



DEPARTMENT OF ENVIRONMENTAL PROTECTION

Isiah Leggett
County Executive

Robert G. Hoyt
Director

December 8, 2011

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 2011. This report has been developed based on the approved Groundwater and Surface Water Monitoring Plan (G&SWM) to monitor the water quality contamination in and around the Gude Landfill in Montgomery County. This report is submitted in fulfillment of the G&SWM requirements approved 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 April 2011 to September 2011. 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 recently constructed 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 newly installed observation wells have been designated by the prefix "MW", while the preexisting wells are designated by an "OB", as in prior reports. Information pertaining to the newly installed monitoring wells (MW) including permits, location, completion reports, and construction records has been forwarded to your office with prior reports.

The results obtained for this reporting period are similar and comparable with the prior monitoring results with respect to the types and concentrations of pollutants. The results represent typical fluctuations in water quality that have been observed previously during the past several years. The following provides a brief overview of the results obtained from the laboratory analyses for all the monitoring sites for this reporting period. 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:
 - **Preexisting monitoring wells:** OB01, OB02, OB02A, OB04, OB04A, OB06, OB08, OB08A, OB102, OB105, OB12, OB15, and OB25.
 - **Newly installed monitoring wells:** MW1B, MW2A, MW2B, MW3A, MW3B, MW06, MW07, MW08, MW10, MW11A, MW11B, MW12, and MW12B.
 - **Stream Locations:** No VOCs were detected above the recommended MCL in any of the monitored stream locations.
- A total of 37 VOCs exceeded the recommended MCL in the following monitoring wells:
 - **Preexisting monitoring wells:** OB03 (6 exceedances), OB03A (3 exceedances), OB07 (5 exceedances), OB07A (3 exceedances), OB10 (2 exceedances), and OB11 (6 exceedances).
 - **Newly installed monitoring wells:** MW04 (1 exceedance), MW09 (1 exceedance), MW13A (4 exceedances), and MW13B (6 exceedances).
- 1,1-Dichloroethene concentration exceeded the MCL of 7 ug/l in observation wells OB07 and OB11. Concentrations exceeding the MCL for this compound were 19 ug/l in OB07 and 30 ug/l in MW11.
- 1,2-Dichloroethane concentration exceeded the MCL of 5 ug/l in observation well OB03. Concentration exceeding the MCL for this compound was 6 ug/l.
- 1,2-Dichloropropane concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB03A, OB07, OB11 and MW13B. Concentrations exceeding the MCL for this compound ranged from 5.3 ug/l in OB07 to 11 ug/l in OB03.
- Benzene concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB07, OB11, and MW13B. Concentrations exceeding the MCL for this compound ranged from 5.5 ug/l in OB03 to 12 ug/l in OB11.
- Dichloromethane concentration exceeded the MCL of 5 ug/l in observation wells OB07A, OB11, OB13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 5.8 ug/l in OB07A to 18 ug/l in OB11.
- Tetrachloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB07, OB07A, OB11, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 6.2 ug/l in OB03 to 44 ug/l in OB11.
- Trichloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB03A, OB07, OB07A, OB10, OB11, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 11 ug/l at OB10 to 82 ug/l at OB03.
- Vinyl Chloride concentration exceeded the MCL of 2 ug/l in observation wells OB03, OB03A, OB10, MW04, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 3.1 ug/l in MW04 to 41 ug/l in OB03.

METALS AND OTHER PARAMETERS:

A summary of the metals and other parameters (non-organic contaminants) for this reporting period are listed below. Please refer to Table 3 of this report for additional information on metals and other water quality parameters results.

- A total of 5 metals and other non-organic contaminants exceeded the recommended MCL in the following monitoring locations:

