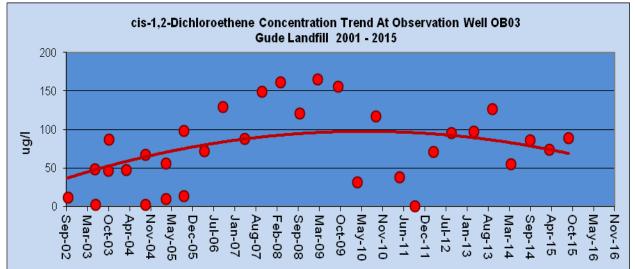
# Appendix C Volatile Organic Compounds Trend Analysis

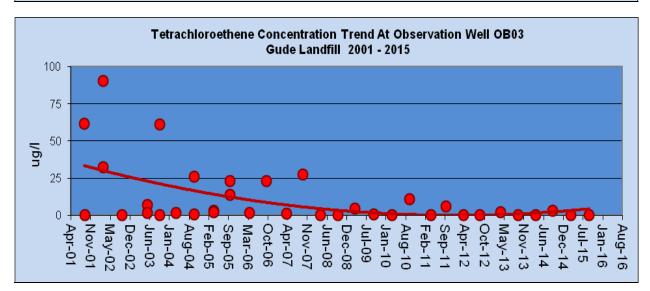
The following graphs provide Historical Trend Analysis for those VOC compounds that are consistently detected at specific monitoring locations. These historical trend analyses do not include the monitoring locations installed in 2010. (Please refer to Tables 1 and 2 for additional information.)

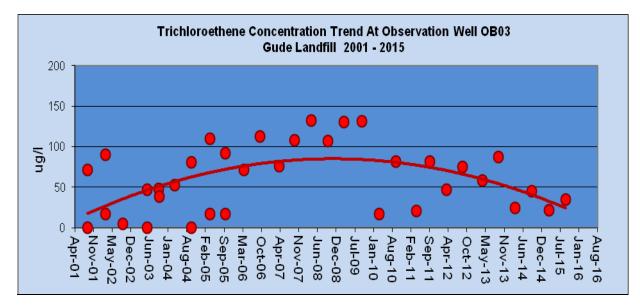


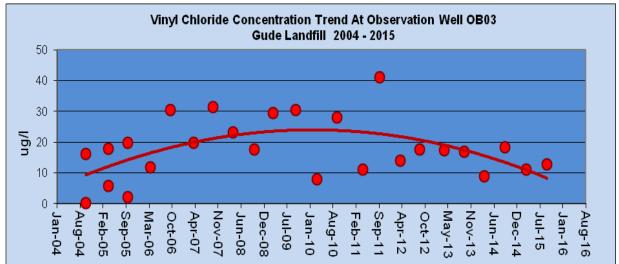


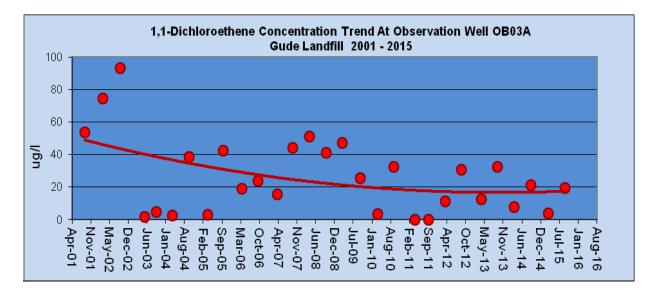


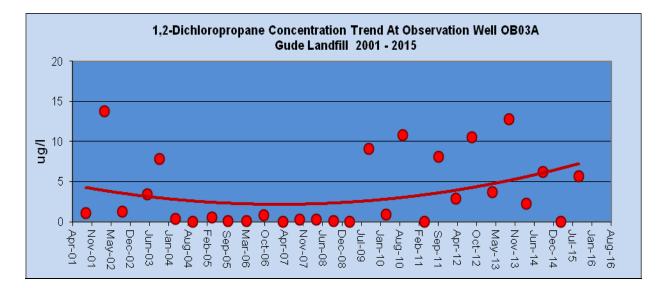


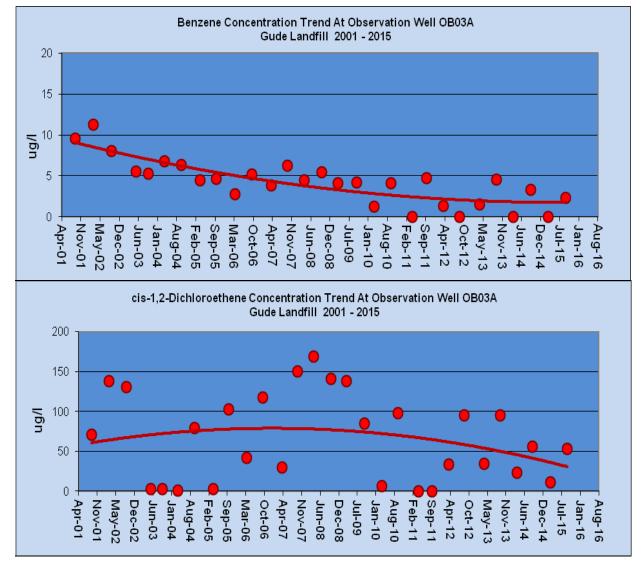


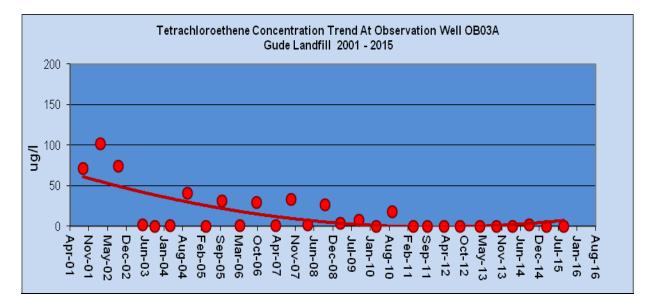


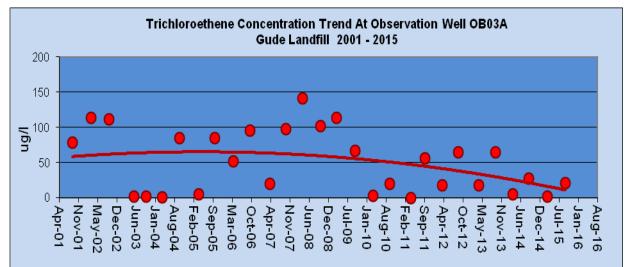


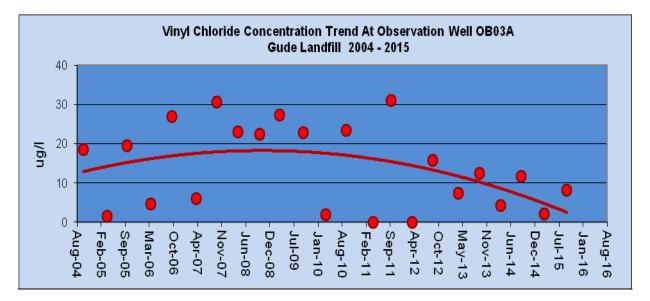


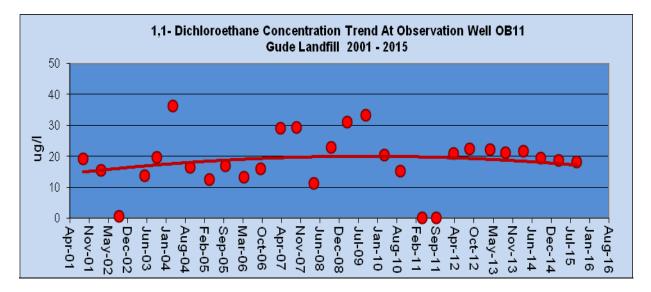


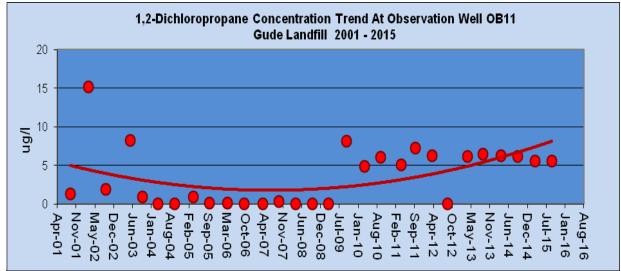


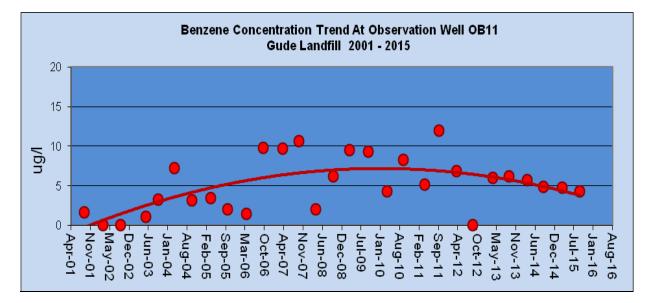


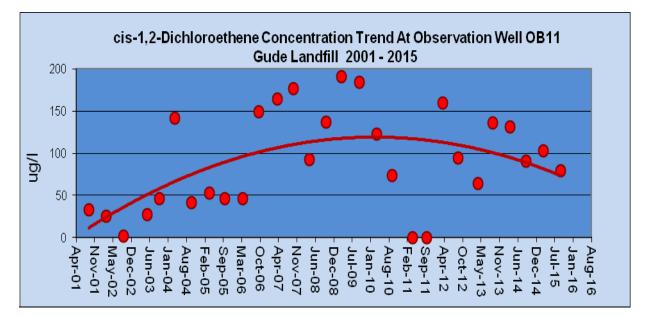


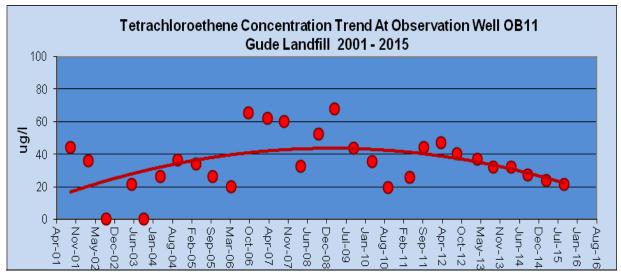


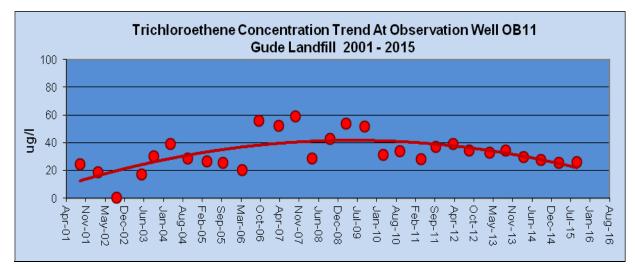


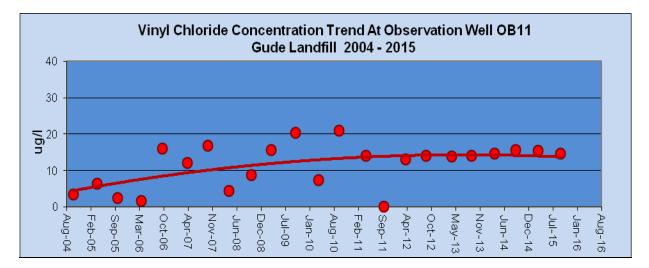


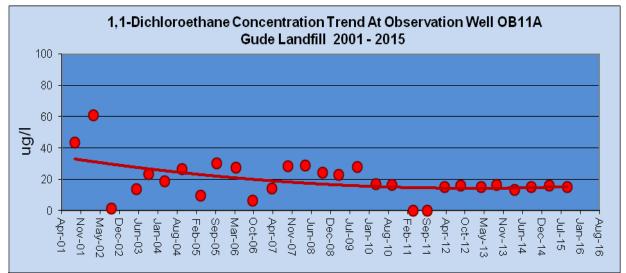


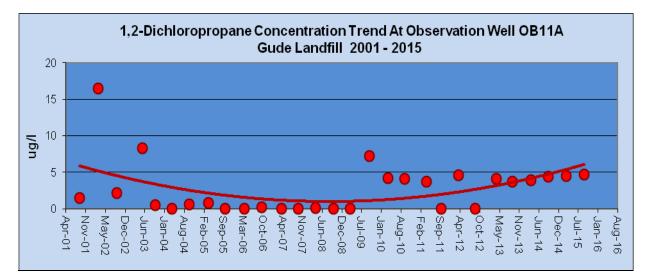


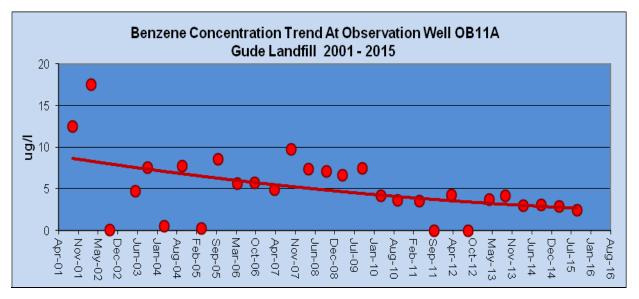


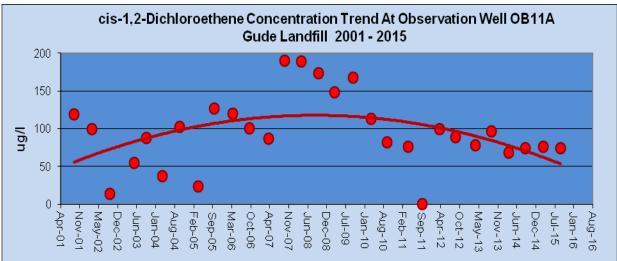


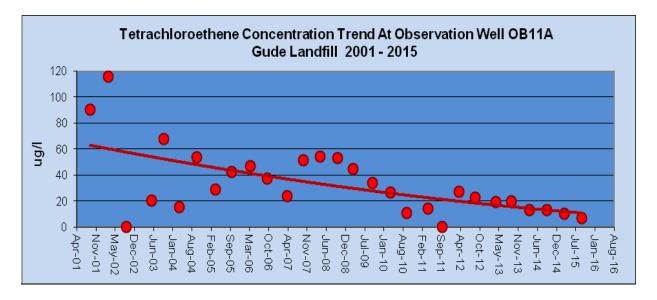


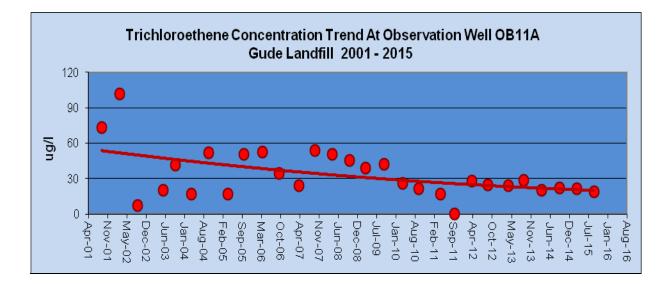


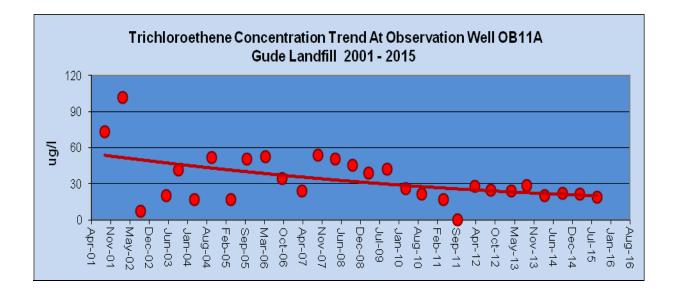






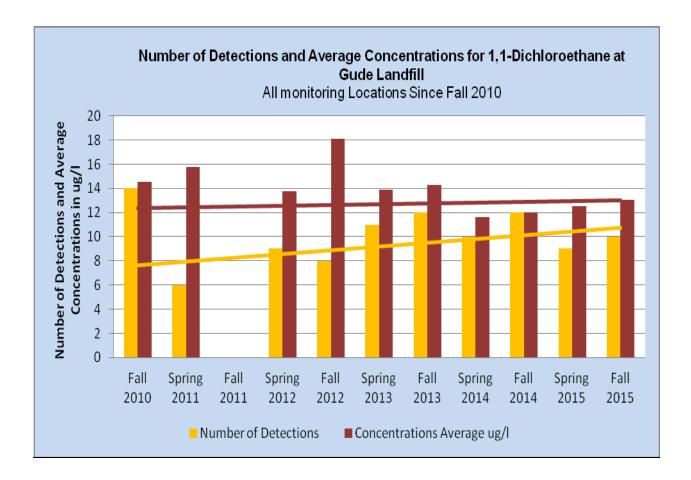


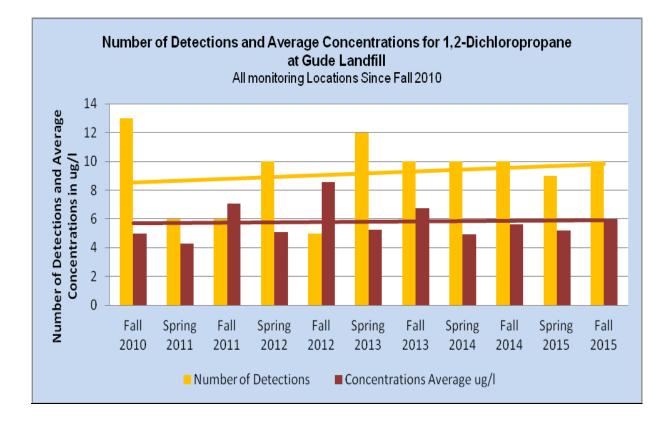


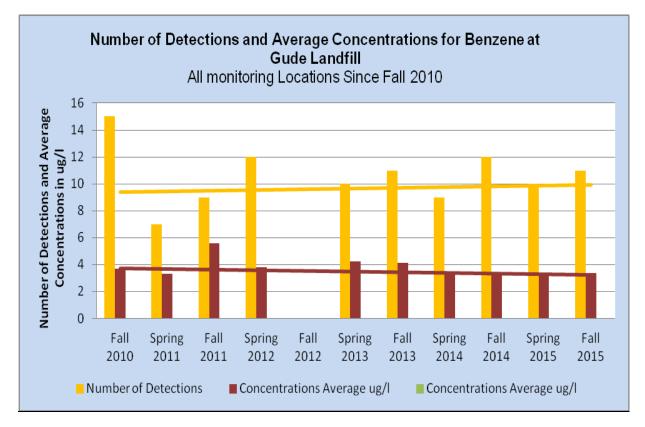


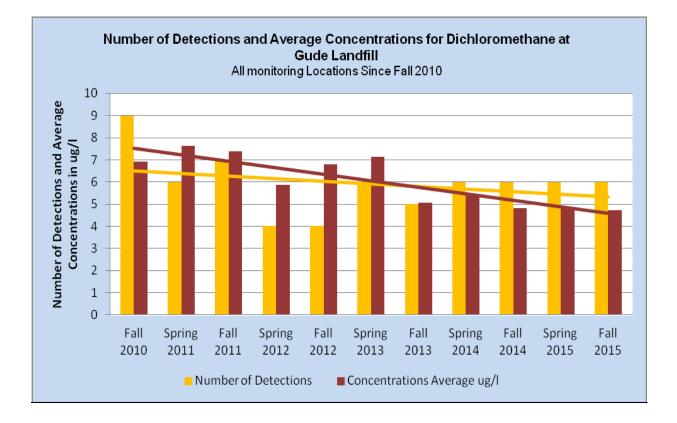
#### The following graphs provide Historical Trend Analysis for particular VOC compounds that are detected on regular basis at the Landfill since 2010.

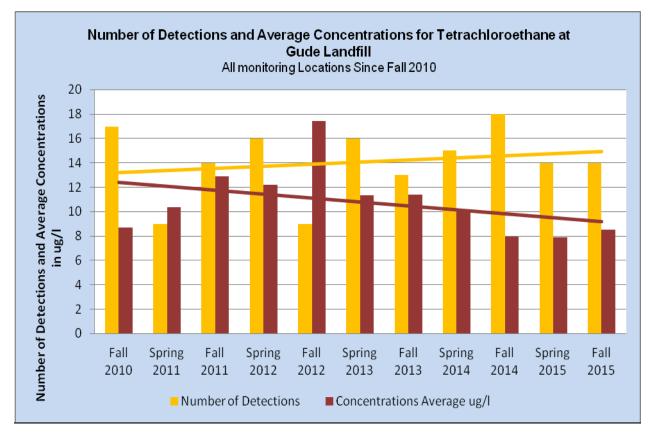
(These trend analyses are for all the monitoring wells including those installed in 2010. Please refer to Tables 1 and 2 for additional information.)

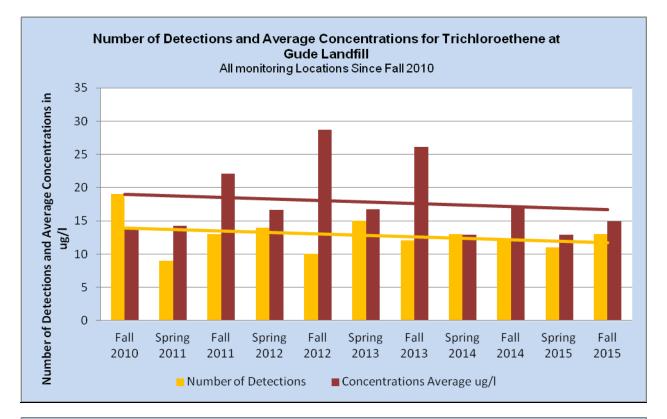


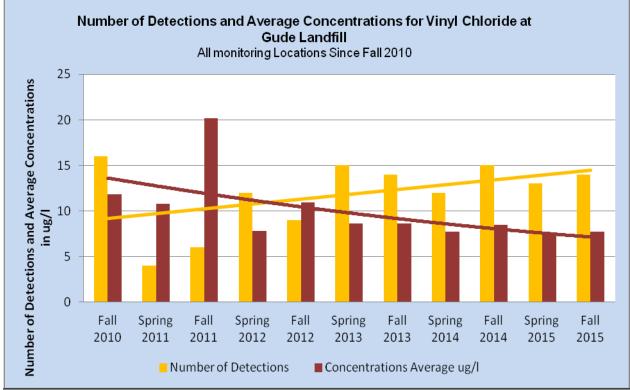












# Appendix D

## **Tables of Metals**

Results in (mg/l)

Metals and Other Water Quality Parameters

Monitoring Location	Parameter	OB01	OB02	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB102	OB105	OB11	OB11A	OB12	0B15	0B25	ST015
	Alkalinity	81	72	32	213	292	250	1250	197	184	119	215	221	116	1040	1250	202	285	125	33	316	154
	Ammonia	ND	ND	ND	2.77	4.64	0.826	0.368	ND	ND	ND	ND	ND	ND	14.6	42.5	ND	0.356	ND	ND	ND	0.233
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
	Arsenic	ND	ND	ND	0.003	0.004	0.008	0.008	0.005	0.002	0.003	ND	0.003	ND	0.008	0.007	0.002	0.002	ND	ND	ND	ND
	Barium	0.24	0.12	0.3	0.52	0.25	0.28	0.059	0.17	0.038	0.043	0.13	0.047	0.047	0.35	0.39	0.023	0.18	0.014	0.051	0.071	0.063
	Beryllium	ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	0.012	0.003		ND	ND	ND
esults	Calcium	95		80		78	180	130	140	130	87	64	49	62	120	140	130	100	39	9.5	81	70
n s	Chloride	430	101	299	202	180	503	544	372	206	254	37.5	60.8	147	563	339	394	325	80.7	5.96	147	806
	Chromium	ND	0.007	0.003		ND	ND	0.15		ND	0.003		0.005		ND	0.009	0.005		ND	ND	0.008	
R	Cobalt	0.013		ND	0.056	0.034	ND	ND		ND	ND	ND	0.017	0.005	0.074	0.019	ND	0.025		ND	0.009	
15	COD	ND	ND	ND	18.3	18.4	33.1	35.6	43.2	11.3	16.6		ND	ND	87	135	29.3	31.3		ND	20	
20	Copper	0.004	0.004	0.004	0.002	0.001	0.036	0.03	0.005	0.005	0.002			ND	0.041	0.021	0.004	0.005		0.002	0.004	0.006
	Iron	ND	1.4	0.62	21	-	ND	0.5	0.64	0.78		0.031	4.4	0.4	0.35		ND		ND	1.9	0.79	0.44
PRING	Lead	ND	ND	ND		ND	ND	ND	ND ==	0.001	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
	Magnesium	61	17	42	40	46	89	89	55	36	50	14	21	34	96	150	76	76	25	15		
E E	Manganese	5.3	0.84	0.031	19	6.6	2.6	1.6	0.47	0.15	0.094	5.2	6.8	3.7	19	3.1	0.86	7.8	0.1	0.028	14	
S	Mercury	2E-04		ND	ND	ND	ND	ND	ND	3E-04	0.001	ND	ND	ND	ND	3E-04	0.003		ND		ND	ND
<u> </u>	Nickel	0.04	ND	ND		ND	ND	ND	0.014	0.005	0.009	0.008	0.011	0.011	0.1	0.004	0.04	0.04	0.009	0.006	0.022	0.013
fil	Nitrate pH	2.47	ND			1.49	ND	ND	0.59	0.846	1.01	ND	ND	ND	ND	ND	ND	ND	0.74	1.78	2.22	1.14 8.01
andfill		5.77 5.1	6.66 4.1	5.49 3.5	5.81 7	7.1 15	6.07 7.4	6.41 5.3	6.31 4.4	6.63 3.7	6.34 2.4	7.07	6.61 2.8	6.09 3.4	7.07 51	89	6.16 5.3	6.42 5.9	5.81 3.1	6.26 1.7	6.83 14	
ar	Potassium Selenium	ND 3.1			,	ND 15	0.027	0.028	4.4 0.014	0.009	0.011	-		3.4 ND	0.021	0.013	0.005		ND 3.1			7.7 ND
	Silver	ND		ND		ND	0.027 ND	0.020 ND	0.014 ND	0.003 ND	ND	ND	ND	ND	0.02 I ND	0.013 ND	0.003 ND	ND	ND	ND		ND
de	Sodium	120	13	26		96	65	94	100	21	24	25	32	21	490	320	77	95	27	20		
Gude	Spec. Cond.	1391	388.5	851.1	824.4	1021	1685	1577	313.4	874	856.8	406.8	468.1	589.7	1902	2920	1352	1276	444.7	202.3	959.8	2406
0	Sulfate	26.5	7.29	17.5	32.2	92.4	20.2	1077	89.9	26.9	29.7	7.65		ND	65.3	137	10.7	12.5	16	79	47.5	20.9
	TDS	960	286	644	584	706	1112	1088	970	636	606	352	326	424	2066	1792	920	908	338	192	666	
	Thallium	ND		ND	0.001	0.002	ND	ND		ND	ND	ND	ND	ND	ND	-	ND	ND	ND	-	ND	ND
	Total Hardness	520	170	432	404	440	764	694	586	450	434	220	264	276	724	424	650	300	202	112	440	246
	Turbidity	0	23.9	5.4	0	10	0.6	0	35.5	24.1	0	0	1.5	0	15.4	258.3	0	0	0	22.1	14.4	15.9
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	0.016	ND	ND	ND	ND	ND	ND
	Zinc	0.013	ND	0.013	0.013	0.005	0.006	0.024	0.019	0.009	ND	0.006	0.008	ND	0.011	0.076	0.044	0.022	ND	0.034	0.009	0.019