- **Preexisting monitoring wells:** OB11 (1 exceedance).
- **Newly installed monitoring wells:** MW3A (1 exceedance), MW06 (1 exceedance), MW07 (1 exceedance), and MW10 (1 exceedance).
- **Stream Locations:** No metal contaminants or other non-organic contaminants were detected above the recommended MCL in any of the monitored stream locations.
- Cadmium with a recommended MCL of 0.005 mg/l was exceeded in samples collected from OB11 with a concentration of 0.0101 mg/l and in MW06 with a concentration of 0.0066 mg/l.
- Lead with a recommended MCL of 0.015 mg/l was exceeded in samples collected from observation well MW3A with a concentration of 0.023 mg/l and in MW10 with a concentration of 0.0153 mg/l. *(Note: The applied MCL for lead is different from other MCLs used in this report. The MCL for lead has been established for public drinking water systems and requires water samples to be collected from the tap. The regulations also require that no more than 10% of customer samples taken at the tap exceed the EPA Action Level of 0.015 mg/l. An action level exceedance is not a violation of water quality standards, but rather a trigger for further utility action. The MCL of 0.015 mg/l used in this report is only for comparative purposes.)*
- Nitrate with a recommended MCL of 10 mg/l was exceeded in a sample collected from observation well MW07 with a concentration of 18.45 mg/l.

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,



David Lake, Manager
Water and Wastewater Policy Group

cc: Robert Hoyt, 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 2011

Prepared by Montgomery County Department of Environmental Protection

Prepared for Maryland Department of Environment, Solid Waste Program

December 8, 2011

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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

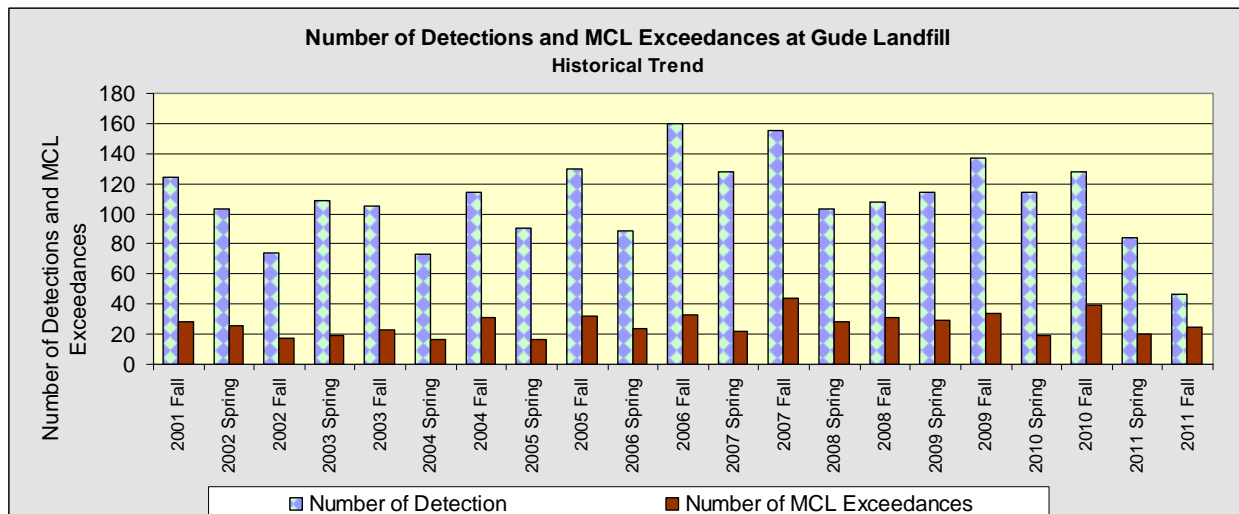
The appendices provide data tables for reference, as well as aerial photos and maps.

1. Volatile Organic Chemical Sampling Results:

- No VOCs were detected above recommended Maximum Contaminant Level (MCL) in the following monitoring wells and stream locations:
 1. **Preexisting monitoring wells:** OB01, OB02, OB02A, OB04, OB04A, OB06, OB08, OB08A, OB102, OB105, OB12, OB15, and OB25.
 2. **Newly installed monitoring wells:** MW1B, MW2A, MW2B, MW3A, MW3B, MW06, MW07, MW08, MW10, MW11A, MW11B, MW12, and MW12B.
 3. **Stream Locations:** No VOCs were detected above the recommended MCL in any of the monitored stream locations.
- A total of 37 VOCs exceeded the recommended MCL in the following monitoring wells:
 1. **Preexisting monitoring wells:** OB03 (6 exceedances), OB03A (3 exceedances), OB07 (5 exceedances), OB07A (3 exceedances), OB10 (2 exceedances), and OB11 (6 exceedances).
 2. **Newly installed monitoring wells:** MW04 (1 exceedance), MW09 (1 exceedance), MW13A (4exceedances), and MW13B (6 exceedances).
- 1,1-Dichloroethene concentration exceeded the MCL of 7 ug/l in observation wells OB07 and OB11. Concentrations exceeding the MCL for this compound were 19 ug/l

in OB07 and 30 ug/l in MW11.