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

## **Metals and Other Water Quality Parameters**

Monitoring Location	Parameter	ST120	ST65	ST70	ST80	MW1B	MW2A	MW2B	MW3A	MW3B	MW04	MW06	MW07	MW08	60MW	MW10	MW11A	MW11B	MW12	MW13A	MW13B
	Alkalinity	56	65	121	33	45	30	31	17	94	50	201	62	266	28	61	23	72	7.5	32	212
	Ammonia	ND	ND	0.393		ND		ND													
	Antimony	ND																			
	Arsenic	ND																			
	Barium	0.047	0.039	0.061	0.043		0.012	0.012	ND	ND	0.034	0.31	0.058	0.089	0.069	0.064	0.032	0.021	0.44	0.18	0.07
	Beryllium	ND	ND		ND																
	Cadmium	ND																			
esults	Calcium	28	23	46		6	4.6	5.7	3.1	26	40	83	40	88	4.6	15		16	47	23	86
, n	Chloride	332	273	229	177	3.66	2.69	3.18	ND	ND	143	372	124	134	70.3	6.22	4.87	6.77	267	90.8	99.8
ese l	Chromium	ND		ND	0.014	0.004	0.004	0.01	ND	0.01	0.005	ND									
2	Cobalt	ND	ND	ND	ND	ND		ND	ND	ND	ND	0.59	ND	0.009	ND						
5	COD	ND	10	ND	12.9	ND	12.5	ND													
201	Copper	0.003	0.004	0.003	0.003	0.003	ND	ND	0.003	ND	ND	0.017	0.007	0.003	0.004	0.005	0.005	0.002	0.011	0.005	0.001
	Iron	0.47	0.57	0.39	1		0.059	0.017	2.2	0.24	0.7	8.3		ND	3	2	4.7	1.8	3.8		ND
PRING	Lead	ND	ND			ND	ND	ND	ND	ND		ND	ND	ND	0.002		0.002	ND	0.002	ND	ND
	Magnesium	13	12	21	7.3	4.1	2.8	3	1.8	3.6	25	60	23	48	4.5	7.1	3.6	8.8	24	17	29
	Manganese	0.14	0.12	0.32	0.13	0.022	0.17	0.052	0.059	0.011	0.091	48	0.95	ND	0.088	0.036	0.057	0.031	0.11	0.27	0.026
SI	Mercury	ND	2E-04																		
	Nickel	ND	0.009	0.011	0.006	ND	ND	ND	ND	ND	ND	0.57	ND	ND	0.005	0.006	0.01	ND	0.014	ND	ND
Landfill	Nitrate	1.61	1.15	1.35	1.27	ND	ND	ND	ND	ND	0.621	ND	4.2	11.59	0.839	ND	1.22	3.02	3.94	1.55	3.31
đ	pН	7.64	7.53	7.72	7.62	6.52	5.72	5.7	5.98	7.49	5.96	6.55	5.81	7.83	5.7	5.95	5.7	6.77	5.2	5.12	6.7
l la	Potassium	2.8	3.3	5.5	3	1	1.4	1.4	1.3	1.5	3	3.5	2.8	11	1.8	1.3	1.1	1.1	4.1	2.3	3.4
Ľ	Selenium	ND	ND		ND	ND		ND	ND	ND		ND									
e	Silver		ND		ND	ND		ND		ND	ND	ND	ND	ND	ND						
Gude	Sodium	210	150	130		7.2	4.2	4.8	3.3	12	30	76	28	71	50	8.8	3.7	9.6	88	13	17
Ū	Spec. Cond.	1092	813.1	862.9	541.2	70.9	54.2	29.4	33.4	184.6	487.3	1320	174.4	951.2	269.8	132.3	57.4	74.1	783.6	319.4	615.2
	Sulfate	14	13.5	20.4	8.62		ND	ND	ND	11.6	5.37	77.2	21.4	120		11.3	6.75		18.8		11.4
	TDS	740	470	574	362		72	80	74	142	442	926	398	656	188	68		106	620	228	472
	Thallium	ND	ND		ND	ND		ND	ND	ND		ND	ND	ND		ND	ND	ND	ND	ND	ND
	Total Hardness	138	120	200	-	40		34	30		212	104	210	444	36	76		86	204	220	368
	Turbidity	5.8	7.5	1.8		1.2		0.4	38	4.4	13.3	11.2	0	7.5	154.3	115.5	-	34.2	94.3	42.7	0.7
	Vanadium	ND	ND		ND	ND		ND	0.006	0.009	0.007	ND	0.005								
	Zinc	0.008	0.01	0.014	0.007	0.007	ND	ND	0.008	ND	0.006	0.048	ND	ND	0.022	0.035	0.011	0.005	0.041	0.017	ND

NT: Not Tested

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Note: MCL exceedances are indicated in Red

Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	104	95	103	93	112	100	73	80	66	86	77	81
	Ammonia	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	NT	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.1381	0.1348	0.1286	NT	0.1465	0.164	0.162	0.169	0.182	0.191	0.214	0.171	0.185	0.184	0.231	0.276	0.24
	Beryllium	ND	ND	ND	NT	ND			ND	ND	ND	ND	ND	ND		ND	ND	ND
	Cadmium	NT	NT	NT			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT		NT	64.9	67.6	68.2	76.2			69.1	73.3	73.4	86.6	89.2	95
	Chloride	NT	NT	NT	NT	NT	196	204	241	262	291	322	284	291	303	379	411	430
_	Chromium	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
B01	Cobalt	0.0094	0.0039	0.0071		ND	0.009	0.0084	0.0101	0.0147	0.0289	0.0219		0.0111	0.00681	0.012	0.0148	
B	COD		NT				ND	ND	5.1		ND	-	ND	ND		ND	ND	ND
0	Copper	0.0104	0.0071	0.0072		ND	0.007	0.0096	0.0094	0.0063	0.00645	0.0119		0.0148			0.00868	0.0042
or	Hardness					NT	330	320	350	364	390	420		346	356		472	520
ati	Iron							ND	0.469	0.837	0.515	1.6		0.458	0.541	0.55	0.675	
ocation	Lead		ND		NT	· · -			ND	ND	0.0054		ND	ND		ND		ND
Γo	Magnesium					NT	36	40.3	38.9	45.3		48.58	38.6	45	44		53	61
	Manganese				NT	NT	2.77	3.17	3.95	5.07	7.98	6.33	3.74	3.8			5.72	5.3
Monitoring	Mercury		ND		NT		ND		ND	ND	ND	0.00036		ND		ND	ND	0.00021
Dri	Nickel	0.0194	0.0182		NT	0.0182	0.026	0.0264	0.0304	0.0307	0.0381	0.0406	0.0319	0.0324	0.0258	0.0313	0.0387	0.04
ite	Nitrate					NT	1.67	1.94	1.907	1.79	1.34	1.56	2.13	2.21	2.28	2.28	2.11	2.47
u u	pН				NT	NT	5.82	5.08			5.51	5.62	5.14	5.87	5.46		5.65	
м	Potassium				NT	NT	3.52	3.64	3.36		3.78		3.85	4.55	3.95		4.43	5.1
_	Selenium				NT				ND	ND	ND			ND		ND		ND
	Silver				ND				ND	ND	ND		ND	ND		ND	ND	ND
	Sodium				NT	NT	47.4	54.5	51.8	58.2	66.3	77.79		73.6	63.5	94.1	95.4	120
	Spec. Cond.		NT		NT	NT	855.9	920.7			980.9	1218	1060	1223	1052	1293	1379	1391
	Sulfate				NT	NT	26.4	24.9	26.6	26.8		26.1	24.2	22.3	25.7	26.5	28	
	TDS				NT	NT	776	912	1176	856		876		980	840		940	
	Thallium		ND		NT		ND		ND	ND			ND	ND		ND		ND
	Turbidity					NT	0.186	0.18	0.98	1.96			NS	1.4	3.6		0.1	0
	Vanadium		ND		NT			ND	ND	ND	ND		ND	ND	ND	ND		ND
	Zinc	0.0157	0.0084	0.0161	NT	0.012	ND	0.013	0.0107	0.0116	0.0128	0.0163	0.0112	0.0118	0.012	0.0133	0.0174	0.013

NT: Not Tested

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ND: Not Detected

Note: MCL exceedances are indicated in Red

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	67	57	72	70	72	68	68	67	65	67	66	72
	Ammonia	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.2817	0.2464	0.1635	0.1338	0.1568	0.296	0.344	0.126	0.531	0.0771	0.0702	0.427	0.05	0.0524	0.0575	0.0636	0.12
	Beryllium	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium		NT	NT	NT	NT	60.6	73.9	39.1	72.2	28.2	28.37	103	20.9	23.6	23.3	23.6	35
	Chloride		NT	NT	NT	NT	212	264	90	47.3	51.1	49.9	404	27.8	32.2	24.3	44.8	101
	Chromium		ND	ND	ND		ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	0.0072
OB02	Cobalt	0.0065	ND	ND	ND	ND	0.0057	0.0071		0.0587	ND	ND	ND	ND	ND	ND	ND	ND
B	COD		NT	NT	NT		ND	ND	ND	ND	ND	ND	ND	34.6	ND	ND	ND	ND
	Copper	0.008			0.0074		0.006	0.0103		ND	ND	0.00631	ND	0.0106		0.00863	ND	0.0044
or	Hardness		NT	NT		NT	350	376		130	125		500		98		118	
Monitoring Location	Iron		NT	NT	NT	NT	2.66	2.59		25.2	0.768	1.18	0.586	0.725	1.01	3.27	0.922	1.4
Ö	Lead		ND	ND	ND		ND	2.33 ND		ND		ND	ND	ND	ND	ND	ND	ND
Ľ	Magnesium		NT	NT		NT	32.2	43.3		59.3		11.97	59		9.94		10.6	
b	Manganese		NT	NT		NT	1.21	1.34		10.1	0.876	0.919		0.6			0.699	
rir	Mercury		ND	ND	ND	ND	ND	ND		ND		ND	ND		ND		ND	ND
to	Nickel	0.0088	0.0062	0.0028	ND	0.0021	0.0082	0.011	ND	0.0168	ND	ND	0.0141	ND	ND	0.00559	ND	ND
'n	Nitrate	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	0.575	ND	ND	ND	ND	ND
٩٥ ١	pН		NT	NT	NT	NT	8.27	5.35			6.71	6.94					7.1	6.66
~	Potassium		NT	NT		NT	5.91	7.07	4.43								3.27	4.1
	Selenium		ND	ND	ND		ND			ND		ND	ND		ND		ND	ND
	Silver		ND	ND	ND		ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium		NT	NT		NT	22.6	30.6	17.8	111		15.64	34.5	14.8				13
	Spec. Cond.		NT	NT	NT	NT NT	665	910.3	7 20	4.04	318.1	302.2	261.2	252.9	229.3		268	388.5
	Sulfate TDS		NT NT	NT NT		NT NT	13.5 780	14.9 1008	7.38 388	4.24		4.51 252	20.2 1124	5.14 152	4.79 174			
	Thallium		ND	ND	ND		ND 780			ND 330		252 ND	ND 1124		ND 174	ND 178	ND	200 ND
	Turbidity		NT	NT	NT	NT	10.3	6.4				NT	NS	7.5			10.5	
	Vanadium		ND	ND	ND		ND	ND 0.4	ND 2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND L0.0
	Zinc	0.017	0.0176		0.0074		ND	0.0187		0.00773	0.00643	0.00627	0.0086		0.00616		0.00818	
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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	38	36	40	35	36	36	33	33	34	33	37	32
	Ammonia	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	NT	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.2861	0.1479	0.2413	0.1676	0.2743	0.354	0.297	0.345	0.349	0.397	0.356	0.0568	0.385	0.439	0.399	0.436	0.3
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	77.5	76.4	87.1	82.9	96.3	94	24.7	90.3	112	88.9	91.2	80
	Chloride	NT	NT	NT	NT	NT	280	286	310	302	350	334	36	335	419	359	383	299
▼	Chromium	ND	ND	ND	ND	ND	ND		ND	ND		ND	ND	ND	ND	ND	ND	0.0033
B02,	Cobalt		ND			ND	ND		ND	ND		ND		ND	ND		ND	ND
B	COD		NT			NT	ND		ND	ND		ND		ND	ND		ND	ND
0	Copper	0.0062	0.0103	0.0045	0.0061	0.0064	0.0054	0.0075		0.0053			ND	0.0112			ND	0.0035
L L	Hardness					NT	390		420	391	463	414		426			498	432
ocation	Iron		NT			NT	0.414				0.58	0.396	0.793	0.486		0.574	0.567	0.62
, at	Lead		ND			ND	ND		ND	ND		ND	ND	ND			ND	ND
ŏ	Magnesium		NT			NT	46.4	44.4	52.3	53.4	59.1	53.1	10.6	52.4	66.7	49.2	54.3	42
	Manganese		NT			NT	0.0381	0.0382	0.0449	0.0513	0.0465	0.0449	0.718	0.0418	0.0548		0.0503	
ງດີ	Mercury		ND			ND	ND		ND	ND		ND		ND	ND	ND	ND	ND
ri	Nickel	0.0082	0.0092	0.0059	0.0077	0.0073	0.0122	0.0099	0.012	0.011	0.0114	0.0135		0.0116	0.0129		0.0125	
Monitoring	Nitrate					NT	0.5894	0.582	0.589	0.543	0.576	0.582		0.623	0.616		0.614	0.625
ni.	pН					NT	5.75				5.09	5.41	5.25	5.7			5.77	5.49
9	Potassium		NT			NT	4.73			5.2		4.82	3.56	5.24			4.95	
2	Selenium		ND			ND	ND		ND	ND		ND		ND			ND	ND
	Silver		ND			ND	ND		ND	ND		ND		ND			ND	ND
	Sodium		NT			NT	31.2	32.5	35	31.6		37.5		35.9			36.8	26
			NT			NT	636.7	925.5			1263	1120		1286	1327	1125	1249	851.1
	Sulfate		NT			NT	22.4	16.2	25.4	17.8	-	18.4	4.91	19.3		22.5	22.9	17.5
	TDS		NT			NT	1088		1192	288			176	796			826	_
	Thallium		ND			ND	ND		ND	ND		ND		ND			ND	ND
	Turbidity		NT			NT	3.83			0.416		NT	NS	0	Ŭ		1.4	
	Vanadium		ND			ND	ND		ND	ND		ND	ND	ND	ND		ND	ND
	Zinc	0.0068	0.0156	ND	ND	0.0131	ND	0.00713	0.0081	0.00823	0.00783	0.00652	0.00607	0.00696	0.00883	0.00758	0.00972	0.013

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	265	321	242	267	216	187	241	221	233	212	227	213
	Ammonia	NT	NT	NT	NT	NT	2.39	6.46	2.9	4.97	2.56	3.48	2.43	2.7	2.29	3.45	3.15	2.77
	Antimony	ND	ND	ND	NT	ND	ND	ND										
	Arsenic	0.0023	0.0046	0.004	ND	ND	0.0024	ND	ND	0.0031								
	Barium	0.7963	0.9091	0.7536	0.5928	0.5995	0.588	0.856	0.592	0.736	0.58	0.697	0.571	0.573	0.598	0.554	0.536	0.52
	Beryllium	ND	ND	ND	NT	ND	ND	ND										
	Cadmium	NT	NT	NT	NT	NT	ND	ND										
	Calcium	NT	NT	NT	NT	NT	59.9	80.3	62.3	69	65.3	74.4	64.3	67.4	64.4	65.6	60.2	70
	Chloride	NT	NT	NT	NT	NT	134		155	220		222	169	192	157	201	194	202
~	Chromium			ND			ND		ND	ND		ND	ND	ND	ND		ND	ND
03	Cobalt	0.0674	0.0581	0.0556	0.053	0.0569	0.0643	0.0662	0.0659	0.0629	0.0554	0.0634	0.067	0.0531	0.0566		0.0522	0.056
B	COD			NT		NT	13.6	34.9	10.1	28.8		24.3	18		13.2		19.7	18.3
0	Copper	0.0064	0.0113	0.0066	0.0077	0.0978	0.0063	0.0084	0.0124	0.0076		0.0082		0.0113			ND	0.0019
cation	Hardness			NT		NT	690	700		3600	410	400		348	330		370	404
Iti	Iron			NT		NT	28.8	34.6	-	23.6	-	23.68		21.8	20.6	-	17.6	21
ů	Lead			ND		=	ND		ND	ND								
ΓŌ	0			NT		NT	33.2	52.8		47.1	41.1	42.7	37	35.2	38.6		35.3	40
	Manganese			NT		NT	18.5		-	18.5	_	19.6		19.5	19.4		20.6	19
Monitoring	Mercury			ND			ND		ND	ND	ND	0.00025		ND	0.00047		ND	ND
ori I	Nickel	0.019	0.0175	0.0168	0.0142	0.09	0.0183	0.0167	0.0197	0.0176		0.0215	0.0217	0.0174	0.0188		0.0165	
ite	Nitrate			NT			ND		ND	ND								
L L L	pH					NT	6.19	4.74			5.97	5.78	5.15	5.93	5.84		6.01	5.81
Ĕ	Potassium			NT		NT	10.2	10.9		10.1	7	7.95		9.31	5.77		7.12	7
_	Selenium			NT			ND		ND	ND	ND	0.00545		ND	ND		ND	ND
	Silver			ND	ND		ND	=	ND	ND	ND	ND 50.0	ND	ND 10.0	ND	ND 50.0	ND 10.0	ND
	Sodium			ND		ND	35.9	92.8		74.2		58.9	35.7	43.8	35.7	53.8	43.6	47
	Spec. Cond.			NT		NT	902	1405			814.1	1140	960.6	1138	887.2	1025	980.6	824.4
	Sulfate					NT	8.84	31.4	16.7	41.4		28.5		18.6	16.8		23.4	32.2
	TDS					NT	564	984	676	784		888		572	568		540	584
	Thallium		ND	0.0015			ND		ND	ND		ND		ND	ND		ND	0.0011
	Turbidity					NT	11		22.9	2.81		NT	NS	0	0		0	Ű
	Vanadium	ND	0.0023				ND		ND	ND	ND	ND	ND	ND	ND		ND	ND
	Zinc	0.0126	0.0253	0.0208	ND	0.0336	ND	0.0118	0.0165	0.0148	0.0141	0.0175	0.0148	0.0142	0.0154	0.0137	0.0166	0.013

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
A	Alkalinity	NT	NT	NT	NT	NT	317	461	270	340	226	266	268	338	260	278	257	292
Α	Ammonia	NT	NT	NT	NT	NT	6.47	8.93	4.35	7.91	5.09	6.15	4.51	6.67	4.18	6.76	4.96	4.64
Α	Antimony	ND	ND	ND														
A	Arsenic	0.0046	0.008	0.0032	0.0106	ND	0.0036	ND	ND	0.0035								
E	Barium	0.9942	0.658	0.5139	0.5699	0.593	0.568	0.421	0.581	0.0796	0.529	0.51	0.495	0.435	0.543	0.376	0.419	0.25
E	Beryllium	ND	ND		ND		ND	ND	ND	ND								
C	Cadmium	NT	NT	NT	NT	NT	ND	ND										
C	Calcium	NT	NT	NT	NT	NT	69.4	91.6	66	24.8	68.5	76	62.3	70.9	67.2	62.8	58.6	78
C	Chloride	NT	NT	NT	NT	NT	194	164	176	239	193	245	185	229	177	217	213	180
	Chromium	ND	ND	ND			ND	ND		ND			ND		ND			ND
B03,	Cobalt	0.084	0.0608	0.0609	0.0617	0.063	0.0698	0.0458	0.0684	ND	0.0563	0.057	0.0672	0.0441	0.0561	0.047	0.0496	0.034
	COD	NT	NT	NT		NT	19.1	38.5	12.1	35	22.5	31.1	19.5	52.1	17.5	19	21.1	18.4
	Copper	0.0101	0.0079	0.0056		ND	0.0064	0.0084	0.008	0.0108		0.00958		0.011			ND	0.0013
⊆ ⊢			NT			NT	700	670	360	580	375	.=•	350	400	360	560	190	440
ocation						NT	39.4	49.3	_	2.71	-	29.85	26.5	29.6			20.6	13
⊔ äi				ND			ND	ND	ND	ND	ND				ND			ND
8	0					NT	44.4	66.8		15.8		52.7	39.3	51.4	43		37.6	46
	0			NT		NT	13.3	6.35	-	0.982	14.2	13.7	15.4	11.2	16	-	15	6.6
<u> </u>	Mercury		ND	ND			ND	ND		ND	ND	=	ND	ND	ND			ND
Monitoring	Nickel	0.0219	0.0166	0.0164	0.0166	0.016	0.02	0.0157		ND	0.0158	0.0185	0.021	0.0142	0.0181	0.0162	0.015	
<u> </u>							ND	ND	ND	ND	ND		ND	ND	ND		ND	1.49
i i p						NT	5.76	4.98			6.03	6.04	5.2	6.29	5.34	6.03	6.16	
	Potassium					NT	12.4	19.2	9.18			-	9.64	16.6	-	15	10	
	Selenium	0.003		ND		ND	0.0024			ND	ND	0.00586			ND			ND
				ND			ND	ND		ND	ND		ND	ND	ND			ND
				NT		NT	70.3	132	58.5	14.4	70.5	91	52.2	97.8	55.7	83.7	60.1	96
S			NT	NT	NT	NT	1023	1661			975.1	1379	1082	1517	998.1	1220	1117	1021
						NT	33.5	75.4	26.9	58.4	31.5	41.8	21.2	36		59.7	34.3	92.4
Т	-		NT	NT		NT	780	1112	704	980			632	796			560	706
				ND			ND			ND					ND		ND	0.0019
	,					NT	39.4	271	13.3	13.6			NS	1.8			6.2	10
I —	/anadium	0.0003	0.0113	0.0021	0.0036	0.0005		ND		ND	ND	ND	ND	ND	ND			ND
Z	Zinc	0.0134	0.0272	0.0272	0.0182	0.0182	0.011	0.00872	0.0131	0.0147	0.0089	0.0142	0.00986	0.00638	0.0117	0.00736	0.0129	0.0053

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	221	242	255	238	242	261	248	244	249	248	265	250
	Ammonia	NT	NT	NT	NT	NT	0.328	0.542	0.514	0.695	0.673	0.667	0.771	0.733	0.666	0.782	0.939	0.826
	Antimony	ND	ND	ND	ND	ND	ND		ND	ND								
	Arsenic	ND	ND	ND	ND	ND	0.0034		0.0055		ND	0.00907	0.00857	0.00926	ND		ND	0.0079
	Barium	0.2276	0.222	0.1991	0.2255	0.2468	0.261	0.254	0.255	0.264	0.255	0.281	0.247	0.274	0.265	0.294	0.291	0.28
	Beryllium	ND	ND			ND	ND		ND	ND		ND		ND			ND	ND
	Cadmium	NT	NT	NT		NT	ND	ND	ND	ND		ND		ND	ND		ND	ND
	Calcium		NT	NT		NT	154	160	159	154	157	173		151	164		169	180
	Chloride	NT	NT	NT		NT	412	193	424	433	416	473	448	449	455	453	462	503
<b>+</b>	Chromium	ND	ND	ND	ND	ND	ND		ND	ND		ND		ND			ND	ND
04	Cobalt		ND			ND	ND	ND	ND	ND		ND	ND	ND		ND	ND	ND
B	COD		NT			NT	26.3	25.2	29.8	30.7	29.2	34.1	26.7	31.3	23.7	34.8	38	
0	Copper	0.0323	0.029	0.0088	0.0087	0.0311	0.0344	0.0388	0.0418	0.0367	0.0314	0.0377	0.0353	0.0475	0.0354	0.0382	0.0393	0.036
uo	Hardness		NT			NT	670	610	680	717	705	714	712	730	740		762	
ocation	Iron		NT	NT		NT	0.343	1.13			0.92	0.804	0.824	0.751	0.729	0.921	0.993	
ca	Lead	=	ND				ND		ND	ND		ND	ND	ND			ND	ND
<b>9</b>	Magnesium		NT			NT	75.1	83.7	81	88.1	89.1	88.9	76.6	78.1	82		86.1	89
) L	Manganese		NT			NT	1.32	1.81	1.84	1.94	2.03	2.07	2.28	2.55	2.59		2.95	
Monitoring	Mercury	ND	ND				ND		ND	ND		ND	ND	ND			ND	ND
ori	Nickel	0.0105	0.0102	0.0106		ND	0.0137	0.0124	0.0145	0.0132	0.0115	0.0178	0.0179	0.0204	0.0139		0.0149	
ito	Nitrate						ND		ND	ND		ND		ND		ND	ND	ND
u.	рН		NT			NT	6.71	5.3			5.88	5.65	5.67	6.22	6.12		6.32	
Mo	Potassium		NT			NT	6.32	6.52	6.45	7.29	-	7.03	7.72	8.21	7.21	7.74	7.71	7.4
	Selenium	0.0072	0.007	0.005		ND	0.0167	0.0066	0.0219	0.0193	0.0144	0.032	0.0321	0.037	0.0212	0.0303	0.0208	
	Silver		ND			ND	ND		ND	ND		ND		ND		ND	ND	ND
	Sodium	NT	NT	NT		NT	71	77.6	73.8	74.4	74.3	73.3	63.2	66.6	64.8	71.4	73.1	65
	Spec. Cond.		NT			NT	1673	1758			1503	1817	1828	2022	1737	1742	1840	
	Sulfate		NT			NT	18.8	21.1	28.4	19.6		19.5	18.3	16.1	21	22.8	27.9	20.2
	TDS		NT	NT		NT	1348	1772	1760	1428		1632	1432	1600	1304		1168	1112
	Thallium		ND				ND		ND	ND		ND		ND			ND	ND
	Turbidity		NT			NT	1.07	0.24		0.421		NT	NS	0	0		0	0.0
	Vanadium	=	ND				ND		ND	ND		ND	ND	ND			ND	ND
	Zinc	0.007	0.0058	0.0167	ND	0.0138	ND	0.00761	0.00779	0.00828	0.00744	0.00692	0.00885	0.00793	0.00797	0.00999	0.0109	0.0064

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	125	142	135	133	127	129	123	129	127	133	144	1250
	Ammonia	NT	NT	NT	NT	NT	0.301	0.366	0.281	0.379	0.316	0.218	0.299	0.285	0.229	0.309	0.478	0.368
	Antimony	ND	ND	ND														
	Arsenic	ND	ND	ND	ND	ND	0.0036	ND	0.0061	0.0053	ND	0.0105	0.0107	0.0105	0.00555	0.0106	0.00509	0.0082
	Barium	0.0432	0.0445	0.0453	0.049	0.0512	0.0542	0.0555	0.0539	0.0579	0.0555	0.0614	0.0553	0.0622	0.0612	0.0681	0.0681	0.059
	Beryllium	ND	ND	ND														
	Cadmium	NT	NT	NT	NT	NT	ND	ND										
	Calcium	NT	NT	NT	NT	NT	109	116	113	117	118	124	118	126	123	142	121	130
	Chloride	NT	NT	NT	NT	NT	438	311	468	473	460	531	501	498	501	512	530	544
	Chromium	ND	0.0026			ND	0.0021		ND	ND		ND		ND	ND		ND	0.15
4	Cobalt	ND	ND			ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND
B04	COD	NT	NT	NT	NT	NT	31.3	26.4	29.5	39.3	27.5	33	33.3	28.8	65.6	27.6	34.6	35.6
	Copper	0.0227	0.0261	0.03	0.027	0.0288	0.0328	0.0321	0.0324	0.0283	0.0236	0.0295	0.0256	0.0364	0.0284	0.0281	0.0291	0.03
<u> </u>	Hardness		NT			NT	570		600	592		622	598	604	616		684	694
ocation	Iron		NT			NT	0.998	1.57	1.24	0.636		1.12	0.615	0.806	0.932		0.998	0.5
at	Lead	ND	ND			ND	ND		ND	ND								
	Magnesium		NT			NT	71.9		80.3	94.8		88.8	81	89.6	85.5		85.2	89
Ľ	Manganese		NT			NT	0.969	1.07	1.13	1.12		1.01	1.12	1.23	1.48	-	1.58	1.6
b	Mercury		ND	0.0004		ND	0.0003		ND	ND								
Monitoring	Nickel	0.0152	0.0157	0.0164	0.0172	0.0159	0.021	0.0194	0.0207	0.0193		0.0234	0.0239	0.0255	0.021	0.0238	0.0219	
<u> </u>	Nitrate		NT			NT	ND		ND	ND	ND	ND		ND	ND	ND	ND	ND
, L	рН		NT			NT	5.82	4.84			5.43	5.57	5.29	5.85	5.69		5.92	6.41
<u> </u>	Potassium		NT	NT		NT	4.93	5.25	4.92	5.92			5.42	5.96	5.15		5.51	5.3
	Selenium	0.0074	0.0085	0.0077		ND	0.0174	0.0071	0.0243	0.0223	0.0161	0.0373	0.0391	0.0434	0.0239		0.0233	0.028
	Silver		ND	0.0026		ND	ND		ND	ND								
	Sodium		NT			NT	89.1	101	91.9	100		95	89	100	90.4		89.6	94
	Spec. Cond.		NT			NT	1943	1678			1438	1752	1785	1985	1697	1720	1818	1577
	Sulfate					NT	12.1	12.9	12.8	11.5		11.1	11.5	9	11.7	12	14	11
	TDS					NT	1200		1672	1356				1596	1262		1138	
	Thallium		ND			ND	ND		ND	ND		ND		ND			ND	ND
	Turbidity		NT			NT	10.3			5.83		NT	NS	12.3			7.2	
	Vanadium	=	ND			ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND
	Zinc	0.0166	0.017	0.0201	0.0273	0.0321	0.024	0.0227	0.0214	0.021	0.0204	0.0227	0.0222	0.0228	0.0227	0.0239	0.026	0.024