- 1,2-Dichloroethane concentration exceeded the MCL of 5 ug/l in observation well OB03. Concentration exceeding the MCL for this compound was 6 ug/l.
- 1,2-Dichloropropane concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB03A, OB07, OB11 and MW13B. Concentrations exceeding the MCL for this compound ranged from 5.3 ug/l in OB07 to 11 ug/l in OB03.
- Benzene concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB07, OB11, and MW13B. Concentrations exceeding the MCL for this compound ranged from 5.5 ug/l in OB03 to 12 ug/l in OB11.
- Dichloromethane concentration exceeded the MCL of 5 ug/l in observation wells OB07A, OB11, OB13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 5.8 ug/l in OB07A to 18 ug/l in OB11.
- Tetrachloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB07, OB07A, OB11, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 6.2 ug/l in OB03 to 44 ug/l in OB11.
- Trichloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB03A, OB07, OB07A, OB10, OB11, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 11 ug/l at OB10 to 82 ug/l at OB03.
- Vinyl Chloride concentration exceeded the MCL of 2 ug/l in observation wells OB03, OB03A, OB10, MW04, MW13A, and MW13B. Concentrations exceeding the MCL for this compound ranged from 3.1 ug/l in MW04 to 41 ug/l in OB03.



Note: The above Graph does not include data collected from the newly (2010) installed monitoring wells.

2. Inorganic and Metals Sampling Results:

A summary of the metals and other parameters (non-organic contaminants) for this reporting period are listed below. Please refer to Table 3 of this report for additional information on metals and other water quality parameters results.

- A total of 5 metals and other non-organic contaminants exceeded the recommended MCL in the following monitoring locations:
 - **Preexisting monitoring wells:** OB11 (1 exceedance).
 - **Newly installed monitoring wells:** MW3A (1 exceedance), MW06 (1 exceedance),

- MW07 (1 exceedance), and MW10 (1 exceedance).
- **Stream Locations:** No metal contaminants or other non-organic contaminants were detected above the recommended MCL in any of the monitored stream locations.
 - Cadmium with a recommended MCL of 0.005 mg/l was exceeded in samples collected from OB11 with a concentration of 0.0101 mg/l and in MW06 with a concentration of 0.0066 mg/l.
 - Lead with a recommended MCL of 0.015 mg/l was exceeded in samples collected from observation well MW3A with a concentration of 0.023 mg/l and in MW10 with a concentration of 0.0153 mg/l. *(Note: The applied MCL for lead is different from other MCLs used in this report. The MCL for lead has been established for public drinking water systems and requires water samples to be collected from the tap. The regulations also require that no more than 10% of customer samples taken at the tap exceed the EPA Action Level of 0.015 mg/l. An action level exceedance is not a violation of water quality standards, but rather a trigger for further utility action. The MCL of 0.015 mg/l used in this report is only for comparative purposes.)*
 - Nitrate with a recommended MCL of 10 mg/l was exceeded in a sample collected from observation well MW07 with a concentration of 18.45 mg/l.

Overall, the results indicate comparable concentrations for metals and other water quality parameters from the last reporting period. Laboratory results for these metals are included in Appendix D, Tables 3 and 4 of this report.

3. Physical Water Quality Measurements:

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	pH
Potassium	Sodium
Specific Conductance.	Sulfate
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:

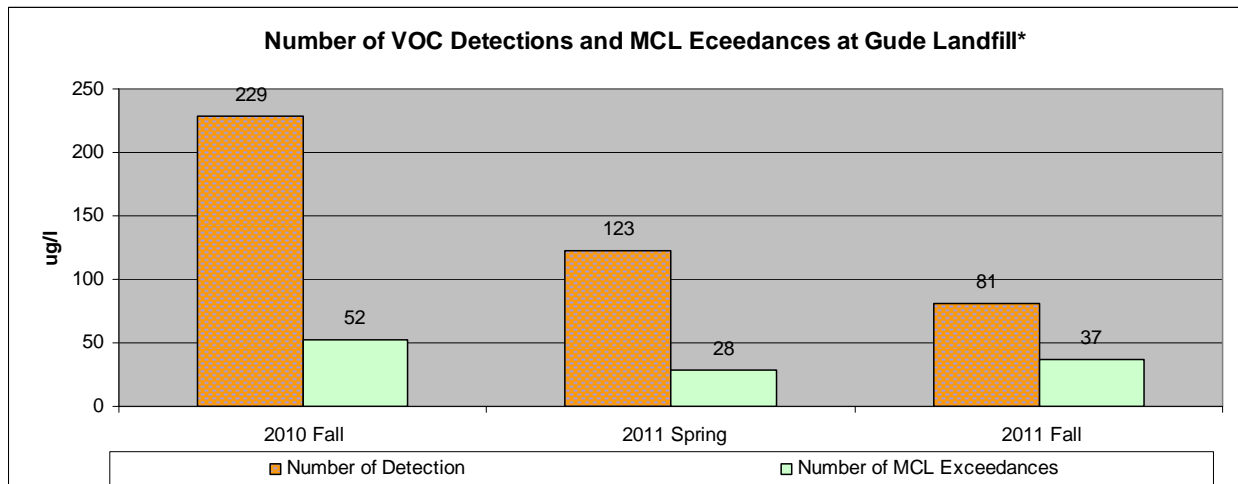
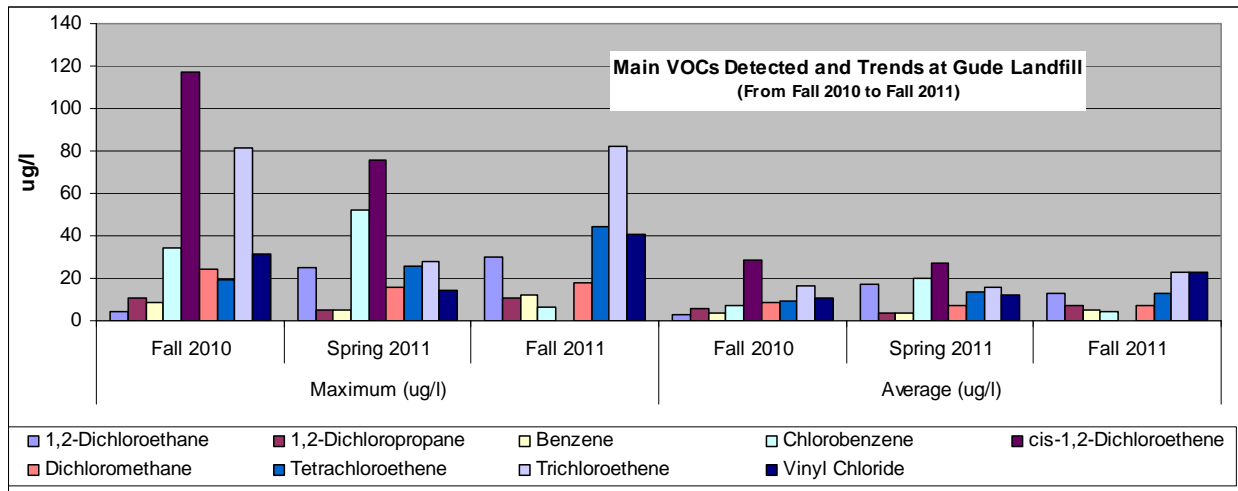
The groundwater elevation measurements of all the monitoring wells for the past monitoring events are included in Table-5 of this report. The results obtained from all the preexisting and recently installed monitoring wells indicate that the groundwater elevation at Gude Landfill has increased by an overall average of 2.8 ft from April 2011 to September 2011. 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. Conclusions/Trend Analysis:

Results obtained from the latest monitoring activities (Spring 2011) 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.



* This Graph includes the monitoring results for all the preexisting and new monitoring wells.
 This Graph in prior reports represented the monitoring results for preexisting wells only.