NT: Not Tested

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
/	Alkalinity	NT	NT	NT	NT	NT	150	170	220	145	156	175	161	178	188	203	182	197
7	Ammonia	NT	NT	NT	NT	NT	ND	ND	ND	0.389	ND	ND	ND	ND	ND	ND	ND	ND
/	Antimony	0.0034	ND	ND														
/	Arsenic	0.0027	ND	0.0027	ND	ND	0.0032		0.0067	ND	ND	ND	ND	ND	ND	ND	ND	0.0047
E	Barium	0.195	0.4262	0.1607	0.17	0.1941	0.196	0.267	0.507	0.536	0.195	0.221	0.19	0.196	0.18	0.205	0.193	
E	Beryllium	ND	ND			ND	ND		ND			ND		ND			ND	ND
(	Cadmium	NT	NT			NT	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
(			NT	NT		NT	148	147	126	145	137.5	142	148	135	136		130	140
(	Chloride		NT	NT	NT	NT	356	222	360	356	350	383	374	382	376		365	372
	Chromium	ND	0.0768	ND	ND	0.0127	0.0021	0.021	0.127	0.0199	ND	0.0133	0.00631	ND	ND	0.00725		ND
	Cobalt	0.0049	0.0251	0.0052	0.0052		0.0059	0.0111	0.0326		ND	0.00694	0.00655		ND		ND	ND
	COD					NT	68	55.1	31.5	38.9	32.9	44	38.1	43		44.6	41.5	-
	Copper	0.0083	0.1077	0.0096	0.0101	0.0117	0.0116	0.0327	0.207	0.0444	0.00681	0.0309	0.015	0.0158	0.00908	0.0164	0.0106	0.0051
						NT	580	560	550	553	552	582	566	582	584	632	584	586
ocation						NT	1.7	29.2	111	15.5		12.2	5.07	1.17	1.4	_	2.69	
Co L		ND					ND	0.0126	0.0503	0.0474		0.0081		ND			ND	ND
9 <u> </u>	V					NT	56.6	64.4	78.8	63	55.9	61.3	61.1	55.3	54.7	61.9	55.5	55
	Manganese					NT	0.482	0.668	1.57	0.862	0.487	0.592	0.589	0.496	0.481	0.557	0.494	0.47
	Mercury	ND	0.0005	0.0003		ND	ND	0.00286	0.00149	0.00852	0.00087	0.00054	0.00041		ND		ND	ND
i z l	Nickel	0.0139	0.0805	0.0129	0.0129	0.02	0.0166	0.0349	0.131	0.0245	0.0112	0.0207	0.0184	0.0126	0.0114	0.0151	0.0129	0.014
						NT	0.6869	0.6679	0.87	0.758	0.786	0.708	0.674	0.554	0.559	0.486	0.609	0.59
						NT	5.62	5.69			5.51	5.76	5.42	6.03	5.7	5.96	5.94	6.31
	Potassium					NT	4.82	6.71	28.8	6.2		7.39	5.52	6.2	4.75		4.68	4.4
	Selenium		ND	0.0095		ND	0.0147	0.008	0.023	0.0201	0.0122	0.0121	0.0151	0.0169	0.0124	0.0117	0.0134	0.014
	Silver					ND	ND	0.0088		ND	ND	ND	ND	ND		ND	ND	ND
	Sodium	NT	NT	NT		NT	83.3	92	70.4	80.3	81	94.3	88.7	92.2	87.3	105	91	100
S. S	-					NT	1564	1571			1289	1600	1618	1247	1537	1567	1490	313.4
ę			NT			NT	82.9	85.1	81.7	85.7	93.7	76.8	89.6	86.5	101	89.8	92.6	89.9
						NT	1116		1784	1192		1156		1124	1150		1034	970
		ND					ND		ND			ND		ND			ND	ND
						NT	21.7	533		3800		NT	NS	44.6			58.9	
		ND				ND	ND	0.0204	0.133	0.0213		0.0148		ND	ND	0.00736		ND
2	Zinc	0.2789	0.031	0.0321	0.0414	0.0414	0.0321	0.116	0.372	0.0997	0.0213	0.0545	0.0385	0.021	0.0208	0.0357	0.0283	0.019

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Metals and Other Water Quality Parameters - Long Term Summary

No         Alkalinity         NT         ND		-		• • • • •										<u></u>	•••••			<u> </u>	
Image: Note of the image in the image. The image in the imag	Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
Artimory         ND         <		Alkalinity	NT	NT	NT	NT	NT	163	161	184	175	169	176	172	178	181	191	196	184
Arsenic         ND         ND <t< td=""><td></td><td>Ammonia</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>		Ammonia	NT	NT	NT	NT	NT	ND	ND										
Barium         0.0928         0.0903         0.0511         0.0406         0.0252         0.021         0.0414         0.0333         0.0266         0.0267         0.0261         0.0265         0.0338         0.0287         0.029         0.0328         0.029         0.0325         0.029           Beryllium         ND         N		Antimony	ND	ND	ND														
Beryllium         ND		Arsenic	ND	ND	0.0021														
Cadmium         NT         NT         NT         NT         ND         ND <t< td=""><td></td><td>Barium</td><td>0.0928</td><td>0.0903</td><td>0.0511</td><td>0.0406</td><td>0.0252</td><td>0.025</td><td>0.0414</td><td>0.0333</td><td>0.0256</td><td>0.0257</td><td>0.0261</td><td>0.0265</td><td>0.0338</td><td>0.0287</td><td>0.029</td><td>0.0325</td><td>0.038</td></t<>		Barium	0.0928	0.0903	0.0511	0.0406	0.0252	0.025	0.0414	0.0333	0.0256	0.0257	0.0261	0.0265	0.0338	0.0287	0.029	0.0325	0.038
Calcium         NT         NT <t< td=""><td></td><td>Beryllium</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>		Beryllium	ND	ND	ND														
FOR         NT         NT         NT         NT         NT         NT         150         48.8         171         193         194         199         202         222         223         226         243           Chromium         ND         0.0034         ND         N		Cadmium	NT	NT	NT	NT	NT	ND	ND										
Chromium         ND         0.0034         ND		Calcium	NT	NT	NT	NT	NT	99.5	105	102	114	112.5	108	113	115	123	127	124	130
Cobait         ND         ND <th< td=""><td></td><td>Chloride</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>150</td><td>48.8</td><td>171</td><td>193</td><td>194</td><td>199</td><td>202</td><td>222</td><td>223</td><td>226</td><td>243</td><td>206</td></th<>		Chloride	NT	NT	NT	NT	NT	150	48.8	171	193	194	199	202	222	223	226	243	206
Copper         0.0053         0.0137         0.0033         0.008         ND         0.0062         0.0132         ND         ND         0.0090         0.00561         0.0133         ND         ND         0.0135         ND         ND         0.0135         ND         ND         0.0135         ND         ND         ND         ND         0.0135         ND         ND         ND         0.0135         ND         ND <td></td> <td>Chromium</td> <td>ND</td> <td>0.0034</td> <td>ND</td>		Chromium	ND	0.0034	ND	ND	ND												
Copper         0.0053         0.0137         0.0033         0.008         ND         0.0062         0.0132         ND         ND         0.0090         0.00561         0.0133         ND         ND         0.0135         ND         ND         0.0135         ND         ND         0.0135         ND         ND         ND         ND         0.0135         ND         ND         ND         0.0135         ND         ND <td>10</td> <td>Cobalt</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td></td> <td></td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td>	10	Cobalt	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND
Hardness         NT         <	B	COD	NT	NT	NT	NT	NT	ND	13.6	ND	14	5.2	11.7	ND	11.2	ND	14.3	15.9	11.3
Magnesium         NT         NT         NT         NT         NT         26.1         29.7         28.5         35.2         34.8         33.6         33.3         33.9         37.7         40.3         39.9           Manganese         NT         NT         NT         NT         NT         NT         0.0317         0.221         0.0338         0.0369         0.113         0.0724         0.0827         0.0415         0.0394         0.039           Mercury         ND         ND         ND         ND         ND         0.0047         0.0028         0.00049         0.0001         0.00039         0.00039         0.00038         0.00039         0.00058         ND         ND         0.0           Nickel         0.0024         0.0056         0.0022         ND         NT         NT         NT         NT         NT         NT         NT         ND         0.0047         0.0057         ND         ND         ND         ND         ND         ND         ND         ND         ND         0.0058         0.0011         0.0029         0.0056         0.09667         1         0.0           Potassium         NT         NT         NT         NT         NT		Copper	0.0053	0.0137	0.0033	0.008	ND		0.0126	0.0132	ND	ND	0.00909	0.00561	0.0135	ND	ND	ND	0.0052
Magnesium         NT         NT         NT         NT         NT         26.1         29.7         28.5         35.2         34.8         33.6         33.3         33.9         37.7         40.3         39.9           Manganese         NT         NT         NT         NT         NT         NT         0.0317         0.221         0.0338         0.0369         0.113         0.0724         0.0827         0.0415         0.0394         0.039           Marcury         ND         ND         ND         ND         ND         0.00047         0.00058         0.00049         0.00031         0.00039         0.00038         0.00039         0.00038         0.00049         0.0001         ND         ND         ND         0.0011         0.0024         0.0056         ND         ND         ND         0.0014         0.0029         0.00049         0.00031         0.00039         0.00038         0.00039         0.00030         0.00056         ND         ND         ND         ND         ND         ND         ND         ND         0.0029         0.0054         ND         0.0057         ND         ND         ND         ND         0.0056         0.0071         0.0058         0.634         6.55	uo	Hardness	NT	NT	NT	NT	NT		350	360	407						-		450
Magnesium         NT         NT         NT         NT         NT         26.1         29.7         28.5         35.2         34.8         33.6         33.3         33.9         37.7         40.3         39.9           Manganese         NT         NT         NT         NT         NT         NT         0.0317         0.221         0.0338         0.0369         0.113         0.0724         0.0827         0.0415         0.0394         0.039           Mercury         ND         ND         ND         ND         ND         0.0047         0.0028         0.00049         0.0001         0.00039         0.00039         0.00038         0.00039         0.00058         ND         ND         0.0           Nickel         0.0024         0.0056         0.0022         ND         NT         NT         NT         NT         NT         NT         NT         ND         0.0047         0.0057         ND         ND         ND         ND         ND         ND         ND         ND         ND         0.0058         0.0011         0.0029         0.0056         0.09667         1         0.0           Potassium         NT         NT         NT         NT         NT	Itic	Iron	NT	NT	NT	NT	NT	0.262	1.07	2.14	1.08	0.659	0.957	0.837	1.78	0.564	0.699	0.742	0.78
Magnesium         NT         NT         NT         NT         NT         26.1         29.7         28.5         35.2         34.8         33.6         33.3         33.9         37.7         40.3         39.9           Manganese         NT         NT         NT         NT         NT         NT         0.0317         0.221         0.0338         0.0369         0.113         0.0724         0.0827         0.0415         0.0394         0.039           Marcury         ND         ND         ND         ND         ND         0.00047         0.00058         0.00049         0.00031         0.00039         0.00038         0.00039         0.00038         0.00049         0.0001         ND         ND         ND         0.0011         0.0024         0.0056         ND         ND         ND         0.0014         0.0029         0.00049         0.00031         0.00039         0.00038         0.00039         0.00030         0.00056         ND         ND         ND         ND         ND         ND         ND         ND         0.0029         0.0054         ND         0.0057         ND         ND         ND         ND         0.0056         0.0071         0.0058         0.634         6.55	ca	Lead	ND	0.0031	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	0.0013
Marganese         NT         NT         NT         NT         NT         0.0317         0.231         0.221         0.0338         0.0024         0.0027         0.0413         0.0394         0.0039         0.0035           Mercury         ND         ND         ND         ND         ND         ND         ND         ND         0.0047         0.0028         0.0009         0.0012         0.0028         0.00038         0.0029         0.0038         0.00088         0.0008         0.00088         0.0008         0.00088         0.0088         0.0088	0	Magnesium	NT	NT	NT	NT	NT	26.1	29.7	28.5	35.2		33.6			37.7	40.3	39.9	36
Selenium         0.0029         0.0034         0.0028         ND         ND         0.0044         ND         0.0038         0.0071         0.00808         0.00714         0.00805         0.0064         0.00629         0.00837         0.00837         0.00           Silver         ND		Manganese	NT	NT	NT	NT	NT	0.0317		0.221	0.0338	0.0369		0.0724	0.0827	0.0415	0.0394		0.15
Selenium         0.0029         0.0034         0.0028         ND         ND         0.0044         ND         0.0038         0.0071         0.00808         0.00714         0.00805         0.0064         0.00629         0.00837         0.00837         0.00837         0.00838         0.00714         0.00808         0.00714         0.00805         0.00714	Dû	Mercury	ND	ND	ND	ND	ND	ND			0.00049	0.00031						0.00048	0.00029
Selenium         0.0029         0.0034         0.0028         ND         ND         0.0044         ND         0.0038         0.0071         0.00808         0.00714         0.00805         0.0064         0.00629         0.00837         0.00837         0.00837         0.00838         0.00714         0.00808         0.00714         0.00805         0.00714	ri	Nickel	0.0024	0.0056				0.0047	0.0057	ND	ND	ND	ND	ND	ND	0.00568	ND	ND	0.0054
Selenium         0.0029         0.0034         0.0028         ND         ND         0.0044         ND         0.0038         0.0071         0.00808         0.00714         0.00805         0.0064         0.00629         0.00837         0.00837         0.00837         0.00838         0.00714         0.00808         0.00714         0.00805         0.00714	ito	Nitrate	NT	NT	NT	NT	NT	0.5482	0.5966	0.658	0.861	0.819	0.8232	0.8309	0.8996	0.96	0.9667	1	0.846
Selenium         0.0029         0.0034         0.0028         ND         ND         0.0044         ND         0.0038         0.0071         0.00808         0.00714         0.00805         0.0064         0.00629         0.00837         0.00837         0.00837         0.00838         0.00714         0.00808         0.00714         0.00805         0.00714	, in	pН			NT													6.65	6.63
Selenium         0.0029         0.0034         0.0028         ND         ND         0.0044         ND         0.0038         0.0071         0.00808         0.00714         0.00805         0.0064         0.00629         0.00837         0.00837         0.00837         0.00838         0.00714         0.00808         0.00714         0.00805         0.00714	10	Potassium									-	-	-			-		0.10	3.7
Sodium         NT         NT         NT         NT         NT         21.4         23.3         21.9         21.3         20.8         24.5         19.5         22.9         20.8         22.1         22.6           Spec. Cond.         NT         NT         NT         NT         NT         T60         828.1         806.2         937.2         973.5         1115         992.5         1025         1057           Sulfate         NT         NT         NT         NT         13.4         15.2         19.2         20.4         21         20.2         23         24.1         24.6         27.9         32.5           TDS         NT         NT         NT         NT         644         764         1068         800         984         708         828         666         724         624         824           Thallium         ND	~																		0.0085
Spec. Cond.         NT         NT         NT         NT         T60         828.1         806.2         937.2         973.5         1115         992.5         1025         1057           Sulfate         NT         NT         NT         NT         NT         13.4         15.2         19.2         20.4         21         20.2         23         24.1         24.6         27.9         32.5           TDS         NT         NT         NT         NT         644         764         1068         800         984         708         828         666         724         624         824           Thallium         ND																			
Sulfate         NT         NT         NT         NT         13.4         15.2         19.2         20.4         21         20.2         23         24.1         24.6         27.9         32.5           TDS         NT         NT         NT         NT         NT         644         764         1068         800         984         708         828         666         724         624         824           Thallium         ND         ND<		Sodium	NT	NT	NT	NT	NT		23.3	21.9	21.3		24.5	19.5	22.9	20.8	22.1	22.6	21
TDS         NT         NT         NT         NT         644         764         1068         800         984         708         828         666         724         624         824           Thallium         ND         ND <td></td> <td>Spec. Cond.</td> <td>NT</td> <td>NT</td> <td>NT</td> <td>NT</td> <td>NT</td> <td>760</td> <td>828.1</td> <td></td> <td></td> <td>806.2</td> <td>937.2</td> <td>973.5</td> <td>1115</td> <td>992.5</td> <td>1025</td> <td>1057</td> <td>874</td>		Spec. Cond.	NT	NT	NT	NT	NT	760	828.1			806.2	937.2	973.5	1115	992.5	1025	1057	874
Thallium         ND         <		Sulfate	NT	NT	NT	NT	NT	13.4	15.2	19.2	20.4	21	20.2	23	24.1	24.6	27.9	32.5	26.9
Turbidity         NT         NT         NT         0.283         14.3         40.7         0.939         NT         NS         42.5         0         1.23         0.3		TDS	NT	NT	NT	NT	NT	644	764	1068	800	984	708	828	666	724	624	824	636
		Thallium	ND	ND	ND	ND	ND		ND	ND					ND	ND		ND	ND
Vanadium ND		Turbidity	NT	NT	NT	NT	NT	0.283	14.3	40.7	0.939	NT	NT	NS	42.5	0	1.23	0.3	24.1
		Vanadium	ND	ND	ND														
Zinc 0.023 ND ND ND ND ND 0.0126 0.0112 ND 0.00576 0.00575 0.00624 0.00752 0.00539 ND 0.00858 0.0		Zinc	0.023	ND	ND	ND	ND	ND	0.0126	0.0112	ND	0.00576	0.00575	0.00624	0.00752	0.00539	ND	0.00858	0.0087

NT: Not Tested

NS: Not Sampled

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Note: MCL exceedances are indicated in Red

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	124	92	115	112	115	122	119	112	120	118	114	119
	Ammonia	NT	NT	NT	NT	NT	ND	ND										
	Antimony	ND	ND	ND														
	Arsenic	ND	ND	ND		ND	ND	0.0028										
	Barium	0.0313	0.0506	0.0643	0.0864	0.0419	0.0431	0.0693	0.037	0.0401	0.0432	0.0405	0.0485	0.045	0.0455	0.0458	0.0463	0.043
	Beryllium	ND	ND	ND														
	Cadmium	NT	NT	NT	NT	NT	ND	ND										
	Calcium	NT	NT	NT	NT	NT	91.8	55.8	72	86.5	90	82.9	94.3	87.3	93.6	93.5	80.2	87
	Chloride	NT	NT	NT	NT	NT	235	74.5	205	216	246	244	265	255	268	260	240	254
▼	Chromium	ND	ND				ND	ND	ND	ND					ND		ND	0.0033
B07.	Cobalt	ND	0.0025			ND	ND	0.0059		ND	ND		ND	ND	ND	ND	ND	ND
B(	COD	NT	NT	NT	NT	NT	17.8	6.1	9.7	16.5	10	16.9	15	17.3	12.8		21.3	16.6
0	Copper	0.0055	0.0113	0.0092		ND	0.0058	0.0128	0.0078		ND	0.00594		0.0116	0.0055		ND	0.002
L	Hardness		NT			NT	420	205	350	390			436	420	448	450	416	-
Location	Iron		NT			NT	0.239		0.5	0.819			0.576	0.615	0.43		0.52	
at	Lead	ND	ND			=	ND	ND	ND	ND	ND	ND		ND	ND		ND	ND
0	Magnesium		NT			NT	51.2	21.7	41.6	49.3			50.2	48.9	51.9		46	
	Manganese	NT	NT	NT		NT	0.0592	0.753	0.0954	0.07	0.0716		0.0891	0.0753	0.0704	0.0665	0.0762	0.094
Monitoring	Mercury	0.0007	0.0005	0.0005	0.0004	0.0009	0.001	0.00026	0.00047	0.00075			0.00116	0.00068	0.00071	0.00085	0.00072	0.001
Lir	Nickel	0.0039	0.0059	0.0043		ND	0.006	0.0099		ND	ND	ND	0.00528	ND	0.00656		ND	0.009
D I	Nitrate		NT			NT			0.9	0.902		0.97	0.97	1	1	0.97	0.942	1.01
nit	рН		NT			NT	6.51	5.94			5.6		5.81	6.05	5.7		6.05	6.34
2	Potassium	NT	NT			NT	2.66	7.32	2.56	2.3		-	2.8	3.12	2.55		2.25	2.4
	Selenium	0.0034	0.0044	0.0032		ND	0.0083		0.0064	0.0095			0.00838	0.00869	0.00894		0.00927	0.011
	Silver	ND	ND	ND		ND	ND	ND										
	Sodium	NT	NT			NT	30.2	23.8	26.1	25.6			24.8	27.1	24.9		24.2	24
	Spec. Cond.	NT	NT	NT		NT	706.7	565.4			860.9	994.7	1082	1157	1016	996.9	909	856.8
	Sulfate		NT			NT	22.4	3.38	21.6	22.6			24.6	27.5	31		28.4	29.7
	TDS		NT			NT	784	492	1176	796				718	774		752	
	Thallium	ND	ND				ND	ND	ND	ND				ND			ND	ND
	Turbidity		NT			NT	0.317	6.85		0.579			NS	0	011.0		0	v
	Vanadium	ND	ND				ND	ND	ND	ND		ND		ND		ND	ND	ND
	Zinc	0.0065	0.0086	ND	ND	ND	ND	0.0136	0.0079	0.00516	ND	ND	0.0057	ND	0.0066	ND	0.00834	ND

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	229	245	248	230	230	239	223	224	219	219	227	215
	Ammonia	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.1163	0.1146	0.0822	0.0288	0.1309	0.137	0.126	0.118	0.116	0.128	0.129	0.129	0.132	0.126	0.125	0.132	0.13
	Beryllium	ND	ND	ND			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	63.5	71.1	65.9	62.7	67.1	70.8	68.2	66.6	65.3	54.3	57.1	64
	Chloride	NT	NT	NT	NT	NT	34.7	31.2	32.8	34.2	46.1	42.8	47.4	45.5	47.7	44.7	39.5	37.5
~ ~	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B08	Cobalt	0.0078	0.0069	0.0034		ND	0.0052	0.0064	0.0064	0.007	0.00803	0.00789	0.00841	0.00798	0.00648		0.00692	
B	COD	NT	NT	NT	NT	NT	ND	4.9	ND	ND	ND	9.9		ND	ND	ND	ND	ND
0	Copper	0.006	0.0061	0.0045	0.008	ND	0.0043	0.0073	0.006	0.006	ND	ND	ND	ND	ND	ND	ND	ND
cation	Hardness		NT			NT	228	250	300	265	144	236		232	230		236	220
Itie	Iron					NT	0.301	0.675	0.647	0.718		0.74	-	0.575	0.676		0.739	
ca	Lead		ND	ND	ND	=	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
0	Magnesium	5.08	5.08	5.08	5.08	5.08	12.9	16.6	14.9	17		17.7	17	15.9	16.5		15.1	14
	Manganese					NT	6.29	7.07	7.18	6.56	-	6.84		6.89	6		6.26	5.2
Monitoring	Mercury	ND	ND	ND			ND	ND	ND	ND		ND	ND	ND	ND		ND	ND
ori	Nickel	0.0089	0.0082			ND	0.0083	0.0081	0.0083	0.0077	0.0085	0.00877	0.0107	0.0111	0.00755	0.00699	0.00892	0.0075
ite	Nitrate			NT			ND		ND	ND		ND	ND	ND	ND		ND	ND
u.	pН			NT		NT	7.04	5.41			5.85	6.22	6.04	6.54	6.18		6.62	7.07
Mo	Potassium			NT		NT	2.81	2.87	2.63	2.91	2.86			2.48	2.71	-	2.7	2.8
	Selenium	ND		ND			ND		ND	ND		ND		ND			ND	ND
	Silver	ND		ND			ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
	Sodium		NT	NT		NT	27.2	31.6	28	28.7	27.4	28	25.4	26.3	26.4	20.1	24	25
	Spec. Cond.	NT	NT	NT	NT	NT	523.1	528.2			476.3	559.9	566.8	603.6	516.5	499.8	491.3	406.8
	Sulfate	NT	NT	NT	NT	NT	7.54	4.91	4.83	ND	ND	4.76	4.11	5.27	5.68	5.8	4.32	7.65
	TDS	NT	NT	NT	NT	NT	284	340	384	280	344	348	352	270	392	322	322	352
	Thallium	ND	ND	ND	ND	ND	ND		ND	ND		ND	ND	ND	ND		ND	ND
	Turbidity	NT	NT	NT	NT	NT	0.266	0.77	0.485	0.735		NT	NS	0	-		2.1	0
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0039	0.0048	ND	ND	ND	ND	ND	ND	0.00765	0.00658	0.00607	0.00624	0.00571	0.00571	0.00666	0.0106	0.0059

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	228	233	226	220	218	221	216	219	214	218	219	221
	Ammonia	NT	NT	NT	NT	NT	ND	0.299	ND	ND	ND	ND	ND	ND	ND	0.222	0.247	ND
	Antimony	ND	ND	ND														
	Arsenic	0.003	0.0022	ND	ND	ND	0.0023	ND	ND	0.0029								
	Barium	0.1007	0.082	0.0894	ND	0.0669	0.0815	0.0919	0.0779	0.099	0.0689	0.0735	0.068	0.0674	0.0648	0.0677	0.077	0.047
	Beryllium	ND	ND	ND														
	Cadmium	NT	NT	NT	NT	NT	ND	ND										
	Calcium	NT	NT	NT	NT	NT	59.4	52.6	52.9	58.1	54.4	53.3	54.7	54.9	52.4	47.1	47.6	49
	Chloride	NT	NT	NT	NT	NT	67.4	39.9	58.2	45.4	63.3	55.5	65.4	63.8	68	59.9	50.4	60.8
	Chromium			ND			ND		ND	ND	ND	ND		ND	ND		ND	0.0047
B08	Cobalt	0.0171	0.0177	0.0094		0.0167	0.0186	0.0135	0.0175	0.0146	0.0173	0.0171	0.0189	0.0189	0.0161	0.0153	0.0149	0.017
B	COD	NT	NT	NT	NT	NT	ND	39.2	5.3	10.2	ND	8.6		ND	ND		ND	ND
0	Copper	0.0059	0.0058	0.0041		ND	0.0051	0.0067	0.0061	0.006		0.00802		ND	ND	=	ND	0.0017
Ľ	Hardness		NT	NT		NT	570	330	300	370		252	240	230	240		218	_
ocation	Iron			NT		NT	3.85	3.33		3.69		3.44		3.38	3.94		3.31	4.4
at	Lead			ND			ND		ND	ND	ND	ND		ND	ND		ND	ND
ö	Magnesium		NT	NT		NT	23.2	19.2	19.3	20.3	22	21.8	21.8	21.8	21.6		18.7	21
Ľ	Manganese			NT		NT	8.16	7.9		8.57	7.484	7.53	8.27	8.12	7.16		7.33	6.8
b	Mercury			ND			ND		ND	ND	ND	ND		ND	ND	ND	ND	ND
Monitoring	Nickel	0.0088	0.0083	0.0054		ND	0.0095	0.0068	0.0079	0.0071	0.00745	0.00751	0.01	0.00968	0.00718		0.00738	0.011
to	Nitrate			NT			ND		ND	ND	ND	ND		ND	ND		ND	ND
, Li	рН			NT		NT	6.65	5.49			5.96	6.07	5.87	6.39	6.01	6.11	6.47	6.61
0	Potassium			NT		NT	2.82	2.73	-	2.77		2.79			2.91	2.72	2.6	-
	Selenium			ND			ND		ND	ND	ND	ND		ND			ND	ND
	Silver			ND			ND		ND	ND	ND	ND		ND	ND	ND	ND	ND
	Sodium			NT		NT	37	34.7	31.7	30.8	31.8	32.9	30.7	30.7	30.1	24.7	29.4	32
	Spec. Cond.		NT	NT	NT	NT	579.9	541.9			502.5	579.1	600.1	649.1	547.9	536.7	503.4	468.1
	Sulfate					NT	3.85	3.04	5.74			ND		ND	4.39			ND
	TDS		NT	NT		NT	352	336		340		364		288	388		306	
	Thallium			ND			ND		ND	ND		ND		ND			ND	ND
	Turbidity					NT	1.69			1.36		NT	NS	0	0		0.9	-
	Vanadium			ND			ND		ND	ND	ND	ND	ND	ND	ND		ND	ND
	Zinc	0.0051	0.0045	ND	ND	ND	ND	ND	ND	0.0078	0.00676	0.0101	0.00749	0.00596	0.00704	0.00625	0.00911	0.0084

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Metals and Other Water Quality Parameters - Long Term Summary

Sample Site         Parameter         Parameter	
Ammonia         NT         NT         NT         NT         NT         NT         ND         ND <t< th=""><th>Spring 2015</th></t<>	Spring 2015
Antimony         ND         <	2 116
Properting         Arsenic         ND	ND
Barlum         0.0366         0.0491         0.0321         0.0416         0.0468         0.049         0.0533         0.0534         0.0534         0.0533         0.0562         0.0763         0.0622         0.066           Beryllium         ND         ND <td< td=""><td>ND</td></td<>	ND
Beryllium         ND	ND
Cadmium         NT         NT         NT         NT         NT         ND         ND <t< td=""><td>9 0.047</td></t<>	9 0.047
Calcium         NT         ND         ND <t< td=""><td>ND</td></t<>	ND
Chloride         NT         NT         NT         NT         82.4         53.3         83.6         89         94.1         100         121         120         136         144         1           Chromium         ND	ND
Chromium         ND         <	6 62
Cobalt         ND         0.0041         0.0022         ND         ND         0.0059         ND         ND         0.00519         0.00809         0.00674         0.00837         0.0062         0.007           COD         NT         NT         NT         NT         NT         NT         ND         7.5         10.3         ND         <	9 147
Cobait         ND         0.0041         0.0022         ND         0.0029         ND         0.0059         ND         0.00519         0.00614         0.00674         0.0062         0.0074         0.0062         0.0074         0.0062         0.0074         0.0062         0.0074         0.0062         0.0074         0.00837         0.0062         0.0074         0.00837         0.0062         0.0074         0.00837         0.0062         0.0074         0.00837         0.0062         0.0074         0.00837         0.0062         0.0074         0.00837         0.0062         0.0074         0.00837         0.0062         0.0074         0.00837         0.0062         0.0074         0.00837         0.0062         0.0074         0.00837         0.0062         0.0074         0.00837         0.0062         0.0074         0.00837         0.0062         0.0074         0.00837         0.00637         0.0079         0.0077         0.0057         ND	ND
Copper         0.0079         0.0082         0.0041         0.0066         0.0063         0.006         0.0179         0.0057         ND	
Hardness         NT         <	7 ND
Manganese         NT         NT         NT         NT         NT         2.63         1.31         3.47         2.68         3.03         3.15         4.31         3.66         5.2         3.96         5.           Mercury         ND	ND
Manganese         NT         NT         NT         NT         NT         2.63         1.31         3.47         2.68         3.03         3.15         4.31         3.66         5.2         3.96         5.           Mercury         ND	
Manganese         NT         NT         NT         NT         NT         2.63         1.31         3.47         2.68         3.03         3.15         4.31         3.66         5.2         3.96         5.           Mercury         ND	-
Manganese         NT         NT         NT         NT         NT         2.63         1.31         3.47         2.68         3.03         3.15         4.31         3.66         5.2         3.96         5.           Mercury         ND	ND
Nindingaliese         NT         NT         NT         NT         NT         NT         NT         NT         NT         S.67         S.67 <td></td>	
Selenium         ND         <	_
Selenium         ND         <	ND
Selenium         ND         <	
Selenium         ND         <	ND
Selenium         ND         <	
Selenium         ND         <	-
Sodium         NT         NT         NT         19         20.3         20.3         18.4         19.6         18.2         18.3         19.8         20.8         19.6           Spec. Cond.         NT         NT         NT         NT         413.6         423.9         446.8         544.8         623.9         654         636.8         596.2         663	ND
Spec. Cond. NT NT NT NT VT 413.6 423.9 446.8 544.8 623.9 654 636.8 596.2 663	ND
Sulfate NT NT NT NT NT 1.7 ND	
	ND
TDS NT NT NT NT NT 368 364 552 456 492 480 396 440 434 340 4	
Thallium ND	ND
Turbidity         NT         NT         NT         2.09         21.1         1.16         0.443         NT         NS         0<	
Vanadium ND	ND
Zinc 0.023 0.0198 0.0087 ND 0.0107 ND 0.0226 0.00595 0.00573 0.00698 0.00662 0.00705 0.00562 0.00811 0.00671 0.008	1 ND

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	1140	960	1100	1008	1000	1056	1060	1110	1080	980	1000	1040
	Ammonia	NT	NT	NT	NT	NT	11.2	12.4	8.98	11.1	11.1	11.6	12	14	13.3	13.5	12.3	14.6
	Antimony	ND	ND	ND														
	Arsenic	0.0057	0.0196	0.0063	0.0061	ND	0.0065	ND	0.0068	0.0061	0.00581	ND	ND	0.0112	0.00523	ND	0.00502	0.0083
	Barium	0.3338	0.7682	0.3156	0.3331	0.4215	0.385	0.374	0.342	0.349	0.344	0.355	0.349	0.404	0.347	0.367	0.366	0.35
	Beryllium	ND	0.008	ND	ND	ND												
	Cadmium	NT	NT	NT	NT	NT	0.0021	ND	ND	0.00071								
	Calcium	NT	NT	NT	NT	NT	116	113	114	124	119.7	115	120	118	116	116	109	120
	Chloride	NT	NT	NT	NT	NT	560	128	577	578	564	602	588	558	543	519	520	563
N	Chromium	0.0035	0.1373	0.0033	0.0088	ND	0.0105	0.0102	ND	ND	ND	ND	0.00622	0.014	ND	ND	ND	ND
02	Cobalt	0.0873	0.2586	0.0821	0.0876	0.085	0.0925	0.089	0.0842	0.0764	0.0724	0.0734	0.0729	0.0852	0.0704	0.0695	0.0686	0.074
B	COD	NT	NT	NT	NT	NT	262	250	252	235	237	227	242	235	126	176	147	87
Ō	Copper	0.0557	1.8022	0.0638	0.088	0.1301	0.136	0.0793	0.0908	0.0483	0.0449	0.0505	0.0485	0.071	0.0709	0.0616	0.05	0.041
<b>_</b>	Hardness	NT	NT	NT	NT	NT	810	158	900	775	701	640	700	686	696	710	684	724
ocation	Iron	NT	NT	NT	NT	NT	8.95	9.66	3.55	1.69	0.798	0.945	1.01	1.93	2.03	3.64	1.99	0.35
at	Lead	ND	0.0806	ND	0.0055	ND	0.0043	ND	ND	ND								
8	Magnesium	NT	NT	NT	NT	NT	94.8	98.7	94.3	102	98.4	97.4	97.4	104	96.9	99.2	89.73	96
Ľ	Manganese	NT	NT	NT	NT	NT	22.2	20.7	21.8	23.5	20.9	21.2	21.7	20.2	20.1	18.8	18	19
l D	Mercury	ND	0.0006	ND	ND	ND												
Monitoring	Nickel	0.0942	0.2651	0.0908	0.0871	0.1029	0.118	0.0966	0.101	0.092	0.0909	0.0925	0.0962	0.113	0.0907	0.0903	0.0884	0.1
ō	Nitrate	NT	NT	NT	NT	NT	ND	ND										
Li Li	pН	NT	NT	NT	NT	NT	6.26	5.95			6.42	6.64	6.29	6.86	6.41	6.8	6.74	7.07
ō	Potassium	NT	NT	NT	NT	NT	37.2	41.7	37.8	39.8	-	39.9	41.4	47.4	46.7	44.9	43	51
≥	Selenium	0.0179	0.036	0.0186	0.0152	0.0167	0.0256	0.0134	0.0256	0.0237	0.0224	0.017	0.0176	0.0411	0.0188	0.0162	0.0197	0.021
	Silver	ND	ND	ND														
	Sodium	NT	NT	NT	NT	NT	613	549	500	561	550	532	586	558	483	523	504	490
	Spec. Cond.	NT	NT	NT	NT	NT	3522	3493			3010	3558	3612	3298	3303	3270	3129	1902
	Sulfate	NT	NT	NT	NT	NT	71.9	71.5	57.4	74.3	74.4	55.4	55.2	48.1	44.7	45	69.4	65.3
	TDS	NT	NT	NT	NT	NT	2120	2172	2252	2308	2244	2268	2236	2146	2158	2122	2098	2066
	Thallium	ND	0.0087	ND	ND	ND												
	Turbidity	NT	NT	NT	NT	NT	191	202	71.4	23.7	NT	NT	NS	58.9	84.5	79.5	19.9	15.4
	Vanadium	0.003	0.1443	ND	0.0105	ND	0.0104	0.0124	ND	ND								
	Zinc	0.021	1.254	0.0248	0.0424	0.0776	0.0464	0.0402	0.0224	0.0135	0.0127	0.013	0.0129	0.0206	0.0196	0.0231	0.0194	0.011
											•							

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Metals and Other Water Quality Parameters - Long Term Summary

Antimony         ND         <	774         645           19.3         6.8           ND         ND           277         0.337           ND         ND           147         166           307         336           213         0.0574           214         0.0436           102         75.3	5         1250           3         42.5           ND         0.007           7         0.39           ND         6           140         339           4         0.0087           6         0.019           3         135
Ammonia         NT         NT         NT         NT         NT         12.4         61.8         5.02         25.1         4.4         16.3         3.48         13.1         4.61           Antimony         ND	19.3         6.8           ND         ND           277         0.337           ND         ND           147         166           307         336           213         0.0574           214         0.0436           102         75.3	3         42.5           ND         0.007           7         0.39           ND         0           0         140           5         140           6         339           4         0.0087           6         0.019           3         135
Antimony         ND         <	ND ND 277 0.337 ND 147 166 307 336 213 0.0574 214 0.0436 102 75.3	ND           0.007           7           ND           ND           6           140           6           0.0087           6           0.019           3
Arsenic         0.0041         0.0057         0.0064         0.0044         ND         0.012         0.005         0.0109         ND         ND         0.0147         0.009         0.00942         0.00577         ND           Barium         0.2161         0.166         0.256         0.1682         0.466         0.304         0.408         0.258         0.218         0.157         0.601         0.138         0.233         0.144         0           Beryllium         ND         ND         ND         ND         0.0026         ND         ND         ND         0.0112         ND	ND 277 0.337 ND 147 166 307 336 213 0.0574 214 0.0436 102 75.3	0.007           ND           ND           3           140           3
Barium         0.2161         0.166         0.256         0.1682         0.466         0.304         0.408         0.258         0.218         0.157         0.601         0.138         0.233         0.144         0.001           Beryllium         ND         ND         ND         ND         ND         0.0026         ND	277 0.337 ND ND 147 166 307 336 213 0.0574 214 0.0436 102 75.3	7 0.39 ND ND 5 140 5 339 4 0.0087 6 0.019 3 135
Beryllium         ND	ND ND 147 166 307 336 213 0.0574 214 0.0436 102 75.3	ND           ND           5         140           5         339           4         0.0087           5         0.019           3         135
Cadmium         NT         NT         NT         NT         NT         NO         ND         ND         0.0109         ND	ND 147 166 307 336 213 0.0574 214 0.0436 102 75.3	ND           5         140           5         339           4         0.0087           5         0.019           3         135
Calcium         NT         NT         NT         NT         NT         156         124         165         92.2         170         160         167         168         169           Chloride         NT         NT         NT         NT         NT         NT         328         265         334         219         309         356         337         334         318           Chromium         ND         0.0057         0.0044         ND         ND         0.0717         0.0075         0.0808         0.0106         0.0184         0.166         0.0236         0.0434         0.0235         0.0           Cobalt         0.0073         0.0116         0.012         0.0077         0.0108         0.101         0.0129         0.196         0.0202         0.0345         0.2         0.0316         0.054         0.0306         0.0           COD         NT         NT         NT         NT         173         258         207         92.4         83.4         140         61.5         93.4         56.2           Copper         0.0094         0.0217         0.0184         0.012         0.0218         0.173         0.0237         0.293         0.0417         0.	147         166           307         336           213         0.0574           214         0.0436           102         75.3	5         140           5         339           4         0.0087           5         0.019           3         135
Chloride         NT         NT         NT         NT         328         265         334         219         309         356         337         334         318           Chromium         ND         0.0057         0.0044         ND         ND         0.0717         0.0075         0.0808         0.0106         0.0184         0.166         0.0236         0.0434         0.0235         0.0           Cobalt         0.0073         0.0116         0.012         0.0077         0.0108         0.112         0.196         0.0202         0.0345         0.2         0.0316         0.054         0.0306         0.0           COD         NT         NT         NT         NT         173         258         207         92.4         83.4         140         61.5         93.4         56.2           Copper         0.0094         0.0217         0.0184         0.012         0.0218         0.173         0.0237         0.233         0.0417         0.0906         0.0415         0.0	307         336           213         0.0574           214         0.0436           102         75.3	6         339           4         0.0087           6         0.019           3         135
Schwart         ND         0.0057         0.0044         ND         ND         0.0071         0.0075         0.0808         0.0106         0.0184         0.166         0.0236         0.0434         0.0235         0.0           Cobalt         0.0073         0.0116         0.012         0.0077         0.0108         0.112         0.196         0.0202         0.0345         0.2         0.0316         0.054         0.0306         0.0           COD         NT         NT         NT         NT         173         258         207         92.4         83.4         140         61.5         93.4         56.2         0.0415	213 0.0574 214 0.0436 102 75.3	4 0.0087 6 0.019 3 135
Cobalt         0.0073         0.0116         0.012         0.0077         0.0108         0.101         0.0129         0.196         0.0202         0.0345         0.2         0.0316         0.054         0.0306         0.0           COD         NT         NT         NT         NT         173         258         207         92.4         83.4         140         61.5         93.4         56.2           Copper         0.0094         0.0217         0.0184         0.012         0.0134         0.112         0.0218         0.173         0.0237         0.293         0.0417         0.0906         0.0415         0.015	0.0436 102 75.3	6 0.019 3 135
COD         NT         NT         NT         NT         173         258         207         92.4         83.4         140         61.5         93.4         56.2           Copper         0.0094         0.0217         0.0184         0.012         0.0134         0.112         0.0218         0.173         0.0237         0.293         0.0417         0.0906         0.0415 <td>102 75.3</td> <td>3 135</td>	102 75.3	3 135
COD         NT         NT         NT         173         258         207         92.4         83.4         140         61.5         93.4         56.2           Copper         0.0094         0.0217         0.0184         0.012         0.0134         0.112         0.0218         0.173         0.0237         0.293         0.0417         0.0906         0.0415         0.041		
O Copper 0.0094 0.0217 0.0184 0.012 0.0134 0.112 0.0218 0.173 0.0277 0.0237 0.293 0.0417 0.0906 0.0415 0.0	321 0.0059	
L         Hardness         NT         NT         NT         900         870         950         576         866         960         908         924         940	JZ 1 0.0900	3 0.021
	900 924	
	27.2 75.4	
Lead ND 0.0033 0.0021 ND ND 0.0268 ND 0.0332 ND 0.015 0.0726 0.0155 0.0164 0.0104 0.00	0748 0.028	
O Magnesium NT NT NT NT NT 129 152 132 96.5 132 168 116 139 127	128 137	
→ Manganese NT NT NT NT NT 3.58 1.97 3.76 1.68 2.66 6.03 3.07 4.65 3.53	1.91 5.17	-
P Mercury ND 0.0004 ND ND ND 0.0038 ND 0.003 0.00026 0.00101 0.00645 0.00173 0.00084 0.00096 0.00		
Nickel 0.0091 0.02 0.0142 0.0143 0.0116 0.174 0.0164 0.228 0.0258 0.053 0.283 0.0691 0.0994 0.0734 0.0	508 0.0915	
Mercury         ND         0.0004         ND         ND         0.0038         ND         0.003         0.00026         0.0011         0.00645         0.00173         0.00084         0.00096         0.000           Nickel         0.0091         0.02         0.0142         0.0143         0.0116         0.174         0.0164         0.228         0.0258         0.053         0.283         0.0691         0.0994         0.0734         0.00           Nitrate         NT         NT         NT         NT         ND         ND         ND         0.999         ND	ND	ND
PH NT NT NT NT 0.81 6.33 6.18 6.55 5.75 6.61 6.34	6.69 6.83	
O Potassium NT NT NT NT NT 35.7 136 19.3 61.3 15 58.6 12.9 33.3 15.4	51.5 23.4	
	0.0144	
Silver ND	ND	ND
Sodium NT NT NT NT NT 286 468 174 202 183.57 226 167 279 184	224	320
	477 2473	3 2920
Sulfate NT NT NT NT NT 346 105 309 139 314 312 289 240 299	267 287	7 137
	600 1608	3 1792
Thallium ND	65 ND	ND
Turbidity NT NT NT NT NT 1215 338 3430 240 NT NT NS 1721 728 ND	1070	258.3
Vanadium ND 0.0077 0.0042 ND ND 0.0789 0.0096 0.136 0.0194 0.0331 0.363 0.0492 0.0811 0.0362 ND	0.0896	6 0.016
Zinc 0.0175 0.0799 0.1131 0.0352 0.0501 0.556 0.031 0.765 0.153 0.15 0.975 0.252 0.263 0.157 ND	0.391	1 0.076

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	201	165	200	211	215	217	219	221	228	0.0483	283	202
	Ammonia	NT	NT	NT	NT	NT	ND	ND										
	Antimony	ND	ND	ND														
	Arsenic	0.0021	ND	0.0024	ND	ND	ND	45.6	ND	0.002								
	Barium	0.0258	0.032	0.0267	0.0331	0.0286	0.0272	0.0515	0.0261	0.0301	0.0292	0.0295	0.0282	0.0299	0.0289	147	0.0323	0.023
	Beryllium	ND	ND	ND														
	Cadmium	NT	NT	NT	NT	NT	0.0088	0.0058	0.009	0.01	0.0101	0.0104	0.0104	0.011	0.0103	ND	0.011	0.012
	Calcium	NT	NT	NT	NT	NT	126	108	133	134	132.3	132	133	132	135	ND	138	130
	Chloride	NT	NT	NT	NT	NT	330	393	358	259	371	407	398	397	392	ND	417	394
_		ND		ND			ND		ND	ND		ND		ND	ND	206		0.0051
		ND	0.0036				ND		ND	ND	ND	ND	ND	ND	ND	1.92		ND
В	COD	NT		NT	NT	NT	27.5	28.2	29	32.5	22.4	32.8	24	37.8	22.5	ND	37.5	29.3
0	Copper	0.0083	0.0069	0.0063		ND	0.0083	0.0072	0.0112	0.0078	0.0064	0.00894	0.00814	0.0153	0.00834	25	0.00739	0.0036
uo			NT	NT		NT	550	510	600	563	581	596	592	576	606		606	650
Itio			NT	NT		NT	0.454	0.84	1.22	1.27	0.738	0.726	0.656	0.674	0.638		0.741	
ocation		=		ND			ND		ND	ND	ND	ND	ND	ND	ND	0.013		ND
Ō,	Ų			NT		NT	60.1	59.1	67.9	66.6		67.4	64.4	68.9	67		70.2	76
) L	Manganese			NT		NT	0.862	0.7	0.884	0.869	0.768	0.758	0.858	0.793	0.76		0.858	0.86
Monitoring	Mercury	0.0031	0.0007	0.0022	0.0005	0.0019	0.0022	0.00191	0.00254	0.00165	0.00102	0.00098	0.00118	0.00136	0.00106		0.00141	0.0028
ori	Nickel	0.0279	0.0276	0.0249	0.0207	0.0275	0.0361	0.0216	0.0375	0.0331	0.0333	0.0339	0.0411	0.0354	0.033		0.0356	0.04
ite				NT			ND	ND										
u.						NT	5.69	5.03			5.35	5.41	5.31	5.81	5.41	30.3	5.77	6.16
Mo				NT		NT	4.56	8.25	4.9	4.82		5.13	5.19	5.45	5.17	548.7	4.71	5.3
	Selenium	0.0036	0.0043			ND	0.0049		0.0078	0.0061	0.00568		0.011	0.00674	0.00545		0.0068	0.0054
		ND		ND			ND		ND	ND	ND	ND	ND	ND	ND	320		ND
		NT	NT	NT	NT	NT	56.7	59.9	68.8	67.9		68	68	75.8	71.3	ND	77.7	77
	Spec. Cond.	NT	NT	NT	NT	NT	1339	1340			1302	1559	1601	1774	1539	132.6	1627	1352
	Sulfate	NT	NT	NT	NT	NT	8.96	8.47	9.53	9.48	10.2	11.2	10.3	10.5	12.2	ND	11.7	10.7
	-		NT	NT		NT	1208	1152	1416	1116	1036	1404	1212	1018	1122	0.0103	1074	920
	Thallium	ND	ND	ND	ND	ND	ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
	Turbidity	Nt	Nt	Nt	Nt	Nt	1.16	3.65	5.75	0.733	NT	NT	NS	0	0	1.51	0.3	0
	Vanadium	ND	ND	ND														
	Zinc	0.04	0.0427	0.038	0.0508	0.0508	0.0432	0.0309	0.0426	0.043	0.042	0.0453	0.0462	0.0442	0.0413	0.0441	0.0418	0.044

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	270	282	280	292	285	279	288	298	302	295	49	285
	Ammonia	NT	NT	NT	NT	NT	0.222	0.817	1.7	2.11	1.59	1.11	1.25	1.79	1.18	1.99	1	0.356
	Antimony	ND	ND	ND														
	Arsenic	ND	0.0072	0.0031	ND	ND	ND	0.0022										
	Barium	0.1767	0.1365	0.1441	0.1335	0.1616	0.151	0.174	0.182	0.957	0.166	0.183	0.165	0.191	0.165	0.206	0.185	0.18
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	0.0102		ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	NT	NT	0.0025	0.0101	ND	0.0059	ND	ND	ND	ND	ND	ND	ND	0.0026
	Calcium	NT	NT	NT	NT	NT	99	92.5	89.8	84.7	93.5	93.4	91.4	85.3	99.6	79.6	97.3	100
	Chloride		NT	NT	NT	NT	310	-	290	211	297	300	_	282	327		329	325
▼	Chromium	ND		ND	ND	0.0102			ND	0.0321		ND	ND	ND	ND		ND	0.021
7	Cobalt	0.0664	0.0239	0.0361	0.0332	0.0204	0.036	0.0777	0.0337	0.144	0.025	0.025	0.0271	0.024	0.0256		0.0246	0.025
à	COD			NT		NT	30.8	32.3	30	33.7	21.6	30.4	17.8	26.5	23.1	20.6	29.4	31.3
0	Copper	0.0092	0.0108	0.0088	0.0109	0.0119	0.0103	0.0209	0.0102	0.17	0.00569	0.00569	0.00646	0.0143	0.00649		0.00671	0.0048
L L	Hardness			NT		NT	540	500	660	524	598	500	508	466	516		544	300
ocation	Iron			NT		NT	1.61	4.65	1.33	48.4	1.01	1.05		1.08	1.19		1.13	
, at	Lead	ND	0.0079				ND	0.0059		0.0723		ND	ND	ND	ND		ND	ND
l 8	Magnesium			NT		NT	69.2	64.2	67	55		69.9	64.8	65.7	70.6		69.1	76
Ľ	Manganese			NT		NT	5.23	7.39		13.1	5.83	6.29	6.14	6.82	7.21		7.37	7.8
b	Mercury	0.0005	0.0014	0.0008	0.0005	0.0009		0.00232		ND		ND	ND	ND	ND	ND	ND	0.00028
	Nickel	0.0228	0.0306	0.0285	0.0269	0.0376	0.0299	0.0306	0.0232	0.0701	0.0222	0.0192	0.0266	0.0203	0.0236		0.0225	0.04
Monitoring	Nitrate			NT			ND		ND	ND		ND	ND	ND	ND		ND	ND
	pН			NT		NT	6.01	5.28			5.49	5.59	5.36	6	5.61	5.71	5.94	6.42
<u> </u>	Potassium			NT		NT	5.71	7.17	6.81	13.7	6.83	6.41	6.84	7.39	6.78		5.83	5.9
	Selenium	0.0029	0.0067	0.0022		ND	0.0048		0.0062	0.0185		ND	0.00713		ND	ND	0.00542	
	Silver	ND		ND			ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
	Sodium			NT		NT	107	97.5	101	38.5	99.8	99.4	95.1	99.5	102		99.7	95
	Spec. Cond.			NT		NT	1444	1363			1227	1405	1499	1552	1481	1274	1510	1276
	Sulfate					NT	12.6	14.9	18.4	17	-	15.8	15.7	16.6	15.7	20	15.4	12.5
	TDS		NT	NT		NT	1192	1032	1068	908		1048		830	936		854	908
	Thallium			ND			ND		ND	ND		ND		ND			ND	ND
	Turbidity			Nt		Nt	1.97	19.4	3.31	0.83		NT	NS	0	0		0	Ű
	Vanadium			ND			ND		ND	0.0919		ND	ND	ND	ND		ND	ND
	Zinc	0.0229	0.0219	0.025	0.0305	0.0305	0.0249	0.025	0.0218	0.267	0.021	0.0211	0.0223	0.0206	0.0192	0.0222	0.0189	0.022

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Metals and Other Water Quality Parameters - Long Term Summary

N         N				Juli			- all		aunty	<b>,                                    </b>				'''9 '	<b>C</b> 111			· <b>J</b>	
Figure 1         Armonia         NT	Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
Figure 1         Antimory         ND		Alkalinity	NT	NT	NT	NT	NT	110	100	108	44	106	116	113	119	126	123	138	125
Arsenic         ND         ND <t< td=""><td></td><td>Ammonia</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>		Ammonia	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium         0.0565         0.0146         0.0228         ND         0.0288         0.0186         0.0211         0.0133         0.0211         0.0173         0.0174         0.018         0.0184         0.0178         0.0206         0.0215         0.01           Beryllum         ND		Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propertug         ND		Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium         NT         ND         ND <t< td=""><td></td><td>Barium</td><td>0.0565</td><td>0.0146</td><td>0.0228</td><td>ND</td><td>0.0298</td><td>0.0186</td><td>0.0211</td><td>0.0153</td><td>0.0211</td><td>0.0173</td><td>0.0174</td><td>0.018</td><td>0.0194</td><td>0.0178</td><td>0.0206</td><td>0.0215</td><td>0.014</td></t<>		Barium	0.0565	0.0146	0.0228	ND	0.0298	0.0186	0.0211	0.0153	0.0211	0.0173	0.0174	0.018	0.0194	0.0178	0.0206	0.0215	0.014
Calcium         NT         ND         ND <t< td=""><td></td><td>Beryllium</td><td>ND</td><td>ND</td><td>ND</td><td></td><td></td><td></td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td></td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>		Beryllium	ND	ND	ND				ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
Chloride         NT         ND         ND         <		Cadmium	NT	NT	NT	NT	NT	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND
Propertug         ND		Calcium	NT	NT	NT			33.3	39	32.3	34.1	33	38.3	26.5	36.7			36.5	39
Cobalt         ND         ND <th< td=""><td></td><td>Chloride</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>69.9</td><td>83.9</td><td>65.8</td><td>80.1</td><td>62.7</td><td>76.9</td><td>66.4</td><td>79</td><td>70.5</td><td>77.9</td><td>77.4</td><td>80.7</td></th<>		Chloride	NT	NT	NT	NT	NT	69.9	83.9	65.8	80.1	62.7	76.9	66.4	79	70.5	77.9	77.4	80.7
Fig         Cobait         ND         ND <t< td=""><td></td><td>Chromium</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>		Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Coper         0.0048         0.009         0.0057         ND         0.0061         0.0062         0.0068         ND         ND         0.00512         ND	<b>~</b>	Cobalt							ND		ND	ND					ND		
Proper         Oxord         Oxord <t< td=""><td></td><td>COD</td><td></td><td></td><td>NT</td><td></td><td></td><td>ND</td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		COD			NT			ND					_						
Marganese         NT         ND		Copper	0.0048	0.009	0.0055				0.0062		ND			ND	0.0102	ND	ND	ND	ND
Marganese         NT         ND	L LO	Hardness		NT															202
Marganese         NT         ND	ţi	Iron		NT	NT														
Marganese         NT         ND	Ca l	Lead							· · =				ND						
Marganese         N1         N1         N1         0.102         0.131         0.107         0.108         0.114         0.119         0.103         0.113         0.103         0.103         0.103         0.103         0.103         0.103         0.103         0.103         0.103         0.103         0.103         0.10	P P	Magnesium																	25
Selenium         ND         <		Manganese																	0.1
Selenium         ND         <	l d	Mercury																	
Selenium         ND         <	, i	Nickel																	0.0088
Selenium         ND         <	it									1.377	1.59								0.74
Selenium         ND         <	L L																		5.81
Selenium         ND         <	N N	Potassium						-	0.01										3.1
Sodium         NT         NT         NT         NT         Q4.5         Q7.8         Q5.4         Q7.9         Q2.8         30         18.2         Q8.4         Q1.2         Q2         Q5.1         Q2           Spec. Cond.         NT         NT         NT         NT         NT         NT         481.7         511.8          421.1         497.1         417.9         545.7         436.3         469.9         481.6         444.           Sulfate         NT         NT         NT         NT         7.14         14.9         7.13         4.78         5.57         12         4.58         13.4         5.79         14.4         11.6         1           TDS         NT         NT         NT         NT         308         400         408         120         296         340         312         236         364         308         292         33           Thallium         ND	_																		
Spec. Cond.         NT         NT         NT         NT         VI         481.7         511.8         421.1         497.1         417.9         545.7         436.3         469.9         481.6         444.           Sulfate         NT         NT         NT         NT         NT         7.14         14.9         7.13         4.78         5.57         12         4.58         13.4         5.79         14.4         11.6         1           TDS         NT         NT         NT         NT         NT         308         400         408         120         296         340         312         236         364         308         292         33           Thallium         ND         ND <td></td> <td>=</td> <td>=</td>																		=	=
Sulfate         NT         NT         NT         NT         7.14         14.9         7.13         4.78         5.57         12         4.58         13.4         5.79         14.4         11.6         1           TDS         NT         NT         NT         NT         NT         308         400         408         120         296         340         312         236         364         308         292         33           Thallium         ND         ND<									27.8	25.4	27.9				28.4	21.2	22	25.1	27
TDS         NT         NT         NT         NT         308         400         408         120         296         340         312         236         364         308         292         33           Thallium         ND         ND <td></td> <td>Spec. Cond.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>511.8</td> <td></td> <td></td> <td></td> <td>497.1</td> <td>417.9</td> <td>545.7</td> <td>436.3</td> <td>469.9</td> <td>481.6</td> <td>444.7</td>		Spec. Cond.							511.8				497.1	417.9	545.7	436.3	469.9	481.6	444.7
Thallium         ND         <		Sulfate		NT	NT			7.14	14.9	7.13	4.78						14.4		16
Turbidity         NT         NT         NT         2.49         5.15         0.328         0.167         NT         NS         0         1.26         1.36         0.9           Vanadium         ND         <		TDS		NT	NT									-					338
Vanadium ND															ND				ND
															•				0
																· ·			
		Zinc	0.013	0.0478	0.0222	0.0236	0.0125	ND	0.0134	0.00773	0.00765	0.00631	0.00533	0.0082	0.00511	0.00586	0.00842	0.00958	ND