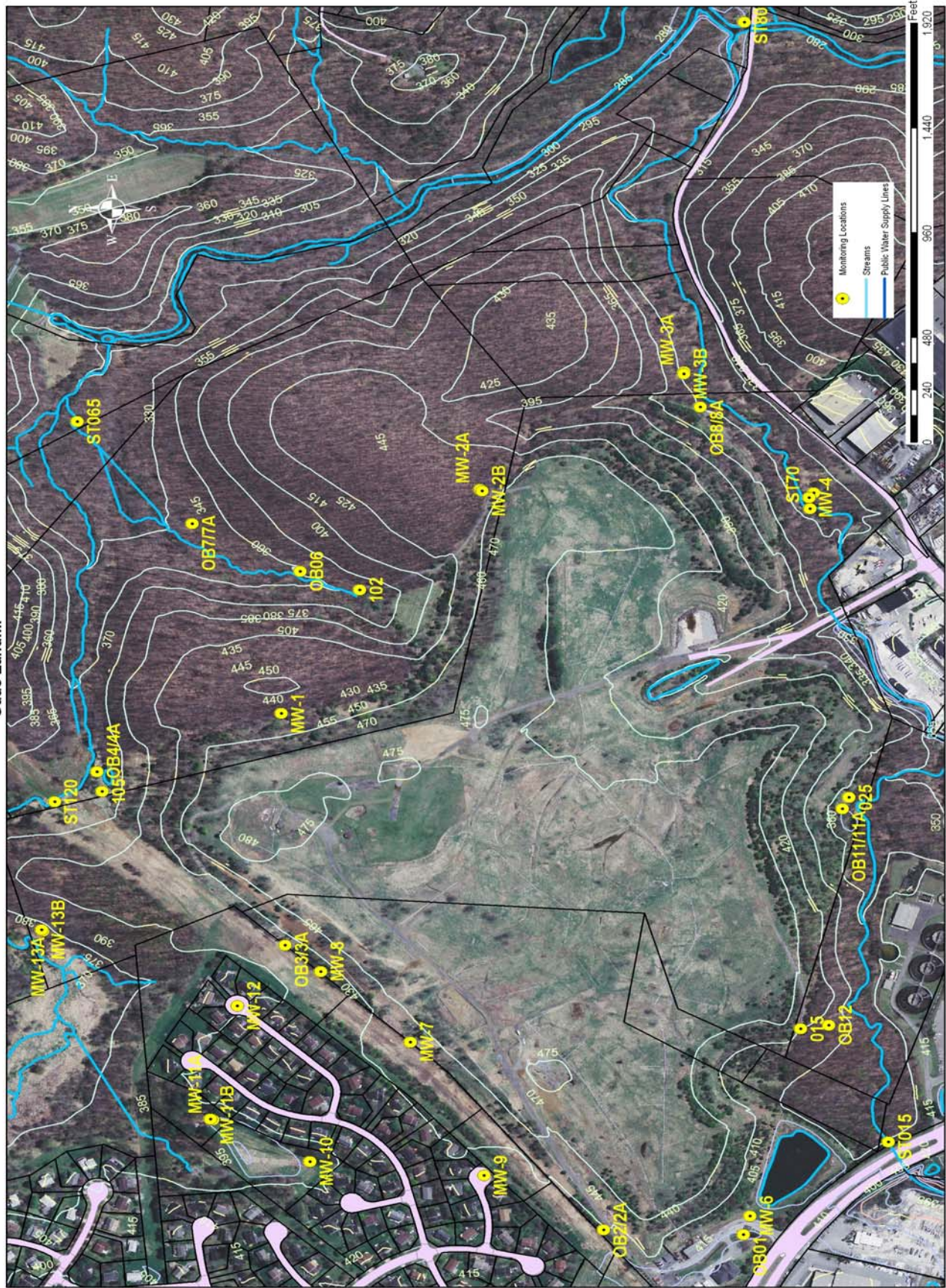
To provide an overall perspective on the quality of groundwater and surface water around the Gude Landfill, a summary of statistical trend analyses and observations are provided below and are included in Appendix C of this report. Please refer to the attached tables and diagrams for additional information.

- 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 8-9 year time period.
- While some detected VOC concentrations appear to be trending upwards, the concentration for other VOCs seem to be decreasing over the same period.
- 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.