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	242	93	230	74	228	51	226	33	151	29	91	33
	Ammonia	NT	NT	NT	NT	NT	0.646	0.228	0.29	ND	0.307	ND	0.274	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	0.0069	ND	ND	ND	ND	ND	0.007	ND	ND	ND	ND	ND
	Barium	0.0364	0.2282	0.0856	0.1015	0.0881	0.119	0.0902	0.0785	0.0857	0.0919	0.0722	0.0923	0.0709	0.0624	0.0635	0.0944	0.051
	Beryllium	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT		NT	0.0042	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	29.5	20.3	18	14.8	21.6	16.5	18.3	12.9	16.8	12	11.6	9.5
	Chloride	NT	NT	NT	NT	NT	3.16	3.48	7.73	4.61	10	3.95	11.9	4.73	10.8	4.04	10.3	5.96
5	Chromium	ND	0.0521	ND	ND	ND	0.019	ND	ND	0.0053	ND	ND	0.0114	ND	ND	ND	0.00956	ND
~	Cobalt	ND	0.0599	0.0095	ND	0.0134	0.0273	0.0099	ND	0.0072	0.00621	ND	0.0165	ND	0.0116	ND	0.0174	ND
B	COD	NT	NT			NT	49.3	11.1	11.2		27.3		17.8	ND	ND	ND	11.4	
0	Copper	0.0061	0.1171	0.0067		ND	0.0475	0.0103	0.0083	0.0119	0.0094	0.00664	0.0408	0.01	0.00585	0.00693	0.0281	0.0018
uo	Hardness	NT	NT	NT		NT	600		165	114			120	94	120	96	102	112
ocation	Iron	NT	NT	NT	NT	NT	54.9	16	27.3	9.24			-	2.85	17.3	1.98	52.5	-
ca	Lead	ND	0.0409	ND		ND	0.017	ND	ND	ND	ND	ND	0.00794		ND	ND	0.00818	ND
Õ	Magnesium		NT			NT	23.2	24.5	17.4	22				16			14.5	
J L	Manganese	NT	NT	NT		NT	5.73			1.78	3.27		2.5	0.163	1.1	0.13	0.639	0.028
Monitoring	Mercury	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ori	Nickel	0.0086	0.112	0.0084	0.0072	0.0157	0.0473	0.0178	0.0098	0.0149				0.0141	0.00799		0.0214	
ito	Nitrate	NT	NT			NT	ND	ND	0.008	ND	ND	ND	ND	0.292	ND	0.678	ND	1.78
, D	pН	NT	NT	NT	NT	NT	6.01	6.62			6.15			5.78	NM	5.4	6.03	6.26
٩0 ١	Potassium		NT			NT	3.15	2.3	2.18	2.29	2.46		-	2.04	2.07	1.84	1.8	1.7
~	Selenium	ND	ND			ND	ND		ND	ND	ND	ND		ND	ND		ND	ND
	Silver	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	35	14.5	53.3	36.1	59.1	29.2	62.5	26.1	50.6	17.3	30.6	20
	Spec. Cond.	NT	NT	NT	NT	NT	576.4	368.7			535.4	323.1	521.8	329	NM	236.8	248.6	202.3
	Sulfate	NT	NT			NT	78.6	78.1	56.5	78.9	49.2	93.2	37.9	92.8	63.3	91.8	69.1	79
	TDS	NT	NT	NT	NT	NT	328	252	324	420	528	272	308	184	244	164	198	192
	Thallium	ND	0.0024			ND	ND		ND	ND		ND		ND	ND		ND	ND
	Turbidity		NT		NT	NT	125			96.8	NT	NT	NS	46.8	NM	33	48.1	22.1
	Vanadium	ND	0.0282	ND	ND	ND	0.0052	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	1.2155	0.022	0.021	0.0955	0.0955	0.698	0.0329	0.0212	0.0544	0.0668	0.0966	0.397	0.136	0.0516	0.0723	0.183	0.034

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	423	416	472	282	267	249	374	268	387	194	287	316
	Ammonia	NT	NT	NT	NT	NT	1.57	0.771	3.69	0.629	1.91	0.731	2.31	ND	2.94	ND	0.95	ND
	Antimony	ND	ND	ND	0.0212	ND												
	Arsenic	ND	ND	0.0024		ND	0.0037	0.012	ND	ND	ND	ND	ND	ND	ND	ND	0.0263	ND
	Barium	0.0832	0.1065	0.1388	0.1179	0.1126	1.31	0.445	0.192	0.195		0.146	0.631	0.0769	0.175	0.0539	0.624	0.071
	Beryllium		ND	ND		ND	0.0137	0.0057	ND	ND	ND	ND	0.00617		ND	ND	0.116	ND
	Cadmium	NT	NT	NT	NT	NT	0.0174	0.0072	ND	ND	ND	ND	ND	ND	ND	ND	0.115	ND
	Calcium		NT	NT		NT	111	89.9	90.2	92.7	65.1	73.3	89.5	56.2	91.2		61.9	81
	Chloride		NT	NT		NT	156	183	173	62.3			158	59.5	175	34.8	80.2	147
5	Chromium	ND	0.0046	0.0089		ND	0.105	0.141	0.0193		ND	0.0297	0.0174	0.00811	0.0117	0.00604	0.305	0.0082
N	Cobalt	0.0187	0.0229	0.0329	0.027	0.0241	0.418	0.272	0.0532	0.0244	0.0285	0.0393	0.122	0.00673	0.0373		0.336	0.009
B	COD			NT		NT	1080	79.4	90	107	19.6	18.6	23.5	21.6	17.2		28.6	20
0	Copper	0.0065	0.0083	0.0146		ND	0.364	0.188	0.0302	0.0062	0.0168	0.0374	0.143	0.0194	0.0153	0.00796	0.337	0.0042
uo	Hardness			NT		NT	740	520	750	450		356	500	316	490		354	440
Iti	Iron			NT		NT	239	210	29.9	1.32			25.9	4.68	17	<b>.</b>	163	0.79
ocation	Lead		ND	0.0026		ND	0.148	0.0358		ND	0.0137	0.00771	0.0269		ND	ND		ND
9 P	0			NT		NT	82.8	109	71.6	70.2		57.7	62.4	41.5	69		90.3	59
J L	Manganese			NT		NT	55.8	33.5		6.86			20.7	0.818	18.2	-	12.8	14
Monitoring	Mercury			ND		ND	0.0003		ND	0.00142		0.00129	0.00052		0.00022		0.00023	
ri	Nickel	0.0113	0.0161	0.0215	0.0128	0.0127	0.226	0.281	0.0506	0.0183	0.0128	0.0467	0.062	0.0129	0.0256		0.4	0.022
ite	Nitrate			NT		NT	0.6782	2.31	ND	1.33		ND	ND	0.606		2.13	0.756	2.22
n	рН					NT	6.19	5.51			8.7	7	5.98	7.16	6.12		6.89	
ы	Potassium					NT	17.6	15.9	16.6	7.24	-	_	16.8		-		13.2	14
_	Selenium	ND	0.0023			ND	0.0364	0.0172	0.0059		ND	0.00523	0.00877		ND	ND	0.0411	
	Silver			ND			ND		ND	ND	ND	ND	ND	ND	ND	ND		ND
	Sodium			NT		NT	84	76.6	88.9	100		43.9	69	39	83.5	20.4	38.4	66
	Spec. Cond.					NT	1301	1340			NT	627.7	931.1	394.5	807.1	491.2	544	959.8
	Sulfate		NT	NT		NT	71.8	75.3	67	32.1	39.7	44.1	61.8	39.6	65		37.2	47.5
	TDS		NT	NT	NT	NT	888	916		532	-		756	454	838	-	516	
	Thallium			ND			ND		ND	ND		ND	ND	ND		ND	0.0778	
	,					NT	10100	3870		15050		NT	NS	51			37.6	
	Vanadium		ND	0.0087		ND	0.156	0.129	0.0141	ND	0.00768	0.0236	0.0452	0.00766	0.00998	ND	0.261	
	Zinc	NT	NT	NT	NT	NT	3.95	1.09	0.109	0.0216	0.0256	0.112	0.13	0.0196	0.04	0.015	0.962	0.0085

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	80	115	79	98	31	99	38	68	29	180	52	154
	Ammonia	NT	NT	NT	NT	NT	ND	0.239	ND	ND	ND	ND	ND	ND	ND	0.895	ND	0.233
	Antimony	ND	ND	ND	NT	ND	ND	ND										
	Arsenic	ND	ND	ND	NT	ND	ND	ND										
	Barium	0.0481	0.0545	0.0454	NT	0.0786	0.0588	0.0596	0.0681	0.029	0.0197	0.0367	0.0197	0.063	0.0165	0.0888	0.0288	0.063
	Beryllium	ND	ND	ND			ND		ND	ND								
	Cadmium		NT	NT	NT	NT	ND	ND										
	Calcium		NT	NT		NT	33.4	36.7	32.5	27.4		31.2	14.4	31.1	11.4	61.7	20.1	70
	Chloride		NT	NT	NT	NT	58.2	102	67.7	38.1	5.32	157	13.1	75.3	10.2	1090	30.7	806
	Chromium		ND	ND	NT	0.0041			ND	ND		ND		ND	ND	ND	ND	ND
15	Cobalt			ND	NT		ND		ND	ND								
U L	COD			NT		NT	ND	7.2	-	24.8		22.8	-		ND		ND	35.5
S	Copper	0.0059	0.0076	0.005		0.0139	0.0058	0.0085	0.0077	0.0062		0.00811		0.00576			ND	0.0062
ocation	Hardness		NT			NT	160	180		95		122	48		36		74	-
ati	Iron		NT			NT	0.372	0.814	0.701	0.863		0.846	0.68	0.454	0.345		0.62	
ö	Lead	· · -			NT	0.0032		ND	ND	ND								
9 9	U U					NT	13.7	17.6			-	12		16		20.3	5.93	
g l	Manganese					NT	0.101	0.294	0.19	0.109	0.0434	0.245	0.0766	0.155	0.0382	0.329	0.201	0.25
Monitoring	Mercury			ND			ND		ND	ND								
ori	Nickel	0.0087	0.0069	0.0097		0.0172	0.0083	0.0104	0.0078	0.0052			ND	0.00894		0.0119		0.013
ite	Nitrate					NT	1.465	1.3279	1.3876	0.401		0.799		1.66		1.6949		1.14
L L	рН					NT	7.39	7.19			7.34	7.55	6.19	6.46			6.61	8.01
Ň	Potassium			NT		NT	2.59			3.48		4.16	-		1.14		1.63	
_	Selenium			ND			ND		ND	ND	ND	ND		ND	ND	ND	ND	ND
	Silver			ND			ND		ND	ND	ND	ND		ND	ND	ND	ND	ND
	Sodium		NT	NT		NT	24.5	59	24.8	28		108	7.36	29.1	7.17	607	12.3	450
	Spec. Cond.	NT	NT	NT	NT	NT	386.7	538.8			82.1	703.9	118.1	526.3	93.3	3441	200	
	Sulfate		NT	NT	NT	NT	20.7	15.6	25.5	7.19	4.42	8.46	ND	12.6	ND	25.3	4.59	
	TDS		NT	NT	NT	NT	280	368		204		392	100	222	6		134	
	Thallium		ND	ND			ND		ND	ND		ND		ND	ND		ND	ND
	Turbidity		NT	NT	NT	NT	3.04		6.06	25.6	NT	NT		NS	6.2	-		15.9
	Vanadium	ND	ND	ND	NT	0.0027	ND	ND										
	Zinc	0.0246	0.0187	0.0296	NT	0.0536	0.0202	0.0243	0.0174	0.0131	0.0103	0.0155	0.0065	0.0207	0.00503	0.0167	0.00583	0.019
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Metals and Other Water Quality Parameters - Long Term Summary

SpringSpringSpringSpring2012201220102010201320122012201320122013	Fall 2013	ing 14	- 4	ē.,
		Spring 2014	Fall 2014	Spring 2015
Alkalinity NT NT NT NT NT 64 74 70 60 49 52 72 5	6 57	7 64	4 60	56
Ammonia NT NT NT NT NT ND	ND	ND	ND	ND
Antimony ND	ND	ND	ND	ND
Arsenic ND	ND	ND	ND	ND
Barium 0.0288 0.0431 0.0433 0.0373 0.1051 0.0392 0.0544 0.0482 0.046 0.0357 0.0397 0.0423 0.0554	9 0.044	0.0927	0.0514	0.047
Beryllium ND	ND	ND	ND	ND
Cadmium NT NT NT NT NT ND ND ND ND ND ND ND ND ND	ND	ND	ND	ND
Calcium NT NT NT NT NT 25.7 34 31.6 23.1 33.4 23.3 24.9 29.4				
Chloride NT NT NT NT NT NT 197 93.2 102 50.1 110 47 33	5 67.8	3 928	3 77.4	332
Chromium 0.0027 ND	ND	ND	ND	ND
Cobalt ND	ND	ND	ND	ND
	8 ND	14.3		ND
O Copper 0.0104 0.0066 0.0094 0.0089 0.0152 0.0056 0.0105 0.0068 0.0052 0.00623 0.00914 ND 0.015		0.00839		0.0031
Hardness         NT         NT         NT         NT         340         150         180         113         73         98         100         133           Iron         NT         NT         NT         NT         NT         0.525         1         0.705         0.661         0.75         0.474         0.704         0.633           Lead         0.0021         ND         ND         ND         ND         ND         ND         0.00528         ND         ND         ND           Magnesium         NT         NT         NT         NT         12.3         19.1         16.3         14.2         12.6         11.5         14.2         14.4				
Uron NT NT NT NT NT 0.525 1 0.705 0.661 0.75 0.474 0.704 0.63				-
C Lead 0.0021 ND ND ND ND ND ND ND ND ND 0.00528 ND ND ND	ND	ND	ND	ND
Manganese NT NT NT NT NT 0.0634 0.238 0.0817 0.126 0.051 0.0853 0.117 0.090				
Mercury ND	ND	ND	ND	ND
Nickel 0.0116 0.0077 0.0078 0.006 0.0113 0.0066 0.0155 0.0066 0.0098 0.00741 0.00818 0.00593 0.0084				
Mercury         ND         ND </td <td></td> <td>_</td> <td></td> <td></td>		_		
PH NT NT NT NT 7.41 5.96 6.98 7.38 6.68 7.3				
Potassium NT NT NT NT NT 1.88 3 3.02 2.51 3.08 2.25 2.2 3.0		-		-
	ND	ND	ND	ND
Silver ND	ND	ND	ND	ND
Sodium NT NT NT NT NT 27.5 170 34 53.7 34.5 65.1 15.3 18		3 561	1 24.5	210
Spec. Cond. NT NT NT NT NT 370.8 1116 236.6 489.4 303.4 129	7 340	2780	377.9	1092
Sulfate NT NT NT NT NT 7.6 17.2 13.5 7.5 6.45 7.76 5.56 7.8				
TDS NT NT NT NT NT 244 720 376 372 208 284 228 66	-			
Thallium ND	ND	ND	ND	ND
	5 ND		3 NT	5.8
Vanadium 0.0028 ND	ND	ND	ND	ND
Zinc NT NT NT NT NT ND 0.0124 ND 0.00891 0.00844 0.0106 ND 0.0074	6 0.00635	0.0157	0.00582	0.0084

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

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Metals and Other Water Quality Parameters - Long Term Summary

NT         NT         NT         NT         NT         NT         Top         235         88         243         203         237         98         253         112         74         174         66           Armmonia         NT         NT         NT         ND		-		5 uii			man		Jant	<b>, i u</b> i				<u></u>				· .	
Figure 1         Armonia         NT         ND	Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011		Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
PST         Animony         ND         <		Alkalinity	NT	NT	NT	NT	NT	70	235	88	243	203	237	98	253	112	74	174	65
Arsenic         ND         ND <t< td=""><td></td><td>Ammonia</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>		Ammonia	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium         0.1         0.0404         0.033         0.0314         0.0447         0.0956         0.0431         0.0566         0.079         0.0484         0.044         0.0444         0.0685         0.227         0.033           Beryllium         ND         N		Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllum         ND         <		Arsenic	ND	ND	ND		ND	ND	ND	=	ND	ND	ND	ND	ND	ND	ND		ND
Figure 1         NT         <		Barium	0.1	0.0404	0.038	0.0314	0.0447	0.0912	0.0566	0.0431	0.0556	0.079	0.0484	0.045	0.0644	0.044	0.0685	0.227	0.039
Calcium         NT         State         Stat		Beryllium	ND	ND	ND				ND	ND	ND	ND		ND		ND	ND	ND	ND
Properture         Chloride         NT         NT         NT         NT         S1.7         85.7         98.4         99.6         154         136         91.5         171         68.4         586         89.2         273           Chromium         ND         ND <td></td> <td>Cadmium</td> <td>NT</td> <td>NT</td> <td>NT</td> <td></td> <td></td> <td>ND</td>		Cadmium	NT	NT	NT			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Figs         Chromium         ND		Calcium	NT	NT	NT			18.1	40	34.3	33.9	34.2	30.6	34.3	34.6	40	37.6	23.5	23
VIDENT         Cobalt         0.0134         ND		Chloride	NT	NT	NT	NT	NT	51.7	85.7	98.4	99.6	154	136	91.5	171	68.4	586	89.2	273
Copper         0.0063         0.0075         0.0069         0.0058         0.008         0.0097         0.0066         0.00767         0.00767         0.00768         ND         0.0168         ND         0.00581         0.00267         0.0038           Hardness         NT         ND         ND		Chromium	ND	ND	ND	ND	ND	ND			ND	ND			ND	ND	ND	0.0226	ND
Copper         0.0063         0.0075         0.0069         0.0058         0.008         0.0097         0.0066         0.00767         0.00767         0.00768         ND         0.0168         ND         0.00581         0.00267         0.0038           Hardness         NT         ND         ND	65	Cobalt						0.0137		=									
Fight         0.0063         0.0069         0.0068         0.0068         0.0068         0.0068         0.0076         ND         0.0176         ND         0.0176         ND         0.0076         ND         ND         ND         0.0076         ND	ЭТ I	COD		NT			NT	34.8	-	7.7								-	-
Marganese         NT         ND		Copper	0.0063	0.0069	0.0075			0.008	0.0097	0.0066	0.0067	0.00767	0.00768	ND	0.0168	ND	0.00551	0.0267	0.0035
Marganese         NT         ND	or	Hardness	NT	NT	NT	NT	NT		222	170		174				170	174	158	
Marganese         NT         ND	ati	Iron		NT	NT						0.657							-	
Marganese         NT         ND	S																	0.0244	ND
Mercury         ND         ND <t< td=""><td>9 P</td><td>U U</td><td></td><td>NT</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	9 P	U U		NT															
Selenium         ND         <	] l	Manganese									0.143			0.0182					
Selenium         ND         <	bù	Mercury																	
Selenium         ND         <	ori	Nickel																	0.0085
Selenium         ND         <	ite	Nitrate								1.117	0.392							1.0775	1.15
Selenium         ND         <	n	рН		NT	NT				6.31										7.53
Selenium         ND         <	Ň										14.8	-						-	
Sodium         NT         NT         NT         NT         25.7         110         37         121         115         136         26.3         136         27.5         345         75.9         156           Spec. Cond.         NT         NT         NT         NT         NT         302.3         884.2          795.9         872.7         471.5         1037         466.9         1916         563         813.7           Sulfate         NT         NT         NT         NT         5.32         42.1         10.8         26.6         32.8         25.4         10.4         26.3         29.2         19.8         10.7         13.9           TDS         NT         NT         NT         NT         196         500         500         524         588         532         360         562         352         10.38         370         470           TDS         NT         NT         NT         NT         196         500         500         524         588         532         360         562         352         1038         370         470           Thallium         ND         ND         ND         ND         ND	_																		
Spec. Cond.         NT         NT         NT         NT         302.3         884.2         795.9         872.7         471.5         1037         466.9         1916         563         813.7           Sulfate         NT         NT         NT         NT         NT         5.32         42.1         10.8         26.6         32.8         25.4         10.4         26.3         29.2         19.8         10.7         13.5           TDS         NT         NT         NT         NT         196         500         500         524         588         532         360         562         352         1038         370         470           Thallium         ND																			
Sulfate         NT         NT         NT         Sulfate         NT         NT         NT         Sulfate         Sulfate         Sulfate         Sulfate         NT         NT         NT         Sulfate         Sulfate         Sulfate         NT         NT         NT         Sulfate         Sulfate         Sulfate         Sulfate         Sulfate         NT         NT         NT         Sulfate         Sul				NT	NT				110	37	121		136	26.3	136	27.5	345	75.9	150
TDS         NT         NT         NT         196         500         500         524         588         532         360         562         352         1038         370         470           Thallium         ND         ND </td <td rowspan="6"></td> <td>Spec. Cond.</td> <td></td> <td>NT</td> <td>NT</td> <td>NT</td> <td>NT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>466.9</td> <td>1916</td> <td>563</td> <td></td>		Spec. Cond.		NT	NT	NT	NT									466.9	1916	563	
Thallium         ND         <		Sulfate		NT	NT			5.32	42.1	10.8	26.6	32.8	25.4	10.4	26.3	29.2	19.8	10.7	13.5
Turbidity         NT         NT         NT         90.3         5.03         0.696         8.26         NT         NS         NS         0         NR         NT         7.5           Vanadium         ND         ND         ND         ND         0.0036         ND         ND         ND         ND         ND         ND         ND         ND         0.0281         ND		TDS		NT	NT												1038		-
Vanadium ND ND ND ND ND 0.0036 ND		Thallium		ND	ND				ND										
		Turbidity		NT	NT	NT	NT			0.696	8.26	NT							7.5
		Vanadium	ND			ND	ND	0.0036	ND	ND	ND	ND			ND	ND	ND	0.0281	ND
		Zinc	0.0185	0.0032	ND	ND	0.0058	0.0165	0.0053	ND	0.00604	0.00665	0.00539	ND	0.00538	ND	0.00897	0.0863	0.0098

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity	NT	NT	NT	NT	NT	109	106	115	105	81	128	79	108	92	105	82	121
	Ammonia	NT	NT	NT	NT	NT	ND	0.497	ND	0.477	ND	0.383	ND	0.555	ND	0.612	ND	0.393
	Antimony	ND	ND	ND														
	Arsenic	ND	ND	ND														
	Barium	0.0509	0.0699	0.0508	0.0549	0.1404	0.0624	0.0596	0.0632	0.0498	0.0488	0.0706	0.0544	0.0732	0.0606	0.0934	0.082	0.061
	Beryllium	ND	ND	ND														
	Cadmium	NT	NT	NT	NT	NT	ND	ND										
	Calcium	NT	NT	NT	NT	NT	38.2	37.9	42.8	32.5	27.4	56.8	31.7	49.3	39.8	44.1	37.7	46
	Chloride	NT	NT	NT	NT	NT	85.8	68.8	97.6	79.8	50.6	122	49.5	145	62.6	674	76	229
	Chromium	0.0034	0.0194	0.0033	ND	0.0422	ND	ND	ND	ND	ND	0.0234	ND	0.0253	0.0229	ND	0.0113	ND
T70	Cobalt	ND	ND	ND		ND												
	COD	NT	NT	NT	NT	NT	ND	14.1	10	18.5	15.3	17.2	19.5	ND	22.4	15.3	14.5	ND
S	Copper	0.0072	0.0109	0.007	0.0076	0.0127	0.0067	0.009	0.0076	0.0066	0.00714	0.00996	0.00663	0.00699	0.00922	0.00726	0.00569	0.0033
ocation	Hardness	NT	NT	NT	NT	NT	170	150	170	128	-	188	124	180			148	200
ţ.	Iron	NT	NT	NT	NT	NT	0.421	0.98	0.357	1.04	0.555	1.36	0.466	0.77	0.486	0.706	0.498	0.39
Co l	Lead	ND	0.0039	ND	ND	0.0027	ND	ND										
<b>9</b>	Magnesium	NT	NT	NT	NT	NT	16.3	15.9	17.8	13.6	8.98	16.5	11.7	18.9		-	10.9	21
	Manganese	NT	NT	NT	NT	NT	0.154	0.274	0.147	0.185	0.0928	0.436	0.0764	0.276	0.0973	0.344	0.0795	0.32
) ů	Mercury	ND	ND	ND		ND	ND	ND										
Monitoring	Nickel	0.0074	0.007	0.0085	0.0052	0.0095	0.0086	0.0136	0.0077	0.0086	0.00908	0.00831	0.00762	0.00775	0.00737	0.0103	ND	0.011
iž I	Nitrate	NT	NT	NT		NT	1.8591	1.124	1.4818	0.831	0.774	1.489	0.878	2.071	0.523	1.481	0.869	1.35
L L	рН		NT	NT		NT	7.54	6.61			7.05	8.51	6.53	6.52	7.45		9.41	7.72
Š	Potassium		NT	NT		NT	4.3	4.4	6.84	4.15	4.52	13.1	5.33	14.3	13.5	14.3	12.3	
_	Selenium	ND	ND	ND			ND	ND	ND	ND	ND		ND	ND	ND	ND		ND
	Silver	ND	ND	ND			ND	ND	ND	ND	ND		ND	ND	ND	ND		ND
	Sodium	NT	NT	NT	NT	NT	34.2	69.8	40.1	45.6		77.1	22.1	70.3	25.9	384	30.7	130
	Spec. Cond.	NT	NT	NT	NT	NT	520.6	625.1			291.6	691	315.7	739	424.7	2485	447.1	862.9
	Sulfate	NT	NT	NT	NT	NT	20.8	18.4	25.2	12.8	11.6	41.4	27.4	29.7	28.7	24.1	28.1	20.4
	TDS	NT	NT	NT	NT	NT	352	392	524	312	256	448	256	380	308	1286	276	574
	Thallium	ND	ND	ND														
	Turbidity	NT	NT	NT	NT	NT	1.96	9.24	0.753	10.7	NT	NT	NS	155	0.6	3	NT	1.8
	Vanadium	ND	ND	ND														
	Zinc	0.0167	0.0187	0.016	ND	0.0342	ND	0.0166	0.00661	0.0145	0.0121	0.0143	0.0111	0.0136	0.0215	0.0257	0.0101	0.014

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Metals and Other Water Quality Parameters - Long Term Summary