Appendix A

Gude Landfill Aerial Photo and Sample Locations

Groundwater and Surface Water Monitoring Locations Gude Landfill



Appendix B

Tables of Volatile Organic Compounds

Results in ($\mu\text{g/l}$)

TABAL 1 - Volatile Organic Compounds

	Parameter	OB01	OB02	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07
FALL 2011	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	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	19
	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	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	6	3.7	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	11	8.1	ND	ND	ND	5.3
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	5.5	4.7	ND	2.1	ND	7.9
	Bromochloromethane	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	2.4	3.3	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	1.7	1.5	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	4.4	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	NT	NT	NT	NT	NT	NT	NT	NT	NT
	para-Xylene & meta-Xylene	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	6.2	ND	ND	1.3	ND	23	
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	ND	ND	ND	14	9	ND	2.2	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	ND	ND	ND	82	56	ND	1.3	ND	23	
Trichlorofluoromethane	ND	ND	ND	8.3	6.5	ND	ND	ND	ND	
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	41	31	ND	ND	ND	ND	
Xylenes (Total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected,
 Note: MCL exceedances are indicted in Red

TABAL 1 - Volatile Organic Compounds

	Parameter	OB07A	OB08	OB08A	OB10	OB102	OB105	OB11	OB11A	OB12
FALL 2011	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	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	30	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	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	7.2	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	2.4	ND	ND	12	ND	ND
	Bromochloromethane	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	17	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	5.8	ND	ND	ND	ND	ND	18	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	NT	NT	NT	NT	NT	NT	NT	NT	NT
	para-Xylene & meta-Xylene	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	23	ND	ND	2.3	ND	ND	44	ND	1.8	
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	ND	ND	ND	3.9	ND	ND	3.3	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	21	ND	ND	11	ND	2.1	37	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	17	ND	ND	ND	ND	ND	
Xylenes (Total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected,
 Note: MCL exceedances are indicted in Red

TABAL 1 - Volatile Organic Compounds

	Parameter	OB15	OB25	ST015	ST120	ST65	ST70	ST80	MW1B	MW2A
FALL 2011	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	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	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	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	ND	ND	ND	ND	ND	ND
	Bromochloromethane	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	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
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	NT	NT	NT	NT	NT	NT
	para-Xylene & meta-Xylene	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	2.5	
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	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	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	
Xylenes (Total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABAL 1 - Volatile Organic Compounds

	Parameter	MW2B	MW3A	MW3B	MW04	MW06	MW07	MW08	MW09	MW10
FALL 2011	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	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	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	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	2.1	ND	ND	ND	ND	ND
	Bromochloromethane	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	6.1	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	1.6	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	2	ND	1.7	ND	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	NT	NT	NT	NT	NT	NT	NT	NT	NT
	para-Xylene & meta-Xylene	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	3	ND	ND	1.5	ND	3	ND	16	ND	
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	ND	ND	ND	ND	2.2	ND	ND	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	ND	ND	ND	1.4	ND	3	2.8	ND	ND	
Trichlorofluoromethane	ND	ND	ND	14	ND	ND	ND	ND	ND	
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	3.1	ND	ND	ND	ND	ND	
Xylenes (Total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected,
 Note: MCL exceedances are indicted in Red

TABAL 1 - Volatile Organic Compounds

	Parameter	MW11A	MW11B	MW12	MW13A	MW13B
FALL 2011	1,1,1,2-Tetrachloroethane	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	ND	ND
	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	ND	4.6
	1,2-Dichloropropane	ND	ND	ND	4.4	7.4
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND
	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	3.7	6.3
	Bromochloromethane	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	3.7	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
	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	9.2	11
	Ethylbenzene	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND
	ortho-Xylene	NT	NT	NT	NT	NT
	para-Xylene & meta-Xylene	NT	NT	NT	NT	NT
	Styrene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	25	27	
Toluene	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	ND	ND	ND	6.2	7.3	
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	
trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	
Trichloroethene	ND	ND	ND	28	28	
Trichlorofluoromethane	ND	ND	ND	4.6	4.7	
Vinyl Acetate	ND	ND	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	18	25	
Xylenes (Total)	ND	ND	ND	ND	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected,
 Note: MCL exceedances are indicted in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
OB01	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	5.95	2.27	2.5	ND	2.03	1.37	ND	2.31	1.48	1.09	NS	1.02	1.85	0.75	1.33	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	1.1	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NT	1	1.48	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.46	ND	ND	ND
	1,2-Dichloropropane	2.34	1.16	1.88	ND	1.1	1.45	1.28	1.04	ND	ND	NS	ND	ND	0.59	ND	ND	ND
	1,4-Dichlorobenzene	1.75	ND	1.23	ND	1.37	ND	2.16	1.51	1.78	ND	NS	ND	1.94	2.81	3.19	ND	ND
	2-Butanone	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Acrylonitrile	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Benzene	1.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.39	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Bromofrom	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	1.04	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	1.26	ND	1.21	ND	NS	ND	1.03	1.57	1.43	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.25	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.92	0.74	ND	ND
	Chloromethane	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	47.72	19.47	33.97	5.98	34.36	16.06	34.18	22.85	25.5	14.78	NS	ND	11.8	ND	7.71	6.6	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.36	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND	ND	ND	0.77	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.34	ND	NT	NT
	para-Xylene & meta-Xylene	1.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	1.26	ND	ND	ND	NS	1.2	ND	0.51	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	3.35	ND	1.08	ND	1.09	ND	1.13	ND	1.42	ND	NS	ND	ND	0.67	0.70	ND	ND	
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	
trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND	
Trichloroethene	12.71	4.37	5.77	1.03	2.49	2.25	2.34	1.52	1.44	ND	NS	ND	ND	0.85	ND	ND	ND	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01	ND	ND	ND	
Vinyl Chloride	ND	NT	5.13	ND	4.4	3.32	5.26	1.42	4.75	1.31	NS	ND	ND	2.77	5.09	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
OB02	1,1,1,2-Tetrachloroethane	ND	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	ND
	1,1,2,2-Tetrachloroethane	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	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	1.48	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	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	1.13	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	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	1.28	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	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	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48	ND	ND	ND
	2-Butanone		NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	0.18	ND	ND	ND
	Acrylonitrile	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	ND	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	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	ND	ND
	Carbon disulfide	ND	ND	ND	ND	1.33	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	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	ND	ND	ND
	Chloromethane	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	50.54	21.16	12.61	4.53	6.06	1.79	1.41	1.14	1.19	1.96	1.38	1.15	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	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	ND	ND
	Dibromomethane	ND	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	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	1.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	2.89	ND	ND	ND	1.67	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	ND
trans-1,2-Dichloroethene	ND	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	ND	
trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND	
Trichloroethene	8.04	4.92	ND	1.36	2.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01	ND	ND	ND	
Vinyl Chloride	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
OB02A	1,1,1,2-Tetrachloroethane	ND	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	ND
	1,1,2,2-Tetrachloroethane	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	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	5.99	1.77	1.24	ND	1.1	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	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	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	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	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	ND	ND	ND	NT	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	1.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33	ND	ND	ND