Image: Second		-							Jant					<u></u>				· <b>J</b>	
NT         ND         ND<	Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
Partimory         ND		Alkalinity	NT	NT	NT	NT	NT	48	110	44	32	42	34	54	34	569	31	41	33
Image:         ND         ND <th< td=""><td></td><td>Ammonia</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>ND</td><td>0.456</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></th<>		Ammonia	NT	NT	NT	NT	NT	ND	0.456	ND	ND								
Barium         0.0227         0.040         0.0305         0.0365         0.0352         0.0315         0.0346         0.044         0.0408         0.0331         0.0505         0.037         0.04           Beryllium         ND         ND <td></td> <td>Antimony</td> <td>ND</td>		Antimony	ND	ND	ND														
Beryllium         ND		Arsenic	ND	ND	ND														
Cadmium         NT         NT <t< td=""><td></td><td>Barium</td><td>0.0297</td><td>0.049</td><td>0.0305</td><td>0.0405</td><td>0.0513</td><td>0.0365</td><td>0.0532</td><td>0.0311</td><td>0.0387</td><td>0.0315</td><td>0.0346</td><td>0.044</td><td>0.0408</td><td>0.0391</td><td>0.0505</td><td>0.037</td><td>0.043</td></t<>		Barium	0.0297	0.049	0.0305	0.0405	0.0513	0.0365	0.0532	0.0311	0.0387	0.0315	0.0346	0.044	0.0408	0.0391	0.0505	0.037	0.043
Calcium         NT         ND         ND <t< td=""><td></td><td>Beryllium</td><td>ND</td><td>ND</td><td></td><td></td><td></td><td>ND</td><td>ND</td><td>ND</td><td>ND</td><td></td><td></td><td></td><td></td><td>ND</td><td>ND</td><td>ND</td><td>ND</td></t<>		Beryllium	ND	ND				ND	ND	ND	ND					ND	ND	ND	ND
Propertion         Chioride         NT		Cadmium	NT	NT	NT	NT	NT	ND	ND										
OFF         Chromium         0.0026         0.0021         ND		Calcium	NT	NT	NT	NT	NT	16.2	37.9	12.5	11.8	11.9	14.2	18.6	16.5	17.5	16.4	15.8	14
Cobalt         ND         ND <th< td=""><td></td><td>Chloride</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td>32.6</td><td>92.3</td><td>28.6</td><td>27.1</td><td>29.4</td><td>45.8</td><td>38.1</td><td>107</td><td>43</td><td>207</td><td>40.9</td><td>177</td></th<>		Chloride	NT	NT	NT	NT	NT	32.6	92.3	28.6	27.1	29.4	45.8	38.1	107	43	207	40.9	177
Copper         0.0072         0.0071         0.0061         0.0064         0.0066         0.0068         0.0051         0.00578         ND         0.00609         0.00841         ND         ND         0.002           Hardness         NT         ND		Chromium	0.0026	0.0021	ND														
Copper         0.0072         0.0071         0.0061         0.0064         0.0066         0.0068         0.0051         0.00578         ND         0.00609         0.00841         ND         ND         0.002           Hardness         NT         ND	80	Cobalt																	
Proper         0.00/2         0.00/7         0.00/7         0.00/8         0.0/8         0.0/8         0.0/8 <td>Ŭ,</td> <td>COD</td> <td>NT</td> <td>NT</td> <td>NT</td> <td>NT</td> <td>NT</td> <td>ND</td> <td>12.5</td> <td>17</td> <td>14.6</td> <td>12.5</td> <td></td> <td></td> <td>ND</td> <td></td> <td></td> <td></td> <td></td>	Ŭ,	COD	NT	NT	NT	NT	NT	ND	12.5	17	14.6	12.5			ND				
Manganese         NT		Copper	0.0072	0.007			0.0064			0.0066	0.0068		0.00578					ND	0.0026
Manganese         NT	or	Hardness									-							-	_
Manganese         NT	ati	Iron		NT															
Manganese         NT	S	Lead	ND	ND				ND	ND	ND			ND		ND	ND		ND	ND
Mercury         ND         ND <t< td=""><td>9 9</td><td>Magnesium</td><td>NT</td><td>NT</td><td>NT</td><td></td><td></td><td>7.41</td><td>15.4</td><td></td><td>5.73</td><td>-</td><td></td><td>11.2</td><td>8.71</td><td></td><td>9.32</td><td>7.83</td><td>7.3</td></t<>	9 9	Magnesium	NT	NT	NT			7.41	15.4		5.73	-		11.2	8.71		9.32	7.83	7.3
Selenium         ND         <	g l	Manganese									0.149			0.184	0.115			0.149	
Selenium         ND         <	ů	Mercury																	
Selenium         ND         <	ori	Nickel	0.0056	0.0043															0.0058
Selenium         ND         <	ite	Nitrate								0.35	0.856	0.423				0.309			
Selenium         ND         <	n	pН										7					-		
Selenium         ND         <	Ň	Potassium	NT	NT	NT			3.08	4.64	2.68	2.16			3.8	2.69	3.86	2.53	2.6	3
Sodium         NT         NT         NT         NT         17.4         69         14         14.6         12.1         28.2         16.4         64.6         17.2         110         14.9         9           Spec. Cond.         NT         NT         NT         NT         NT         NT         216.2         616.7         162.9         234.2         255         466.6         231.3         685.1         211.2         541.           Sulfate         NT         NT         NT         NT         8.16         17.3         5.53         6.57         6.04         5.77         5.55         8.53         6.35         10         5.89         8.6           TDS         NT         NT         NT         NT         144         380         168         144         160         168         160         246         180         396         168         36           TDS         NT         NT         NT         NT         144         380         168         144         160         168         160         246         180         396         168         36           Thallium         ND         ND         ND         ND         ND	_	Selenium																	
Spec. Cond.         NT         NT         NT         NT         216.2         616.7         162.9         234.2         255         466.6         231.3         685.1         211.2         541.           Sulfate         NT         NT         NT         NT         NT         8.16         17.3         5.53         6.57         6.04         5.77         5.55         8.53         6.35         10         5.89         8.6           TDS         NT         NT         NT         NT         144         380         168         144         160         168         160         246         180         396         168         36           Thallium         ND         ND <td></td> <td>Silver</td> <td></td> <td>· ·</td> <td></td> <td></td> <td></td> <td></td>		Silver													· ·				
Sulfate         NT         NT         NT         NT         8.16         17.3         5.53         6.57         6.04         5.77         5.55         8.53         6.35         10         5.89         8.6           TDS         NT         NT         NT         NT         NT         144         380         168         144         160         168         160         246         180         396         168         36           Thallium         ND         N			NT	NT	NT				69	14	14.6		28.2	16.4	64.6	17.2	110	14.9	92
TDS         NT         NT         NT         NT         144         380         168         144         160         168         160         246         180         396         168         366           Thallium         ND         ND <td rowspan="6"></td> <td>Spec. Cond.</td> <td>NT</td> <td>NT</td> <td>NT</td> <td></td> <td></td> <td>216.2</td> <td>616.7</td> <td></td> <td></td> <td>162.9</td> <td>234.2</td> <td>255</td> <td>466.6</td> <td>231.3</td> <td>685.1</td> <td>211.2</td> <td>541.2</td>		Spec. Cond.	NT	NT	NT			216.2	616.7			162.9	234.2	255	466.6	231.3	685.1	211.2	541.2
Thallium         ND         <		Sulfate	NT	NT	NT			8.16	17.3	5.53	6.57	6.04	5.77	5.55	8.53	6.35	10	5.89	
Turbidity         NT         NT         NT         NT         1.85         7.23         7.86         91.8         NT         NS         1000+         4         8.8         NT         2           Vanadium         0.0028         ND         <		TDS	NT	NT	NT	NT	NT	144	380	168	144	160	168	160	246	180	396	168	362
Vanadium 0.0028 ND		Thallium	ND	ND											ND	ND			ND
		Turbidity			NT	NT	NT	1.85	7.23	7.86	91.8	NT	NT	NS	1000+	4	8.8	NT	24
		Vanadium	0.0028	ND	ND	ND					ND	ND			ND	ND	ND	ND	ND
L IZINC I U.UUST		Zinc	0.0091	0.0085	0.0066	ND	0.0078	ND	0.0119	ND	0.00952	0.00561	0.00612	ND	0.00635	0.0128	0.00834	0.00786	0.0073

NT: Not Tested

NS: Not Sampled

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Note: MCL exceedances are indicated in Red

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	L.	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								48	49	49	58	52	49	49	47	43	45
	Ammonia								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic				_				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium								0.0057	0.0081	0.0089	0.00843			0.00851	0.00701	0.00849	ND
	Beryllium			ln					ND	ND	ND			ND	ND	ND	ND	ND
	Cadmium								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium			D S					6.83	8.18		8.77	10.4	9.07	8.27		7.68	
	Chloride								ND	ND	ND	2.75		3.24			2.6	3.66
m	Chromium			al					0.0055	ND	0.00501	0.00854			0.00711	ND	ND	ND
11	Cobalt			st					ND		ND	ND	0.0205			ND	ND	ND
3	COD			ů					ND		ND			ND		ND	ND	ND
Σ	Copper			_					0.0086		0.00799			0.0159			0.00531	0.0025
L L	Hardness			S					30									
tic	Iron								1.22	0.651	1.56			1.34	0.623	0.289	0.992	
.ai	Lead			Š	2010				ND	ND	0.00552		0.0117			ND	ND	ND
ŏ	Magnesium			5					3.72	4.58				5.42	4.56		4.36	
	Manganese			δ	N N				0.038			0.0541	0.516	0.0436				
ອເ	Mercury			Ĺ					ND	ND	ND			ND		ND	ND	ND
Lir I	Nickel			Ĺ					0.0055		0.00538		0.271	0.00529			0.00505	
Monitoring Location MW1B	Nitrate			0					ND	ND	ND			ND		ND	ND	ND
ni	pН			Ţ.							5.73				6.1		6.35	
6	Potassium			L L					1.25					1.53			1.14	
2	Selenium			<b>U</b>					ND		ND			ND		ND	ND	ND
	Silver			2					ND	ND	ND			ND		ND	ND	ND
	Sodium			≥					10.2	8.37				12.8			7.31	
	Spec. Cond.			New Monitoring Wells Installed							76.3			113.1	95.5		78.3	
	Sulfate								ND	ND	ND			ND		ND	ND	ND
	TDS								440									
	Thallium								ND		ND			ND		ND	ND	ND
	Turbidity								28.2	39.4	NT	NT	NS	47.7	33.9	12.3	37.5	1.2
	Vanadium								ND	ND	ND	ND	0.022	ND	ND	ND	ND	ND
	Zinc								0.0102	0.00685	0.0145	0.0179	0.109	0.012	0.00722	0.00628	0.0143	0.0068

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								30	40	35	46	54	NS	56	49	28	<u>30</u>
	Ammonia								ND	ND	ND		ND	NS	ND	ND	ND	<u>ND</u>
	Antimony								ND	ND	ND	ND	ND	NS	ND	ND	ND	<u>ND</u>
	Arsenic				-				ND	ND	ND	ND	ND		ND	ND	ND	<u>ND</u>
	Barium								0.0155	0.0299					0.0172	0.0247	0.142	<u>0.012</u>
	Beryllium			ln					ND	ND			ND		ND	ND	ND	<u>ND</u>
	Cadmium								ND	ND			ND		ND		ND	<u>ND</u>
	Calcium			Q					4.89				11.1		13.2		6.29	<u>4.6</u>
	Chloride			Ĩ					ND	2.74			2.63		5.76		3.73	2.69
⊿	Chromium			Installed					0.0084			0.0404	0.022		ND		0.0355	<u>ND</u>
12	Cobalt			st					ND	ND	ND	0.014					0.0174	<u>ND</u>
≥	COD			ů					ND				ND		ND	ND	ND	<u>ND</u>
Σ	Copper								0.008		0.00689				0.0106		0.0411	<u>ND</u>
L L	Hardness			S					19						48	46	30	<u>34</u>
tic	Iron			Πć	_				1.38				0.725		1.46		17.3	<u>0.059</u>
Ca .	Lead			Ň	0				ND	0.0055			ND		ND		0.0221	<u>ND</u>
ŏ	Magnesium			>	5				2.15						5.72		6.91	<u>2.8</u>
	Manganese			g	2010				0.12						0.602		0.595	<u>0.17</u>
bu	Mercury			Ч					ND	ND	ND	0.00059					0.00072	<u>ND</u>
	Nickel			Ľ					0.0102			0.032	0.0301		0.0278		0.0244	<u>ND</u>
Monitoring Location MW2A	Nitrate			Ö					ND	ND			ND		ND		0.2	<u>ND</u>
in	рН			hif							5.14				5.31		6.56	<u>5.72</u>
٩٥	Potassium			7					1.94						2.27		5.83	<u>1.4</u>
2	Selenium			Ĭ						ND			ND		ND		ND	<u>ND</u>
	Silver			2					ND	ND			ND		ND		ND	<u>ND</u>
	Sodium			New Monitoring Wells					7.15	7.07			8.38		9.54		5.02	<u>4.2</u>
	Spec. Cond.			ē							73.1	118.1	89.6		104.3		55.7	<u>54.2</u>
	Sulfate			Z					ND	ND			ND		ND	ND	ND	<u>ND</u>
	TDS								465						4		84	<u>72</u>
	Thallium				_				ND	ND			ND		ND		ND	<u>ND</u>
	Turbidity								58.9				NS	NS	11.3	NT		<u>2.7</u>
	Vanadium								ND	ND	ND		ND		ND		0.0192	<u>ND</u>
	Zinc								0.0114	0.0229	0.0187	0.0369	0.0247	NS	0.0322	NT	0.0856	<u>ND</u>

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								29	37	33	40	36	41	34	37	23	31
	Ammonia								ND	ND								
	Antimony								ND	ND								
	Arsenic								ND	ND								
	Barium			L					0.0113	0.0095	0.0123	0.00636	0.00799	0.00706	0.00696	0.00712	0.0192	0.012
	Beryllium								ND	ND								
	Cadmium			D D					ND	ND								
	Calcium								4.92	8.72	7.2	9.89	11.7	10.7	10.1	11	5.48	5.7
	Chloride			a					ND	ND	ND	ND	2.55	ND	ND	2.58	4.06	3.18
m	Chromium			, t					ND	ND								
2E	Cobalt			Š					ND	ND								
Location MW2B	COD			_					ND	ND	ND	ND	ND	12.6	ND	ND	ND	ND
Σ	Copper			S					0.0054	ND	ND	0.00608	ND	ND	ND	ND	ND	ND
L	Hardness								18	24	35	30	34	34	30	56	28	34
tio	Iron			Ne Ne	2010				ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017
at	Lead			5	2				ND	ND								
00	Magnesium			δ	50				1.94	2.84	2.85	2.44	3.04	2.58	2.56	2.74	3.14	3
	Manganese			New Monitoring Wells Installed	•••				0.0868	0.063	0.044	0.0393	0.0302	0.0342	0.023	0.0211	0.0629	0.052
lg	Mercury								ND	ND	ND	ND	0.00058	ND	ND	ND	ND	ND
Monitoring	Nickel			0					ND	ND	ND	0.00523	0.00624	ND	ND	ND	ND	ND
Ō	Nitrate			<u>:</u>					ND	ND								
nit	pН			Ē							5		5.49	5.61	5.13	5.31	5.22	5.7
Ō	Potassium			2					1.36	1.58	1.39	1.66	1.74	1.83	1.47	1.59	1.47	1.4
≥	Selenium			2					ND	ND	ND	ND	ND	ND		ND	ND	ND
	Silver			2					ND	ND								
	Sodium			Б					6.99	5.22			4.89	4.66	4.17	4.62	4.25	4.8
	Spec. Cond.			Ž							54.9	76	78.6	94.8	74	78.2	55.1	29.4
	Sulfate								ND	ND								
	TDS								648	56	44	92	84	4	72	66	1164	80
	Thallium								ND	ND								
	Turbidity								2.43	1.29	NT	NT	NS	0.57	0	0.9	0.7	0.4
	Vanadium								ND	ND								
	Zinc								0.00606	0.008	0.00794	0.00753	0.00694	0.00721	0.00981	0.00716	0.0113	ND

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								40	24	21	24	21	17.2	16	17	13.5	17
	Ammonia								ND	ND								
	Antimony								ND	ND								
	Arsenic								ND	ND								
	Barium			ln					0.144	0.0519	0.111	0.223	0.113	0.0487	0.0332	0.0367	0.058	ND
	Beryllium								ND	ND								
	Cadmium			Š					ND	ND								
	Calcium			I					6.89	6.1	11.1	17.2	10.1	7.11	5.41	4.52	5.5	3.1
	Chloride			a					ND	2.94	2.89	5.28	2.76		ND	2.91	3.1	ND
⊲	Chromium			st					0.053	0.0067	0.00753	0.0815	0.05	0.0277	0.0133	0.0121	0.0206	ND
13	Cobalt			ũ					0.041	0.0108	0.0188	0.0397	0.0267	0.00937	0.00514	0.00563	0.0108	ND
Location MW3	COD			New Monitoring Wells Installed					ND	ND	ND	6.3		ND	ND	ND	ND	ND
2	Copper			S					0.118	0.018	0.0273	0.122	0.0773	0.0332	0.0196	0.0288	0.028	0.0028
L L	Hardness				-				130	14		50	44	34	16			
Ęi	Iron			Ň	2010				61.7	5.99	6.67	86.1	44.4	17			15.8	
ca	Lead			>	5				0.0259	0.0089	0.023	0.0435	0.02	0.0088		0.0052	0.00963	
ŏ	Magnesium			g	5				20.9	3.68	-	28.1	15.6	6.68			6.12	
	Manganese			L					1.08				0.715	0.24	0.141	0.172	0.416	
l g	Mercury			Ľ					ND	ND								
Ŀ.	Nickel			Ö					0.0816		0.00978	0.0752	0.0544	0.0224	0.0128			
Monitoring	Nitrate			Ŀ					ND	ND		ND	ND	ND	ND	ND	ND	ND
, Z	рН			2							5.55							
₽	Potassium			Ĭ					13								3.56	
	Selenium			2					ND	ND			ND		ND	ND		ND
	Silver			≥					ND	ND			ND		ND	ND	ND	ND
	Sodium			Ģ					7.66	4.12							3.28	
	Spec. Cond.			Ζ							36.1	41.4	39		37.1		33.1	33.4
	Sulfate								ND	ND			ND			ND	ND	ND
	TDS								100									
	Thallium								ND	ND			ND	ND	ND	ND	ND	ND
	Turbidity								1535	151.5		NT	NS	982		1000+	1.8	
	Vanadium								0.0529	0.01	0.0124	0.1	0.058		0.0134		0.0212	
	Zinc								0.227	0.0275	0.0459	0.235	0.159	0.06	0.0372	0.041	0.0639	0.0078

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								160	110	80	111	137	118	123	112	105	94
	Ammonia								ND	ND								
	Antimony								ND	ND								
	Arsenic								ND	ND								
	Barium								0.0943	0.237	0.175	0.0994	0.13	0.0643	0.12	0.0491	0.0808	ND
	Beryllium			ln					ND	ND	ND		ND	ND		ND	ND	ND
	Cadmium								ND	ND								
	Calcium			) O					10.7	63	57.4	42.3	61.8	44.4	54.5	34.3	33.3	26
	Chloride								ND	4.59	2.57	3.49	3.46	2.76	3.05	2.63	ND	ND
m	Chromium			al					0.0246	0.018	0.0129	0.0409	0.184	0.0478	0.124	0.053	0.0655	ND
31	Cobalt			st					ND	0.027	0.00643	0.012	0.0243	0.00927	0.0157	0.00581	0.0113	ND
Location MW3B	COD			New Monitoring Wells Installed					ND	22.4	7.6	6.7	ND	ND	ND	ND	ND	ND
Σ	Copper								0.0125	0.0533	0.0184	0.0403	0.105	0.0308	0.054	0.0258	0.0467	ND
	Hardness			S					100	66			188		162		118	100
ti I	Iron				_				1.33	9.62	3.89		19.15		24.9		11.4	0.24
, g	Lead			Ň	0				ND	0.041	0.011	0.0138	0.0163	0.00869	0.0171	0.00773	0.0134	ND
ŏ	Magnesium			>	5				0.715	10.6	5.36	11.7	11.3	7.41	12	6.81	7.09	3.6
	Manganese			9	2010				0.0395	1.26			0.584	0.33		0.221	0.385	0.011
l DC	Mercury			Ĺ					ND	ND	ND		ND	ND	0.00031			ND
	Nickel			Ľ					0.0266		0.0103	0.0363	0.278			0.0605	0.0648	
Monitoring	Nitrate			Ö					ND	ND	ND		ND	ND		ND		ND
	рН			Ŀ							10.2		7.33				7.32	7.49
2	Potassium			L L					26		9.11							
2	Selenium			Ĭ					ND					ND				ND
	Silver			2					ND		ND			ND				ND
	Sodium			≥					56.7	107	41			36			17	12
	Spec. Cond.			ē							279.6	223.9		161.1	221.9		146.9	184.6
	Sulfate			Ζ					13.5	165			94.4	52.6			23.6	11.6
	TDS								332	472	188			158			256	
	Thallium								ND		ND			ND				ND
	Turbidity								42	2130			NS	11.3		27.8	30.1	4.4
	Vanadium								0.0047	0.0279	0.0098	0.022	0.0216	0.0112	0.0233		0.0136	
	Zinc								0.0123	0.108	0.0359	0.0724	0.0988	0.0429	0.0801	0.03	0.0612	ND

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								70	60	52	56	51	55	55	55	51	50
	Ammonia								ND	ND								
	Antimony								ND	ND								
	Arsenic								ND	ND								
	Barium								0.228	0.0431	0.0409	0.0721	0.0383	0.0383	0.0417	0.0417	0.042	0.034
	Beryllium			ln					ND	ND								
	Cadmium								ND	ND								
	Calcium			Š					34.4	35.5	34.5	40.4	33.4			35.1	35	
	Chloride			Ĩ					106	138	120	145	125	141	128	128	139	143
4	Chromium			al					0.0261	ND	ND	0.00761	ND	ND	ND	ND	ND	ND
0	Cobalt			st					0.0264	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location MW04	COD			Installed					ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND
Σ	Copper			_					0.037	ND	ND	0.0145	ND	0.0133	ND	ND	ND	ND
u d	Hardness			S					183	200								
tic	Iron			Ī	-				37.6	1.21			0.889	0.97	0.786	0.786	1.02	0.7
ca	Lead			Ň	0				0.022	ND	ND	ND	ND	ND	ND	ND	ND	ND
ŏ	Magnesium			5	5				30.9	25.8	22.9	25.5	19.6			23.2	21.1	25
	Manganese			g	2010				2.87	0.138		0.549	0.115			0.142		
bu	Mercury			U					ND	ND								
Li	Nickel			<u> </u>					0.0758	0.0108	0.00554	0.0157	0.00948	0.0108	0.00928	0.00928	0.00764	
Monitoring	Nitrate			Ö					0.3756	0.378	0.406	0.47	0.444	0.465	0.489	0.489	0.566	
n	рН			Ē							5.7	5.96			6.05			
٩	Potassium			L L					12.2	3.56			3.01	3.47		2.53		
<	Selenium			New Monitoring Wells					ND	ND			ND		ND	ND	ND	ND
	Silver			2					ND	ND	ND		ND		ND	ND	ND	ND
	Sodium			≥					29.4	30.2			24.9					
	Spec. Cond.			e							421.5		501.7	620.9	485.6		498.8	
	Sulfate			Ž					ND	ND	ND		ND	4.26			4.73	
	TDS								552	552				310			370	
	Thallium								ND	ND	ND		ND	ND	ND	ND	ND	ND
	Turbidity								880	13.2		NT	NS	59.7				13.3
	Vanadium								0.0213	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc								0.138	0.00782	0.00755	0.0313	0.00689	0.00903	0.00733	0.00733	0.0108	0.0056

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								260	264	214	238	197	216	183	208	201	201
	Ammonia								ND	ND								
	Antimony								ND	ND								
	Arsenic								ND	ND								
	Barium								0.675	0.303	0.319	0.365	0.433	0.259	0.301	0.3	0.393	0.31
	Beryllium			ln					0.007	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium								0.0082	ND	0.00656	0.00618	0.00888	ND	ND	ND	ND	ND
	Calcium			Š					62.6	73.9	70.3	78.7	72.8	76.3	79.8	80.1	90.2	
	Chloride			≝					222	200	226					282	411	372
9	Chromium			a					0.0533		ND	0.00728	0.0229					0.57
9	Cobalt			st					0.33	0.322			0.343	0.388	0.263	0.281	0.466	
≦	COD			Ë					ND	17.3		ND	ND	ND	ND	ND	ND	ND
2	Copper			_					0.143	0.0157		0.0243					0.00913	
u u	Hardness			S					430	1720					500		632	
tic	Iron								69.4	2.9		4.76			7.65		2.39	
ca	Lead			Š	0				0.0519	0.0101		0.0137	0.00953		0.00541			ND
Ŏ	Magnesium			>	6				57.9	54.9		56.3		54.9			65	
	Manganese			6	2010				38.9	54		44.4	37.6				54.3	
มใ	Mercury								ND	0.00035		ND	ND	ND	ND	ND	ND	ND
Monitoring Location MW06	Nickel			New Monitoring Wells Installed					0.154	0.0339		0.0429						
ito	Nitrate			5					0.0757	ND	ND	ND	ND		ND	ND	ND	ND
u u	рН			ij							5.58				5.62		5.85	
Mc	Potassium			2					4.92	2.94		3.63	4.19		4	3.35	3.97	
~	Selenium			ř					0.0429	0.0113				0.00839	0.0133			
	Silver									ND	ND	ND	ND		ND	ND	ND	ND
	Sodium			≥					56.2	63.1							89.8	
	Spec. Cond.			e							984.9	1228	1211	1352	1248		1557	1320
	Sulfate			Z					54.1	58.7	_	43.4	47.4	48	50		70.6	
	TDS	<b> </b>							1080	868					878			
	Thallium									ND	0.0001		ND			ND	ND	ND
	Turbidity								5300	1540		NT	NS	270		589	129.6	
	Vanadium								0.0531		ND	0.0054	0.0149		ND	0.00508		ND
	Zinc								0.5	0.0516	0.0487	0.0616	0.136	0.0515	0.0561	0.0627	0.0456	0.048

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

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Metals and Other Water Quality Parameters - Long Term Summary

		mota	U uii			Tuto		aanty						•••••			• •	
Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								90	42	69	42	31	68	48	139	259	62
	Ammonia								ND	ND	ND	ND	ND	ND	ND	0.265	0.377	ND
	Antimony								ND	ND								
	Arsenic								ND	ND								
	Barium								0.0666	0.0674	0.0636	0.058	0.0631	0.0635	0.0732	0.0659	0.102	0.058
	Beryllium			ln					ND	ND								
	Cadmium								ND	ND								
	Calcium			Š					46.7	46.5	55.2	41.7	44.5	48.9	45.4	55.6	81.6	40
	Chloride			II					131	119				118				
	Chromium			a					ND	ND								
.0	Cobalt			st					0.0066	ND	ND	0.0065			ND	0.01	0.0103	ND
_ ≦	COD			ũ					12.6	15				21.2		23.7	35.8	ND
2	Copper								0.016		0.0084	0.0115		0.0172		0.0111	0.0148	
	Hardness			S					650			198		238				
ti	Iron			Ĩ	-				0.69	0.517		0.478	0.413	0.391	0.29			
ca l	Lead			Ň	0				ND	ND	ND		ND					ND
ŏ	Magnesium			>	5				23.2	28.1	31.5		24.7	27.6			44.1	23
	Manganese			9	2010				2.01	0.761	0.562		0.34	1.3				0.95
Monitoring Location MW07	Mercury			L					ND	ND	ND		ND	ND		ND		ND
i.	Nickel			Ľ					0.0157	0.0064	0.00506			0.00689			0.00894	
2	Nitrate			Ö					10.35	14.59	18.45	29.09	22.65	15.0122	15.75	6.206		4.2
, ic	рН			Ŀ							5.55			5.79				5.81
٩	Potassium			2					3.16								4.17	
~	Selenium			Ĭ					ND	ND								ND
	Silver			2					ND	ND	ND			ND		ND		ND
	Sodium			3					33.4	32.6			23.1	24.1	24.7		48.2	
	Spec. Cond.			New Monitoring Wells Installed							568.3	601.2		693.4	580.1	667.6		
	Sulfate			Z					13.1	12.4	11.7	5.6		5.66				21.4
	TDS								648					420			650	
	Thallium								ND					ND		ND		ND
	Turbidity								11.1	6.06			NS	0.8				0
	Vanadium								ND	ND	ND		ND	ND	ND	ND		ND
	Zinc								0.0246	0.0119	0.0106	0.0148	0.014	0.00977	0.00991	0.00955	0.0118	ND

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								190	480	209	166	178	175	89	233	187	266
	Ammonia								0.726	1.94	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium								0.273	0.177	0.109	0.12	0.419	0.12	0.156	0.111	0.12	0.089
	Beryllium			ln						ND	ND	ND	ND	ND			ND	ND
	Cadmium								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium			Š					59				67.4	67.5			64	
	Chloride			Ľ					190	207			223	172	197	142	160	134
ω	Chromium			New Monitoring Wells Installed					0.0215			ND	0.0654		0.0221		ND	0.014
9	Cobalt			st					0.0816			ND	0.0838			ND	ND	ND
≦ E	COD			Ë					ND	26.3					ND	16		
2	Copper			_					0.054	0.0145		0.00811	0.131	0.0134	0.0107		0.0061	0.0029
L L L	Hardness			<u>s</u>					270	600			344	302	218		316	
tic	Iron				-				15.1	1.69				0.498	1.64			
ca	Lead			Š	2				0.01			ND	0.027				ND	ND
Ŏ	Magnesium			>	6				36.9	90.9				33.9		46		48
) L	Manganese			0	2010				3.46	0.144		0.0101	2.36		0.182		0.0108	
bù	Mercury			<b>_</b>						ND	ND				ND		ND	ND
ri	Nickel			Ľ.					0.0534	0.0082		0.0065			0.0241	0.00754		ND
	Nitrate			5					7.63	13.85		14.79	9.61	4.75		14.55	9.43	11.59
u.	pН			Ē							6.65		5.76	6.57	6.39		6.81	7.83
No No	Potassium			2					10.4	19.1				13.6			10.8	
~	Selenium			Š						ND		ND	0.0076					ND
	Silver			2						ND						ND	ND	ND
	Sodium			≥					104	139				95.7	100		91.5	
	Spec. Cond.			<u>e</u>							1040		1199	1157	907.6		964.7	951.2
	Sulfate			Z		$\vdash$			55	68.5			69	95.1	57.6			120
	TDS					$\vdash$			696	1136				642	520			
	Thallium				1					ND							ND	ND
	Turbidity								1227	22.7			NS		NM	35.2	11.6	
	Vanadium								0.0366		ND	ND	0.0874		ND	ND	ND	ND
	Zinc								0.16	0.0143	0.0109	0.0104	0.22	0.00708	0.0311	0.00846	0.00925	ND

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								64	110	44	34	37	33	28	35	30	28
	Ammonia								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic								ND	ND	ND			ND	ND	ND	ND	ND
	Barium								0.334	0.156	0.172	0.0682	1.33	0.0722	0.115	0.338	0.688	0.069
	Beryllium			<u>_</u>						ND	ND	ND	ND			ND	0.00551	ND
	Cadmium								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium			S S					15.8	14.9				12			10.1	4.6
	Chloride			≝					11.9	10.9			13.6	12.9			15.7	70.3
6	Chromium			g					0.0588	0.032		0.00903	0.0384	0.027	0.0263		0.128	0.0044
9	Cobalt			st					0.0341	0.016		ND	0.0603				0.0684	
<u> </u>	COD			Ë						ND							ND	ND
2	Copper								0.0339	0.0174		0.0083		0.0196			0.0508	
5	Hardness			<u>s</u>					80	48				46			46	36
ţi	Iron								48.6	16.7		3.05		6.41	14.7	22.2	86.7	3
Ca	Lead			Š	2				0.0373	0.0132			0.0544		0.0109	0.0137	0.0648	0.0018
, õ	Magnesium			>	ò				24.4	13.2				8.44	11.8		38.2	4.5
	Manganese			0	2010				1.8	0.689		0.242	3.19	0.273	0.415		2.56	
l ù	Mercury			2						ND	0.00035		0.00045				ND	ND
i i	Nickel			Ľ.					0.0553	0.0274		0.00936		0.0217	0.0249		0.109	
Monitoring Location MW09	Nitrate			5					1.25	1.25			1.18		1.49		1.26	0.839
L L	pH			-							5.25		5.23	5.42	5.05		5.5	
Š	Potassium			5					17.8					3.45			30.3	1.8
	Selenium			Š						ND		ND	0.00879			ND	0.00778	
	Silver									ND						ND	ND	ND
	Sodium			_ ≥					7.23	3.75		4.26		7.95			9.44	
	Spec. Cond.			New Monitoring Wells Installed		<b>└──</b> ┤					105.3	105.1	122.5	120.2	70.2		108.1	269.8
	Sulfate			Z		┝───┤			=	ND							ND 70	ND 400
	TDS The lives					┝───┤			168					196				
	Thallium				Г	╞──┤				ND		ND NT	ND NS				ND 500	ND
	Turbidity					╞───┤			1160 0.0541	398 0.0285		NT ND		446 0.00762	1235 0.0167	644 0.0258	500	
	Vanadium					╞──┤							0.0306				0.117	
	Zinc								0.189	0.0777	0.0166	0.0242	0.157	0.0363	0.0871	0.0867	0.398	0.022

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								100	75	78	65	79	59	86	68	4.6	61
	Ammonia								ND	ND								
	Antimony								ND	ND								
	Arsenic								ND	ND								
	Barium								1.49	0.124	0.414	0.116	0.157	0.0878	0.448	0.104	0.682	0.064
	Beryllium			ln					ND	ND							ND	ND
	Cadmium								ND	ND					ND	ND	ND	ND
	Calcium			0 C					29.1	14.2			21.1	17.2			50.6	15
	Chloride			≝					6.75			8.31	9.6				283	6.22
0	Chromium			a					0.125		0.00566	0.0102	0.0174		0.0677		0.0251	0.0036
Monitoring Location MW10	Cobalt			st					0.0659		0.0103	0.00519	0.00667		0.0308		0.0139	
<u> </u>	COD			Ë					ND	36.6		4.4				ND	ND	ND
2	Copper								0.197	0.0123		0.027	0.0283		0.108		0.0313	
	Hardness			S					110			68	82	60				76
ţ	Iron			0					201		5.7	9	12.6			4.31	22.1	2
ca	Lead			Š	2				0.0611		0.0153		0.00502		0.0181		0.0185	
Ŏ	Magnesium			>	2010				78.3			9.78	11.2	8.42	26.4	9.06		7.1
	Manganese			0	Ň				3.59			0.158	0.212	0.0983	0.931	0.0692	0.58	
l û	Mercury			<u>_</u>						ND			ND	ND	ND		ND	ND
, i	Nickel			Ľ.					0.111		0.013	0.0112	0.0172	0.00985		0.00743	0.0254	0.0062
ite	Nitrate			5					ND	ND						ND	3.91	
L L	pH			Ē							5.35							
Š	Potassium			20					43.5	1.26				2.29			6.43	
	Selenium			New Monitoring Wells Installed					0.0085									ND
	Silver			2						ND						ND	ND	ND
	Sodium			>					12.4	10.1	8.3		9.1	12.4			90.2	8.8
	Spec. Cond.			<u>e</u>							132.5	144.6	184	164.9			983.8	132.3
	Sulfate			Z					7.56			8.02	7.4		6.47			
	TDS								148									
	Thallium				1					ND 01.10							ND 101	ND
	Turbidity								4340	3140			NS	203			401	115.5
	Vanadium								0.189		0.00943	0.0242	0.0319	0.0143	0.124		0.0273	0.0055
	Zinc								0.337	0.132	0.0575	0.0335	0.0444	0.0272	0.19	0.0606	0.0898	0.035

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								50	27	40	33	37	29	33	16.2	31	23
	Ammonia								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium								0.749	0.274	0.148			0.111	0.185	0.158	0.083	0.032
	Beryllium			ln					ND	ND			ND			ND	ND	ND
	Cadmium								ND	ND		ND	ND			ND	ND	ND
	Calcium			Š					23.4	14.8			15.8	12.5	17.3	10.9	12.9	
	Chloride			Ĭ					4.22	10.9			5.1	4.99			4.97	4.87
◄	Chromium			Installed					0.144	0.0273		0.0354	0.0514	0.032	0.0518		0.0143	
Location MW11	Cobalt			st					0.0695			0.014	0.0213					
≥	COD			Ë					ND	ND		ND	ND		ND	ND	ND	ND
Σ	Copper			_					0.0825	0.026		0.0452	0.0409		0.046			
<u> </u>	Hardness			S					90				80		60			
.0	Iron			6					149		7.54	22.56	30.8	18.4	30.7	27.8		4.7
at	Lead			Š	2				0.0499	0.0156	0.0122	0.00689	0.0136		0.0117			0.0015
8	Magnesium			>	6				66.6			11.7	13.9		16.4		7.8	
	Manganese			g	2010				3.47	0.738			0.693		0.633		0.169	
b	Mercury								ND	ND		ND	ND			ND	ND	ND
i i	Nickel			Ē					0.145		0.0171	0.0312	0.0486		0.0489			
Monitoring	Nitrate			2					1.4774	1.1		1.29		1.87	2.57			
i i	pH			Ë							5.14	5.51	5.49				5.76	
Ō	Potassium			2					27.7	1.87				3.64				
2	Selenium			Š					0.0056				ND			ND	ND	ND
	Silver								ND	ND			ND			ND	ND	ND
	Sodium			New Monitoring Wells					8.49	4.21	5.15		4.57	8.24	5.31			3.7
	Spec. Cond.			<u>e</u>							92		114.8		111.7	76.9		57.4
	Sulfate			Z					7.07	6.28		5.83	5.76		5.93			6.75
	TDS								108				108				78	
	Thallium									ND						ND	ND	ND 10
	Turbidity								4880	1600		NT	NS	766			630	46
	Vanadium								0.124	0.0093		0.0425	0.057	0.0328	0.0555	0.0424	0.0171	0.0091
	Zinc								0.334	0.0938	0.0493	0.0788	0.109	0.069	0.124	0.0925	0.034	0.011

NT: Not Tested

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Note: MCL exceedances are indicated in Red

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								100	69	65	68	61	61	62	68	73	72
	Ammonia								ND	ND								
	Antimony								ND	ND								
	Arsenic				-				ND	ND	ND	ND		ND		ND	ND	ND
	Barium								0.0744	0.0194		0.0252		0.021	0.0261	0.0348	0.0256	0.021
	Beryllium			ln						ND		ND		ND			ND	ND
	Cadmium								ND	ND		ND	ND	ND			ND	ND
	Calcium			e S					34.4	15.4						17.5	17.6	
	Chloride			Ĭ					4.18	4.79				5.06	6.57			6.77
8	Chromium			a					0.0082					ND	ND	0.00518	ND	ND
	Cobalt			st					0.005	ND		ND		ND			ND	ND
Ś	COD			ü						ND	ND	ND		ND			ND	ND
Location MW11B	Copper			_					0.0131		ND	0.00742		ND	0.00552		ND	0.0021
2	Hardness			<u>S</u>					94	66							86	
<u>.</u>	Iron				-				6.97		ND	1.37		0.567	0.948		0.705	
at	Lead			Ň	<u> </u>					ND				ND			ND	ND
l S	Magnesium			>	5				8.36	6.63							8.63	
Ľ	Manganese			δ	2010				0.167	0.012		0.0345			0.021	0.0516		
Ð	Mercury			L						ND		ND		ND				ND
i i	Nickel			Ľ					0.009			ND		ND	ND	0.00535		ND
Monitoring	Nitrate			<u></u>					2.307	2.33				2.37			2.82	
ji j	рН			Η							6.13	6.36		6.17	6.46		6.56	
ō	Potassium			2					2.5	0.888				0.941	1.17			
E	Selenium			ν						ND								ND
	Silver			2						ND							ND	ND
	Sodium			3					12.6	9.1				8.14			9.22	
	Spec. Cond.			New Monitoring Wells Installed							123	156		147.8	144.9		171.5	
	Sulfate			Z					ND	ND				ND				ND
	TDS								156	132							108	
	Thallium									ND				ND			ND	ND
	Turbidity								72.4	4.99		NT		NS	15.8		7.4	
	Vanadium								0.0229		ND	0.00615		ND	0.0058			0.007
	Zinc								0.0209	ND	ND	0.0106	0.00657	0.00657	0.00743	0.0122	ND	0.0053

NT: Not Tested

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Metals and Other Water Quality Parameters - Long Term Summary

		ncta				Tutt							<u></u>		Uui		· .	
Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								15	16	22	12	10	7	7.9	6	75	7.5
	Ammonia								ND	ND								
	Antimony								ND	ND								
	Arsenic								ND	ND								
	Barium								1.32	0.749	0.615	0.635	0.472	0.473	0.392	0.471	0.354	0.44
	Beryllium			ln						ND			ND	ND			ND	ND
	Cadmium								ND	ND								
	Calcium			Š					82	78.8			47.4	44.5			19.7	47
	Chloride			Ľ					374	371			211	246		251	7.3	267
8	Chromium			a					0.1		ND	0.0181	0.0261		0.0115		0.0436	0.01
Monitoring Location MW12	Cobalt			st					0.0492			ND	0.012			ND	0.0213	
≦ _	COD			Ë						ND	ND	6.1					ND	ND
2	Copper			_					0.109			0.0168				0.00787	0.078	
u u	Hardness			S					360	356			188	196			88	
tic	Iron								100	2.59				1.27	7.12		36.8	3.8
ca	Lead			Š	2010				0.0616		0.0106		0.0168		0.00655		0.0112	0.0022
Ō	Magnesium			>	6				69.5	43.1		32.7	23	21.1	21.6		19.5	
) L	Manganese			0	N N				3.02	0.138				0.0835	0.177		0.596	
D Û	Mercury			<b>_</b>						ND			ND		ND		ND	ND
ri	Nickel			Ľ.					0.0938	0.0113		0.0205		0.00961	0.0136			0.014
ito	Nitrate			5					5.0188	4.38		4.43	4.9	4.49				3.94
u.	рН			Ē							4.66		5.01	5.19			5.96	
No No	Potassium			2					23.1	5.14				4.06			8.02	
-	Selenium			New Monitoring Wells Installed					0.0062									ND
	Silver			2						ND							ND	ND
	Sodium			≥					81.5	104		96.2	57.8	76.9			8.05	
	Spec. Cond.			<u>e</u>							836.7	1142	757	976.6		835.9	159.4	783.6
	Sulfate			Z		$\vdash$			14.7	14.3			15.7	15			8.23	
	TDS					$\vdash$			1520	1184				600		-	134	
	Thallium				r					ND			ND				ND	ND
	Turbidity								3920	57.4			NS	84.3			358.3	94.3
	Vanadium								0.085			ND	0.0246		0.00879		0.0893	
	Zinc								0.269	0.0352	0.0306	0.039	0.0754	0.0238	0.0443	0.0241	0.132	0.041

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								50	224	34	227	32	34	32	34	36	32
	Ammonia								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony								ND	ND	ND		ND	ND	ND	ND	ND	ND
	Arsenic								ND	ND	ND		ND	ND	ND	ND	ND	ND
	Barium								0.332	0.199	0.273		0.249		0.397	0.44	0.476	
	Beryllium			ln						ND	ND		ND			ND	ND	ND
	Cadmium								ND	ND	ND		ND			ND	ND	ND
	Calcium			Š					26.5				26.3				26.8	
	Chloride			Ĭ					84.3	83.5		86.1	90.7	88.2	87.9		85.8	
<b>₹</b>	Chromium			a					0.024		ND	0.0853	0.0224	0.00838	0.0409		0.0342	0.005
Location MW13.	Cobalt			st					0.029	0.0079			0.017	0.0109	0.0351	0.0378	0.0335	0.0085
≥	COD			ü					34.6		ND	10.1		17.2		10.9	18.6	
Σ	Copper								0.071	0.0121	0.0137	0.197	0.0421	0.0271	0.09		0.0753	0.005
2	Hardness			S					160				148					220
.0	Iron			ĺ.					28.3	3.32			17.3			45.9		
at	Lead			Ň	0				0.0112		0.00686		0.0069		0.0146		0.0215	
8	Magnesium			>	6				23.5	20.7	19.7	47	19.7	18.2			28.6	17
Ľ	Manganese			6	2010				0.876	0.302	0.376		0.54	0.333			1.3	
ð	Mercury			L					0.00032	0.00026			0.00039	0.00033	0.00075		0.00198	
i -	Nickel			ŗ					0.0345	0.01	0.00966		0.0249	0.0135	0.0427	0.0462	0.0359	
Monitoring	Nitrate			<u>S</u>					2.48	2.29	2.17		2.08			1.52	1.2861	1.55
Dit	рН			Ξ							4.79		4.91	5.32	5.12		5.34	
ō	Potassium			Z					8.65				6.15				11.6	
Σ	Selenium			Ĭ						ND	ND					ND	ND	ND
	Silver			2						ND	ND		ND			ND	ND	ND
	Sodium			New Monitoring Wells Installed					17.6	16.1	15.5		14.9					
	Spec. Cond.			Ģ							303		362.5	406.3				
	Sulfate			Z						ND	ND		ND			ND	ND	ND
	TDS								380				336					
	Thallium									ND	ND		ND			ND	ND	ND
	Turbidity								1048	56.8			NS	1082	1220		1349	
	Vanadium								0.0626	0.0099	0.00944		0.0461	0.0197	0.113		0.0903	0.005
	Zinc								0.0902	0.0194	0.0224	0.231	0.0585	0.033	0.126	0.134	0.108	0.017

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Metals and Other Water Quality Parameters - Long Term Summary

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Sample Site	Parameter	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
	Alkalinity								230	720	226	742	226	224	221	218	221	212
	Ammonia								ND	ND								
	Antimony								ND	ND								
	Arsenic								ND	ND	ND	ND	ND	ND	ND		ND	ND
	Barium								0.0676	0.073	0.0706	0.0746	0.0676	0.0748	0.0754	0.0794	0.0814	0.07
	Beryllium			ln					ND	ND		ND		ND	ND	ND	ND	ND
	Cadmium								ND	ND								
	Calcium			) S					82.7	80.5	83.4	91.2	81.4	83	86.2	90	85.2	86
	Chloride			II I					84.6	84.7			86.4	91	89.4	92.4	97.1	99.8
<u>n</u>	Chromium			a						ND		ND		ND	ND	ND	ND	ND
33	Cobalt			st					ND	ND								
Š	COD			ü					6.2	9.6	3.4	12.1	ND	ND	ND	ND	ND	ND
Σ	Copper			_					0.0063	ND	ND	ND	ND	0.01	ND	ND	ND	0.0012
<b>_</b>	Hardness			S					360	313		334			328		342	
<u>io</u>	Iron				-				0.571		ND	0.498		0.537	0.411	0.458	0.498	
Location MW13B	Lead			Ň	<u> </u>					ND		ND		ND			ND	ND
	Magnesium			>	5				27.6	31.4					30.4		28.7	
Ľ	Manganese			6	2010				0.0306	0.0323		0.0382	0.0403	0.0331	0.0371	0.0342	0.0361	0.026
b	Mercury			L					0.0002			ND	0.00029	0.0002	0.00027	0.00022	0.00024	
j.	Nickel			Ľ						ND	ND	0.00581	0.00683		0.00565			ND
Monitoring	Nitrate			<u></u>					1.467	1.62				2.27	2.44		2.91	
ji j	рН			Ë							5.85	5.88		6.2		6.15	6.28	
ō	Potassium			2					3.3					4.71	3.35			
Σ	Selenium			Ň						ND		ND		ND				ND
	Silver			2						ND		ND		ND			ND	ND
	Sodium			≥					19.9	18.2				19.9			17.7	
	Spec. Cond.			New Monitoring Wells Installed							586.8	713.4	706.1	781	673.7	676.3	716.8	
	Sulfate			Z					6.18		6.71	7.55			8.33		10.5	
	TDS								540	572					502		454	
	Thallium									ND		ND		ND			ND	ND
	Turbidity								0.232	0.364		NT	NS	0	-		0	-
	Vanadium									ND		ND		ND	ND		ND	ND
	Zinc								ND	ND	ND	0.00501	0.00618	ND	0.00659	0.00636	0.00537	ND

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# **TABLE A - Filtered and Unfiltered Sampling Results for Metals**

						Μ	onitor	ing W	ell				
-			OB01	OB02	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07	OB07A	OB08
		Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Arsenic	ND	ND	ND	0.0031	0.0024	0.0061	0.0078	0.0049	0.0025	0.0029	ND
		Barium	0.26	0.059	0.31	0.51	0.25	0.28	0.059	0.17	0.035	0.039	0.14
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Calcium	100	18	85	71	77	180	130	150	130	86	64
		Chromium	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND
		Cobalt	0.012	ND	ND	0.058	0.035	ND	ND	ND	ND	ND	ND
	Δ	Copper	0.0037	0.0021	0.0029	ND	0.001	0.034	0.03	0.0038	0.0025	0.0014	ND
	ш	Iron	ND	0.28	ND	21	12	ND	0.32	ND	ND	ND	ND
	ER	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ë	Magnesium	61	8.7	45	40	45	88	89	57	36	51	14
		Manganese	5.3	0.39	0.025	20	6.6	2.5	1.6	0.47	0.11	0.031	5.2
		Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00065	ND
		Nickel	0.035	ND	0.012	0.02	0.017	0.018	0.12	0.014	ND	0.0057	0.0074
		Potassium	5.3	2.1	3.7	7.2	15	7.3	5.3	4.3	3.5	2.3	2.8
		Selenium	ND	ND	ND	ND	ND	0.022	0.026	0.015	0.01	0.011	ND
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	120	7.3	28	48	96	64	95	100	21	24	25
Ĵ		Thallium	ND	ND	ND	0.0011	0.0013	ND	ND	ND	ND	ND	ND
jt€		Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Parameter		Zinc	0.017	0.021	0.0079	0.013	0.006	0.0059	0.024	0.016	ND	ND	0.0052
ar		Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ar		Arsenic	ND	ND	ND	0.0031	0.0035	0.0079	0.0082	0.0047	0.0021	0.0028	ND
Ä		Barium	0.24	0.12	0.3	0.52	0.25	0.28	0.059	0.17	0.038	0.043	0.13
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Calcium	95	35	80	70	78	180	130	140	130	87	64
		Chromium	ND	0.0072	0.0033	ND	ND	ND	0.15	ND	ND	0.0033	ND
	Δ	Cobalt	0.013	ND	ND	0.056	0.034	ND	ND	ND	ND	ND	ND
	ш	Copper	0.0042	0.0044	0.0035	0.0019	0.0013	0.036	0.03	0.0051	0.0052	0.002	ND
	R	Iron	ND	1.4	0.62	21	13	ND	0.5	0.64	0.78	ND	0.031
	Ш	Lead	ND	ND	ND	ND	ND	ND	ND	ND	0.0013	ND	ND
		Magnesium	61	17	42	40	46	89	89	55	36	50	14
	Ŀ	Manganese	5.3	0.84	0.031	19	6.6	2.6	1.6	0.47	0.15	0.094	5.2
	UNF	Mercury	0.00021	ND	0.00029	0.001	ND						
		Nickel	0.04	ND	ND	ND	ND	ND	ND	0.014	0.0054	0.009	0.0075
		Potassium	5.1	4.1	3.5	7	15	7.4	5.3	4.4	3.7	2.4	2.8
			ND	ND	ND	ND	ND	0.027	0.028	0.014	0.0085	0.011	ND
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	120	13	26	47	96	65	94	100	21	24	25
		Thallium	ND	ND	ND	0.0011	0.0019	ND	ND	ND	ND	ND	ND
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Zinc	0.013	ND	0.013	0.013	0.0053	0.0064	0.024	0.019	0.0087	ND	0.0059

# **TABLE A - Filtered and Unfiltered Sampling Results for Metals**

						Moni	toring	Well					
r			OB08A	OB10	OB102	OB105	OB11	OB11A	OB12	OB15	OB25	MW1B	MW2A
		Antimony	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
		Arsenic	0.0032	ND	0.0082	0.0063	ND	0.0021			ND	ND	ND
		Barium	0.059	0.049	0.36	0.36	0.022	0.18	0.015	0.053	0.069	ND	0.011
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	0.00069	ND	0.012	0.0022	ND	ND	ND	ND	ND
		Calcium	53	60	120	150	130	99	40	9.3	79	5.9	5
		Chromium	ND	ND	ND	ND	0.0043	0.016	ND	ND	ND	ND	ND
		Cobalt	0.016	ND	0.072	0.014	ND	0.024	ND	ND	0.0078	ND	ND
	Δ	Copper	ND	ND	0.032	0.0027	0.0029	0.0025	ND	ND	0.0026	ND	ND
	ш	Iron	3.8	0.38	ND	15	ND	0.5	ND	ND	ND	ND	ND
	ER	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ë	Magnesium	21	33	97	150	73	73	26	14	57	3.7	2.9
	<u>`</u>	Manganese	7.2	3.8	19	3.2	0.83	7.6	0.11	0.027	14	ND	0.18
	Ë	Mercury	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND
		Nickel	0.0071	0.0091	0.098	0.025	0.041	0.04	0.0088	0.0061	0.019	ND	ND
		Potassium	2.9	3.5	51	88	5.5	6	3.9	1.7	14	0.9	1.6
		Selenium	ND	ND	0.022	0.017	0.0056	ND	ND	ND	ND	ND	ND
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	33	21	490	330	85	96	28	20	68	7.1	4.7
		Thallium	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	ND	ND
ite		Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Parameter		Zinc	ND	ND	0.0094	0.016	0.043	0.021	ND	0.036	0.005	ND	0.006
au		Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
l ä		Arsenic	0.0029	ND	0.0083	0.007	0.002	0.0022	ND	ND	ND	ND	ND
l ñ l		Barium	0.047	0.047	0.35	0.39	0.023	0.18	0.014	0.051	0.071	ND	0.012
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	0.00071	ND	0.012	0.0026	ND	ND	ND	ND	ND
		Calcium	49	62	120	140	130	100	39	9.5	81	6	4.6
		Chromium	0.0047	ND	ND	0.0087	0.0051	0.021	ND	ND	0.0082	ND	ND
	$\mathbf{\frown}$	Cobalt	0.017	0.0053	0.074	0.019	ND	0.025	ND	ND	0.009	ND	ND
	Ш	Copper	0.0017	ND	0.041	0.021	0.0036	0.0048	ND	0.0018	0.0042	0.0025	ND
	2	Iron	4.4	0.4	0.35	27	ND	0.91	ND	1.9	0.79	0.85	0.059
	Щ	Lead	ND	ND	ND	0.0037	ND	ND	ND	ND	ND	ND	ND
	5	Magnesium	21	34	96	150	76	76	25	15	59	4.1	2.8
		Manganese	6.8	3.7	19	3.1	0.86	7.8	0.1	0.028	14	0.022	0.17
		Mercury	ND	ND	ND	0.00032	0.0028	0.00028	ND	ND	ND	ND	ND
		Nickel	0.011	0.011	0.1	0.0037	0.04	0.04	0.0088	0.0061	0.022	ND	ND
		Potassium	2.8	3.4	51	89	5.3	5.9	3.1	1.7	14	1	1.4
		Selenium	ND	ND	0.021	0.013	0.0054	ND	ND	ND	ND	ND	ND
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	32	21	490	320	77	95	27	20	66	7.2	4.2
		Thallium	ND	ND	ND					ND	ND	ND	ND
		Vanadium			ND	0.016					ND	ND	ND
		Zinc	0.0084		0.011	0.076				0.034			

# **TABLE A - Filtered and Unfiltered Sampling Results for Metals**

						Moni	toring	Well					
			MW2B	MW3A	MW3B	MW04	MW06	MW07	MW08	MW09	MW10	MW11A	MW11B
		Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Barium	0.012	ND	0.01	0.031	0.31	0.057	0.089	0.046	0.052	0.016	0.016
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Calcium	5.8	2.8	26	40	85	41	88	2.3	14	5.9	17
		Chromium	ND	ND	ND	ND	0.25	ND	0.0053	ND	ND	ND	ND
		Cobalt	ND	ND	ND	ND	0.59	ND	ND	ND	ND	ND	ND
	Δ	Copper	ND	0.011	ND	ND	0.0089	0.0068	0.0024	ND	0.001	ND	ND
	Ш	Iron	0.031	0.067	ND	ND	6.5	ND	ND	ND	ND	ND	ND
	TERE	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	끈	Magnesium	3.2	1.3	3.6	24	60	23	48	2.6	6.5	2.2	8.5
		Manganese	0.052	ND	ND	0.055	50	0.93	ND	0.027	0.013	0.0071	ND
	분	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Nickel	ND	ND	ND	ND	0.49	ND	0.0082	ND	ND	ND	ND
		Potassium	1.5	0.89	1.3	2.9	3.7	2.9	11	1.1	1	0.47	0.87
		Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	5.1	3.3	10	31	97	29	72	56	8.7	3.1	9.9
5		Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ite		Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Parameter		Zinc	ND	0.0081	ND	ND	0.044	ND	ND	0.0071	0.028	ND	ND
au		Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ar a		Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ŭ		Barium	0.012	ND	ND	0.034	0.31	0.058	0.089	0.069	0.064	0.032	0.021
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Calcium	5.7	3.1	26	40	83	40	88	4.6	15	7.7	16
		Chromium	ND	ND	ND	ND	0.57	ND	0.014	0.0044	0.0036	0.0095	ND
	Δ	Cobalt	ND	ND	ND	ND	0.59	ND	ND	ND	ND	ND	ND
	Ш	Copper	ND	0.0028	ND	ND	0.017	0.0068	0.0029	0.0043	0.0051	0.0051	0.0021
	R	Iron	0.017	2.2	0.24	0.7	8.3	ND	ND	3	2	4.7	1.8
	TERE	Lead	ND	ND	ND	ND	ND	ND	ND	0.0018	ND	0.0015	ND
		Magnesium	3	1.8	3.6	25	60	23	48	4.5	7.1	3.6	8.8
	Ē	Manganese	0.052	0.059	0.011	0.091	48	0.95	ND	0.088	0.036	0.057	0.031
		Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Nickel	ND	ND	ND	ND	0.57	ND	ND	0.0052	0.0062	0.0099	ND
		Potassium	1.4	1.3	1.5	3	3.5	2.8	11	1.8	1.3	1.1	1.1
		Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	4.8	3.3	12	30	76	28	71	50	8.8	3.7	9.6
		Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	0.0055	0.0091	0.007
		Zinc	ND	0.0078	ND	0.0056	0.048	ND	ND	0.022	0.035	0.011	0.0053
											5.000	5.0.1	

<b>TABLE A - Filtered and Unfiltered Sampling Results for Metals</b>	5

					Moni	itoring V	Vell	
			MW12	MW13A	MW13B	Minimum	Maximum	Average
		Antimony	ND	ND	ND	0	0	0
		Arsenic	ND	ND	ND	0.00504	0.00519	0.005115
		Barium	0.43	0.16		0.00628	0.548	0.1457158
		Beryllium	ND	ND	ND	0	0	0
		Cadmium	ND	ND	ND	0.0109	0.0109	0.0109
		Calcium	48	23	87	3.82	160	63.742769
		Chromium		ND	ND	0	0	0
	_	Cobalt	ND	0.0071		0.00582	0.513	0.0549687
	Ö	Copper	0.0037		ND	0.00542	0.0457	0.0135731
	2 E	Iron	ND	0.063		0.218	22.8	2.9330423
	Ш	Lead	ND	ND	ND	0	0	0
	F.	Magnesium	24	17	29	1.55	119	36.04145
	FILTERED	Manganese	0.036	0.25 ND		0.00781	52.7	5.2226455
		Mercury	ND 0.0069	0.0086	ND	0.000339	0.000807	0.0005347
		Nickel	0.0069	0.0086		0.00572	0.0902	0.0203255
		Potassium	3.3 ND	Z ND	ND 3.4	0.65	43.6	5.3211139
		Selenium	ND ND	ND	ND	0.00619	0.0229	0.012987
		Silver	91	13	17	3.28	3.28	50,000000
		Sodium	ND	ND	ND 17	4.2	529	59.993686
te		Thallium Vonodium	ND	ND	ND	0.0212	0.0212	0
e.		Vanadium Zinc	0.023	0.016		0.0639 0.00514	0.0639 0.0702	0.017283
Parameter		Antimony	ND	ND	ND	0.00014	0.0702	0.017200
Ira		Arsenic	ND	ND	ND	0.002	0.0083	0.0045583
Pa		Barium	0.44			0.002	0.52	0.1428485
		Beryllium	ND	ND	ND	0.012	0.02	0.1420400
		Cadmium	ND	ND	ND	0.00071	0.012	0.0051033
		Calcium	47	23	86	3.1	180	64.311111
		Chromium	0.01	0.005	ND	0.0033	0.57	0.05175
	$\mathbf{O}$	Cobalt	ND	0.0085	ND	0.0053	0.59	0.0773455
	Ш	Copper	0.011	0.005	0.0012		0.041	0.0081897
	R	Iron	3.8	2	ND	0.017	27	3.6923929
	UNFILTER	Lead	0.0022	ND	ND	0.0013	0.0037	0.0021
		Magnesium	24	17	29	1.8	150	37.675
	Ŀ	Manganese	0.11	0.27	0.026	0.011	48	4.2070286
	Z	Mercury		ND	0.00021	0.00021	0.0028	0.00073
		Nickel	0.014		ND	0.0037	0.57	0.0486211
		Potassium	4.1	2.3	3.4	1	89	7.7472222
		Selenium	ND	ND	ND	0.0054	0.028	0.0159875
		Silver	ND	ND	ND	0	0	0
		Sodium	88			3.3	490	61.266667
		Thallium	ND	ND	ND	0.0011	0.0019	0
		Vanadium	ND	0.005		0.005	0.016	0.00852
		Zinc	0.041	0.017	ND	0.0053	0.076	0.0196808

		Sampling I			,										
Monitoring			-	-											
Well	Turbidity (NTU)	MCL Exceedance	Turbidity (NTU)	MCL Exceedance	Turbidity (NTU)	MCL Exceedance									
OB01	3.1	0	0	0	1.21	0									
OB02	10.5	0	23.9	0	14.9	0									
OB02A	1.4	0	5.4	0	2.61	0									
OB03	0	0	0	0	9.8	0									
OB03A	6.2	0	10	0	62.7	0									
OB04	0	0	0.6	0	0	0									
OB04A	7.2	0	0	1	0.81	0									
OB06	58.9	0	35.5	0	36.4	0									
OB07	0.3	0	24.1	0	5	0									
OB07A	0	0	0	0	0	0									
OB08	2.1	0	0	0	0.1	0									
OB08A	0.9	0	1.5	0	0	0									
OB10	0.3	0	0	0	0	0									
OB102	19.9	0	15.4	0	8.5	1									
OB105	1070	2	258.3	0	39.8	0									
OB11	0.3	1	0	2	1.91	1									
OB11A	0	0	0	0	0	0									
OB12	0.9	0	0	0	0.23	0									
OB15	48.1	0	22.1	0	31.6	0									
OB25	37.6	6	14.4	0	14	0									
MW1B	37.5	0	1.2	0	2.9	0									
MW2A	NT	1	2.7	0	65.5	1									
MW2B	0.7	0	0.4	0	0.69	0									
MW3A	1.8	0	38	0	11.1	0									
MW3B	30.1	0	4.4	0	3.44	0									
MW04	87	0	13.3	0	0	0									
MW06	129.6	0	11.2	1	6.4	1									
MW07	10.1	0	0	0	0	0									
MW08	11.6	0	7.5	0	2.87	0									
MW09	500	3	154.3	0	18.8	0									
MW10	401	1	115.5	0	37.8	0									
MW11A	630	0	46	0	86.3	0									
MW11B	7.4	0	34.2	0	36.9	0									
MW12	358.3	0	94.3	0	6.9	0									
MW13A	1349	1	42.7	0	73.2	1									
MW13B	0	0	0.7	0	0.47	0									

Note: Results are for Unfiltered samples only.

# **Appendix E**

# Table of Groundwater Elevations andGroundwater Elevation Contour Map

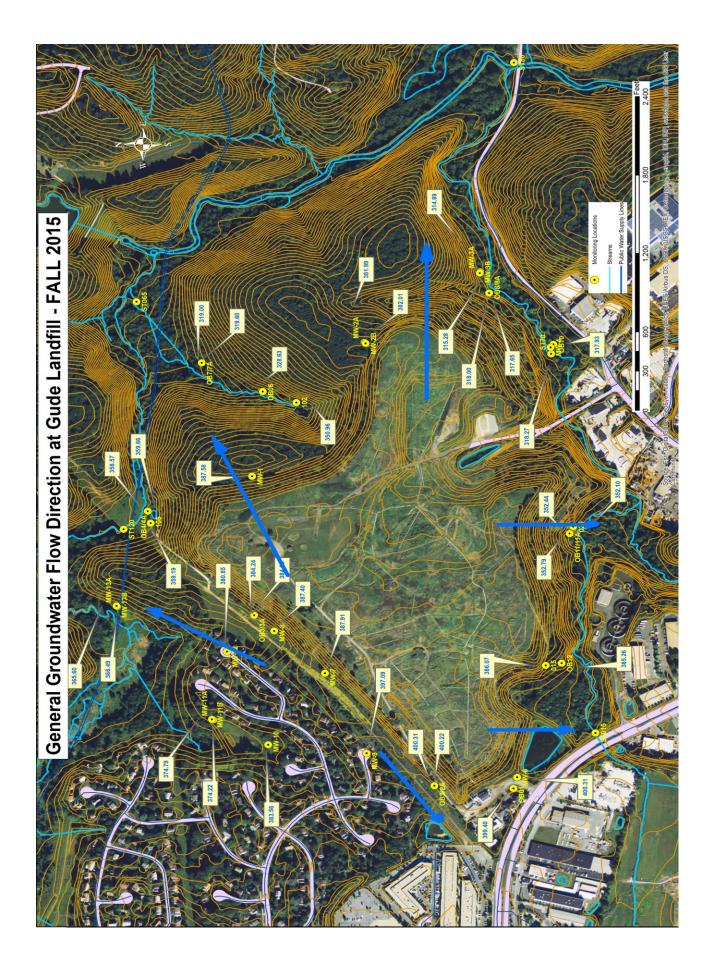
**Results in (ft. AMSL)** 

# TABLE 5 - Water Table Elevations Gude Landfill

Monitoring	Well	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Elevation	FALL 2015 Measured
Monitoring Well	Elevation	Water	Water	Water	Water	<b>Change From</b>	Water Elevation From
wen	( <b>ft</b> )	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Spring 2015	Ground Level (ft)
OB01	415.90	402.14	400.82	402.59	399.40	-3.2	16.5
OB02	418.48	403.70	401.91	404.14	400.31	-3.8	18.17
OB02A	418.61	403.93	401.95	404.52	400.22	-4.3	18.39
OB03	409.86	388.63	386.24	389.42	384.25	-5.2	25.61
OB03A	410.06	388.68	386.23	388.46	384.24	-4.2	25.82
OB04	364.21	359.70	359.37	359.95	358.57	-1.4	5.64
OB04A	365.37	360.72	359.94	360.63	359.19	-1.4	6.18
OB06	339.78	331.55	330.94	332.99	328.63	-4.4	11.15
OB07	329.49	323.25	322.70	324.22	319.60	-4.6	9.89
OB7A	328.44	322.65	321.97	323.50	319.00	-4.5	9.44
OB08	325.11	318.41	319.06	319.23	318.00	-1.2	7.11
OB08A	325.31	318.06	318.73	318.91	317.65	-1.3	7.66
OB10	325.77	319.06	318.68	319.18	318.27	-0.9	7.5
OB102	363.17	351.92	352.51	352.86	350.96	-1.9	12.21
OB105	363.45	361.18	360.32	361.13	359.66	-1.5	3.79
OB11	362.56	354.37	353.58	354.71	352.79	-1.9	9.77
OB11A	361.90	353.71	352.99	353.91	352.44	-1.5	9.46
OB12	405.01	389.20	386.75	389.49	385.26	-4.2	19.75
OB015	410.01	391.26	387.69	391.47	386.07	-5.4	23.94
OB025	361.89	355.47	352.94	354.67	352.10	-2.6	9.79
MW1B	434.00	383.62	391.76	387.14	387.58	0.4	46.42
MW2A	445.53	372.39	388.79	378.42	381.99	3.6	63.54
MW2B	444.45	372.77	388.74	378.42	382.01	3.6	62.44
MW3A	324.54	315.57	317.61	316.13	314.89	-1.2	9.65
MW3B	324.73	317.51	316.15	318.24	315.28	-3.0	9.45
MW04	324.75	318.58	318.17	318.59	317.93	-0.7	6.82
MW06	417.29	402.88	401.58	403.40	400.31	-3.1	16.98
MW07	433.81	390.50	389.88	391.09	387.91	-3.2	45.9
MW08	412.66	393.18	389.40	394.17	387.40	-6.8	25.26
MW09	417.69	400.36	399.12	400.95	397.09	-3.9	20.6
MW10	394.03	388.17	379.96	390.48	383.56	-6.9	10.47
MW11A	393.45	380.31	376.37	381.79	374.79	-7.0	18.66
MW11B	393.40	378.10	376.06	378.93	374.22	-4.7	19.18
MW12	397.55	384.11	390.12	384.58	380.85	-3.7	16.7
MW13A	373.37	367.75	364.93	368.00	365.60	-2.4	7.77
MW13B	373.35	368.49	367.77	368.72	366.49	-2.2	6.86
AVERAGE						-2.8	

NOTES:

- Elevations are from Sea Level



# Appendix F

**Statistical Analysis** 



EA Project No. 14982.01

# Topic:Statistical Analysis Summary: Fall 2015 Semi-Annual Water Sampling<br/>Gude Landfill, Montgomery CountyDate:30 November 2015

#### INTRODUCTION

EA Engineering, Science, and Technology, Inc., PBC (EA) performed statistical analysis for Gude Landfill as a supplement to the Fall 2015 Semi-Annual Groundwater Monitoring Report. The purpose of this Technical Memorandum is to present the statistical trends in concentrations observed following the August 2015 sampling event. Statistical analysis was performed for all wells within the Gude Landfill groundwater monitoring network using data collected from 2001 through August 2015, when available. Groundwater monitoring wells OB01, OB02, OB02A, OB03, OB03A, OB04, OB04A, OB06, OB07, OB07A, OB08, OB08A, OB10, OB11, OB11A, OB12, OB015, OB025, OB102, and OB105 were installed between 1984 and 1988. The statistical trend analysis for these wells used monitoring data since 2001. Groundwater monitoring wells MW-1B, MW-2A, MW-2B, MW-3A, MW-3B, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11A, MW-11B, MW-12, MW-13A, and MW-13B were installed in 2010 and first sampled in July 2010. All available data were used in the statistical analysis for these wells.

Groundwater monitoring wells MW-14A, MW-14B, and MW-15 were installed in 2011 and only sampled once, in September 2011. Statistical analysis was not performed on these wells due to insufficient data for the analysis.

Low-flow groundwater sampling methods were employed beginning with the Spring 2015 event and will continue to be utilized by Montgomery County (the County) during future monitoring events. Previously, three (3) volume well purge methods, which use higher flow rates, had been used. Higher flow rates can be associated with higher turbidity and can impact concentrations of constituents in groundwater samples. As a result, this change in methodologies may require further evaluation and potential modification of the statistical methods used as part of the semi-annual groundwater evaluation.

Intrawell statistical analysis was performed. Interwell statistical analysis was not performed due to insufficient data from an offsite/background well. If interwell analysis is required in the future, background data will need to be collected from an offsite/background well, such as MW-14A/B.

The methodologies and results of the statistical analysis are provided below.

#### STATISTICAL ANALYSIS METHODOLOGY

Gude Landfill ceased accepting waste in 1982 and is therefore only governed by the state of Maryland under the Code of Maryland Regulations (COMAR) and as directed by the Maryland Department of the Environment. Since 1982, the County has voluntarily, or through regulatory mandates, implemented and maintained Best Management

Practices (BMPs) for pre-regulatory era landfills to ensure compliance with COMAR requirements, including routine monitoring of groundwater and surface water. Part of routine water monitoring includes statistical analysis of groundwater data.

Interwell statistical analysis, if performed, would measure the statistical difference between constituent concentrations in off-site/background monitoring well(s) and down-gradient monitoring wells, whereas intrawell statistical analysis measures the statistical change in constituent concentrations in each individual well over time. Due to the lack of data for an off-site/background well, the intrawell Mann-Kendall test for trend, which is consistent with the United States Environmental Protection Agency (EPA) Unified Guidance (EPA 2009), was used to evaluate potential trends in the data.

The Mann-Kendall test for monotonic trend (Gilbert 1987) was used to identify constituents with concentrations that display an increasing or decreasing trend over time, at the ninety-five (95) percent significance level. The basic principle of the Mann-Kendall test is to examine the sign of all pairwise differences of observed values. The test does not have any distributional assumptions, i.e., it does not require the data to be normally distributed or follow any other distribution, and the test also can handle non-detects and irregular sampling intervals. The data are ordered by sampling date for each well/parameter pair and each concentration is compared to previous/historical concentrations. The test statistics are calculated based on the number of increases and decreases from one sampling event to another. The significance probability of an increasing or decreasing trend is then calculated from the test statistic and the number of sampling events for each well/parameter pair. Concentrations reported below the detection were treated as zero (0). Exact two-sided probabilities for the null distribution of the Mann-Kendall test were obtained from Hollander and Wolfe (1973). The null hypothesis of no trend was evaluated against the two-sided alternative hypothesis. Rejection of the null hypothesis at the ninety-five (95) percent significance level (i.e., two-sided p < 0.05) led to the conclusion that the monitoring data contain a statistically significant trend. Statistically significant trends were characterized as increasing (S < 0) or decreasing (S < 0).

The statistical test does not evaluate the magnitude of the increase or decrease associated with the results of the analysis.

A trend analysis was performed for each chemical constituent at every monitoring well if:

- 1. The monitoring well had been sampled on at least 4 independent time periods.
- 2. At least four (4) sample results were above the analytical detection limit.

Statistical analysis was not performed for groundwater monitoring wells MW-14A, MW-14B, and MW-15 since they have only been sampled once.

#### **GROUNDWATER TREND RESULTS**

Trend analysis results for volatile organic compounds (VOCs), metals, and general indicator parameters in groundwater are discussed in this section. Table 1 identifies parameters with statistically increasing trends, and Table 2 identifies parameters with statistically decreasing trends.

#### **Volatile Organic Compounds**

Ten (10) VOCs were identified as having increasing statistical trends, and sixteen (16) of the monitoring wells had one (1) or more VOCs with increasing statistical trends (Table 1). Twelve (12) VOCs were identified as having decreasing trends, and thirteen (13) of the monitoring wells had one (1) or more VOCs with decreasing statistical trends (Table 2). Seven (7) VOCs (benzene; chlorobenzene; 1,1-dichloroethane; cis-1,2-dichloroethene; 1,2-dichloropropane; tetrachloroethene; vinyl chloride) had both decreasing and increasing trends. Three (3) VOCs had only increasing trends: 1,2-dichlorobenzene (OB03, OB11); 1,4-dichlorobenzene (OB03, OB03A, OB04, OB04A, OB08, OB08A, OB10, OB11, OB11A, OB12, OB105); and trans-1,2-dichloroethene (OB12). Five (5) VOCs had only decreasing trends: chloroethane (OB03, OB03A, OB12), dichlorodifluoromethane (MW-13A, MW-13B, OB03, OB03A, OB10, OB11A), methylene chloride (MW-13A, OB11A), trichloroethene (OB01, OB02A, OB08A, OB11A), and trichlorofluoromethane (OB11A).

#### Metals

Twenty-four (24) metals (total and dissolved) were identified as having increasing statistical trends, and nineteen (19) of the monitoring wells had one (1) or more metals with increasing statistical trends (Table 1). Twenty-seven (27) metals (total and dissolved) were identified as having decreasing statistical trends, and twenty-eight (28) of the monitoring wells had one (1) or more metals with decreasing statistical trends (Table 2). The trend analysis does not indicate an overall trend of improvement or degradation in the groundwater quality with respect to metals concentrations. Beginning with the Spring 2015 sampling event, low-flow groundwater sampling methods were employed due to issues with high metal concentrations potentially related to high turbidity. Future data will be assessed to determine whether the reported concentrations of metals in samples collected using low-flow sampling methods are consistently lower than the concentrations reported using the old methodology. If such a difference is observed, the changed sampling methodology could result in artificial decreasing trends in total metals, which do not reflect changes in groundwater chemistry. If needed, the statistical methods used as part of the semi-annual groundwater evaluation could be modified to address such artificial trends. In order to conduct meaningful comparisons, it is recommended that a minimum of 4 years of low-flow sampling (8 events) be collected before conducting hypothesis testing to compare the low-flow methodology to those obtained using three (3) well volume purge methods.

#### **General Indicator Parameters**

Twenty-three (23) monitoring well locations were determined to have statistically increasing trends for one (1) or more general indicator parameters (Table 1), and twenty-three (23) monitoring well locations were determined to

have statistically decreasing trends for general indicator parameters (Table 2). Wells that did not exhibit statistically increasing general indicator parameters include MW-1B, MW-2B, MW-3A, MW-3B, MW-7, MW-8, MW-10, MW-11A, OB02, OB03A, OB08, OB015, OB025, and OB105.

#### REFERENCES

Gilbert, R.O. 1987. *Statistical methods for environmental pollution monitoring*. Van Nostrand Reinhold, New York.

Hollander, M. and D. A. Wolfe. 1973. Nonparametric Statistical Methods. Wiley, New York.

United States Environmental Protection Agency (EPA). 2009. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities Unified Guidance*. EPA/530/R-09-007. March.

Attachments: Tables

Table 1Chemical Constituents with Statistically Significant Increasing Trends<br/>(2001 through August 2015)

									GRC	UND	)WAT	TER N	NON	TOR	ING	WEL	L LO	CATI	ONS								Π
Parameter	MW-2A	4W-4	9-WM	6-MM	JW-10	<b>JW-11B</b>	JW-12	MW-13A	MW-13B	OB01	<b>DB02A</b>	OB03	<b>DB03A</b>	OB04	DB04A	<b>DB06</b>	OB07	<b>DB07A</b>	3B08	OB08A	<b>DB10</b>	OB11	OB11A	OB12	OB025	OB102	OB105
		-	-	~	-	-	-	~	-		)	Ŭ						0	0	Ŭ	Ŭ	Ŭ	Ŭ		Ŭ		Ŭ
1,1 Dichloroethane												V										V		Х	┝──	<b> </b>	
1,2-Dichlorobenzene												Х										Х		V	┣—	<b> </b> '	
1,2-Dichloropropane												Ň										Х		Х	┣──		
1,4-Dichlorobenzene												Х	Х	Х	Х				Х	Х	Х	Х	Х	Х	┣—	<u>                                     </u>	Х
Benzene														Х	Х									Х	┣—		
Chlorobenzene														Х	Х	Х			Х	Х	Х			Х		Х	
cis-1,2-Dichloroethene																	Х		Х					Х	Х	<u>                                     </u>	Х
Tetrachloroethene	<u> </u>					Х																			┡──		
trans-1,2-Dichloroethene																								Х	┝──		
Vinyl Chloride																			Х		Х						
Arsenic, total															Х											Х	
Barium, dissolved	$\vdash$	<u> </u>	Х		-	-			-		-				^		Х	-	-				<u> </u>	-	⊢	$\vdash$	┝──┦
Barium, dissolved	<u> </u>		^							Х	Х			Х	Х		^		Х		Х				┣──	Х	Х
Cadmium, dissolved	$\vdash$	<u> </u>	-		-	-			-	^	^			^	^			-	^		^	Х	<u> </u>	-	⊢	$\vdash$	-
Cadmium, total																						X			├──	┢──┙	
Calcium, dissolved			Х			Х				Х							Х				Х	^	Х		├──	$\vdash$	-
Calcium, total	<u> </u>		X			^				×				Х	Х		X				X		^	Х	├	┝──┤	
			^					v		^				^	^		^				^			^	┣──	┣──┘	
Cobalt, dissolved	<u> </u>		V					Х		V									V	V	V				┣──	┣──┘	V
Cobalt, total	<u> </u>		Х							Х				V					Х	Х	Х				┣──	┣──┘	Х
Copper, total			V			V				V				Х							V	V	V		—	┥───┤	
Magnesium, dissolved			Х			Х				X X							V				Х	Х	Х		—	┥───┤	
Magnesium, total	<u> </u>							V		~				V	V		Х				Х		V	V	—	──	
Manganese, dissolved	—							Х		V	V	V		Х	Х	V	V				V	V	Х	Х	┣──	┝──┤	V
Manganese, total	—									Х	Х	Х		Х	Х	Х	Х				Х	Х	Х		┣──	┝──┤	Х
Mercury, total	<u> </u>		V														Х					Х			┣──	┣──╵	Х
Nickel, dissolved			Х							X	X				V						V	V			┣—		
Nickel, total			Х							Х	Х				Х						Х	Х			┣──	Х	Х
Potassium, dissolved										Х															┣—	Х	
Potassium, total										Х				Х	.,		Х				Х	Х			┣—	Х	
Selenium, total														Х	Х	Х	Х	Х				Х			┣—	Х	Х
Sodium, dissolved			Х							Х						Х					V	Х			┣—	<b> </b> '	
Sodium, total			Х							Х						Х					Х	Х			┣—		-
Vandium, total	<u> </u>																								—	<u>                                     </u>	Х
Zinc, total																				Х							
Alkalinity														Х		Х	Х					Х		Х			
Ammonia Nitrogen														X			~								<u> </u>	Х	
Chemical Oxygen Demand														X											<u> </u>		
Chloride		Х	Х	Х	-	Х	-	Х	Х	Х	Х	Х		X	Х	Х	Х	Х	-		Х	Х	Х	-	<u> </u>		┢──┦
Hardness	Х	$\uparrow$								X	X			X	X	X	X	X			X	X	$\uparrow$	Х	<u> </u>		
Nitrate	$\vdash$	Х				Х			Х	X					~		X	X			~				<u> </u>		┝──┦
Nitrate+Nitrite		X				X			X	X							X	X							<u> </u>	$\vdash$	$\vdash$
Phosphate	├──	$\uparrow$				^			^	^	^						X	X		Х					<u> </u>	$\vdash$	$\vdash$
Specific Conductivity, Field										Х				Х			^	^		^					<u> </u>	$\vdash$	$\vdash$
Sulfate, total	$\vdash$	Х	Х		Х	-	Х		Х	^	-			^		Х	Х	Х	-			Х	<u> </u>	-	⊢	$\vdash$	$\vdash$
Temperature, Field	<u> </u>	<u>^</u>	^		^		^		^							X	^	^				^			⊢	$\vdash$	$\vdash$
1 Monitoring wolls MW 1P	<u> </u>	I													I	_							<u> </u>		<u> </u>	<u> </u>	

1. Monitoring wells MW-1B, MW-2B, MW-3A, MW-3B, MW-7, MW-8, MW-11A, OB02, and OB015 had no parameters with increasing trends

2. Existing monitoring wells MW-1B, MW-2A, MW- 2B, MW-3A, MW-3B, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11A, MW-11B, MW-12, MW-13A and MW-13B were first sampled in 2010.

#### Table 2 Chemical Constituents with Statistically Significant Decreasing Trends (2001 through August 2015)

												GR	OUNI	DWA	TERI	MON	TOR	ING \	NELL	LOC	CATIC	NS											
Parameter	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4	MW-6	MW-7	MW-8	0-WM	MW-11A	MW-12	MW-13A	MW-13B	OB01	OB02	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07A	OB08	OB08A	OB10	OB11	OB11A	OB12	OB015	OB025	OB102	OB105
	_	1	~	-	-	~	-	~	-	-	-	-	-	-		0	Ū		Ŭ	Ŭ	Ŭ		0		Ŭ	0	Ŭ	Ŭ		Ŭ	Ŭ	Ŭ	
1,1-Dichloroethane	$\square$														Х																$\square$	⊢	$ \parallel$
1,2-Dichloropropane	$\square$														Х																$\vdash$	$\vdash$	
Benzene													Х					Х	Х									Х			$\square$	⊢	
Chlorobenzene																		Х	Х									Х					
Chloroethane																		Х	Х										Х				
cis-1,2-Dichloroethene															Х	Х	Х					Х									$\square$		
Dichlorodifluoromethane													Х	Х				Х	Х							Х		Х					
Methylene Chloride													Х															Х					
Tetrachloroethene													Х	Х				Х	Х									Х			$\square$		
Trichloroethene															Х		Х								Х			Х				i l	
Trichlorofluoromethane																												Х			$ \neg $	$\square$	-
Vinyl Chloride													Х		Х															Х			
,																																	
Arsenic, total																		Х	Х														
Barium, dissolved				Х					Х			Х						Х	Х												$\square$	$\square$	
Barium, total				X	Х						Х	Х						Х	Х										Х		$ \neg $	$\square$	-
Cadmium, total	┝─┦			~								~						~	7.									Х	~				
Calcium, dissolved	Х			Х								Х																~		Х	<b>⊢</b> −†		
Calcium, total	_			X						Х		X													Х					X	┝──┦		
Cobalt, total	┝──┦			X	Х					^	Х	^							Х						^			Х		X	┝──┦	┢──┤	
	──┤			^	^						^								^									X		^	⊢−−	Х	
Copper, dissolved	──┤								V						V	V	V	V	V				V	V	V	V	v	^	V		⊢−−	<u> </u>	
Copper, total	$\square$								Х			X			Х	Х	Х	Х	Х				Х	Х	Х	Х	Х		Х		$\vdash$		
Iron, dissolved	$\square$								.,			Х				Х		Х	Х												$\vdash$	Х	
Iron, total	$\square$					Х			Х									Х	Х									Х			$\vdash$	$\vdash$	
Lead, total					Х		Х				Х																						
Magnesium, dissolved																														Х			
Magnesium, total				Х								Х																		Х	$\square$		
Manganese, dissolved										Х														Х								Х	
Manganese, total	Х			Х					Х		Х												Х										
Mercury, total																													Х				
Nickel, dissolved																									Х						$\square$		
Nickel, total						Х			Х														Х							Х			
Potassium, dissolved					Х							Х																					
Potassium, total				1	X																						1			Х	$\square$		-
Selenium, total	<u>├</u> ─┦			İ			Х																				İ				<b></b> +		$- \parallel$
Sodium, dissolved	<u>├</u> ─┦			Х	Х				Х				Х											Х			İ				<b></b> +		$- \parallel$
Sodium, total	$\vdash$		Х	X	X				X				X											X									$- \ $
Vanadium, total	┝─┦		~	~	X				~																						<b>⊢</b> −†	┢──┤	$- \ $
Zinc, dissolved	┢──┦																			Х											┢──┦	┢──┤	$- \ $
Zinc, total	Х				Х			Х	Х		х									^		Х				Х			Х			Х	$- \ $
	Ê								^													^											
Alkalinity				Х			Х			Х				Х	Х									Х						Х	i T	i T	
Ammonia Nitrogen				[	[																						[			Х		i l	
Chemical Oxygen Demand																															Х	Х	
Chloride									Х			Х																			$\square$	(T	
Hardness				1	1					Х		X															1						-
Nitrate	++												Х									Х							Х		<b>┌──┤</b>		$- \ $
Nitrate+Nitrite	┝─┦												X									X							X		<b>┌──┤</b>	<u> </u> − †	$- \parallel$
ORP, Field	┝─┤					Х							X									^										Х	
Sulfate, total	┢──┦				Х	^							^																		┝──┤		$\overline{}$
	⊢	V											V	V						V		V	V				V				⊢−−		Х
Total Dissolved Solids (TDS)		Х			Х	Х		Х	Х	L		Х	Х	X						Х	Х	Х	X	L			Х			Х		Х	

#### Notes:

 Monitoring wells MW-10, MW-11B, and OB07 had no parameters with decreasing trends
 Existing monitoring wells MW-1B, MW-2A, MW-2B, MW-3A, MW-3B, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11A, MW-11B, MW-12, MW-13A and MW-13B were first sampled in 2010.