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	Benzene	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	ND	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	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	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	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	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	1.5	ND
	cis-1,2-Dichloroethene	189.59	66.86	48.26	19.58	43.45	6.9	ND	ND	5.96	ND	6.87	9.19	ND	0.65	ND	ND	ND
	cis-1,3-Dichloropropene	ND	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	ND	ND
	Dibromomethane	ND	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	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	12.1	1.52	1.05	2.46	1.45	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	ND
trans-1,2-Dichloroethene	3.37	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	ND	
trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND	
Trichloroethene	30.84	9.27	6.68	5.14	4.6	2.27	ND	ND	1.57	ND	1.39	1.01	ND	ND	ND	ND	ND	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	
Vinyl Chloride	NT	NT	3.45	1.39	1.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
OB03	1,1,1,2-Tetrachloroethane	ND	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	ND
	1,1,2-Tetrachloroethane	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	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	22.87	27.74	33.3	29.03	42.38	36.78	21.95	34.7	44.7	47.23	36.07	48.38	45	13.2	36.40	23	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.71	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	1.63	ND	ND	ND	ND	ND	ND	ND	1.07	ND	ND	ND	ND	ND	1.52	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	3.27	ND	2.44	1.4	1.41	ND	2.1	1.51	2.83	1.82	1.34	ND	NT	0.83	1.92	ND	ND
	1,2-Dichloroethane	2.18	2.45	2.33	1.89	3.03	2.58	3.87	2.95	5.32	4.98	4.09	4.81	ND	1.24	3.84	ND	6
	1,2-Dichloropropane	4.87	7.91	10.73	10.53	11.53	9.4	13.74	9.67	15.23	14.47	12.33	16.14	15.8	3.6	10.10	4.1	11
	1,4-Dichlorobenzene	6.19	16.14	12.78	11.14	10.97	10.01	15.05	13.83	16.69	7.97	ND	ND	13.6	11.7	11.30	ND	ND
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.12	ND	8.1	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Benzene	7.48	6.58	5.28	2.4	4.29	3.34	4.53	3.99	6.12	4.62	3.2	5.53	4.56	1.83	4.24	ND	5.5
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	ND	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	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	ND	ND
	Carbon disulfide	2.12	ND	1.3	ND	1.03	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	3.9	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	38.11	6.25	4.42	4.22	3.24	4.92	3.98	5.59	3.89	2.32	2.04	2.76	2.98	7.22	2.26	5.7	2.4
	Chloroethane	ND	2.35	1.11	1.9	1.73	1.48	1.49	1.59	ND	1.23	1.19	1.61	1.55	0.79	1.51	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	5.3	1.7
	cis-1,2-Dichloroethene	86.56	47.05	67.11	56.21	98.51	71.67	128.85	87.59	148.91	161.47	120.9	164.77	156	31.7	117.00	38	ND
	cis-1,3-Dichloropropene	ND	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	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	13.2	ND	ND	6.33	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	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	5.57	ND	2.05	ND	1.71	2.6	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	1.7	ND	ND	ND	ND	ND	ND	ND	ND	1.33	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	61.22	1.65	26.04	3.06	23.14	1.85	22.97	ND	27.73	ND	ND	4.49	ND	ND	11.00	ND	6.2
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.46	ND	ND	1.49	ND	ND	ND	ND	
trans-1,2-Dichloroethene	3.9	4.84	4.97	4.09	6.27	5.19	11.59	7	12.95	8.87	12.43	11.02	9.59	3.11	7.01	6.3	14	
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	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	NT	NT	ND	ND	ND	ND	ND	
Trichloroethene	38.27	53.13	80.53	110.03	92.22	71.55	112.28	76.03	108.24	132.6	107.44	130.79	131	17.4	81.60	21	82	
Trichlorofluoromethane	2.87	ND	ND	3.3	2.44	3.18	4.34	ND	ND	ND	ND	ND	4.88	ND	ND	ND	8.3	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01	ND	ND	ND	
Vinyl Chloride	NT	NT	16.08	17.86	19.76	11.67	30.39	19.65	31.39	23.16	17.61	29.48	30.5	7.84	28.00	11	41	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
OB03A	1,1,1,2-Tetrachloroethane	ND	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	ND	
	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	4.44	2.25	38.51	2.73	42.13	18.85	23.61	15.56	44.14	50.9	41.01	46.99	25.3	3.23	32.40	ND	ND	
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.57	ND	ND	
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichlorobenzene	ND	ND	2	ND	1.54	ND	2.11	1.23	2.07	2	1.65	ND	NT	0.42	0.81	ND	ND	
	1,2-Dichloroethane	ND	ND	2.77	ND	3.3	1.82	3.59	1.33	5.52	5.07	4.4	4.1	ND	ND	3.30	ND	3.7	
	1,2-Dichloropropane	1.27	ND	12.68	ND	12.09	7.02	12.72	4.05	14.78	14.83	13.07	13.54	9.1	0.92	10.80	ND	8.1	
	1,4-Dichlorobenzene	11	8.44	14.11	10.38	11.61	9.64	15.61	16.31	14.76	7.67	ND	ND	12.6	5.92	9.28	ND	ND	
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.6	ND	ND	ND	
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	
	4-Methyl-2-Pentanone	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.13	ND	ND	ND	
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Benzene	5.3	6.76	6.31	4.44	4.66	2.73	5.18	3.8	6.23	4.47	5.44	4.08	4.19	1.2	4.06	ND	4.7	
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	
	Bromodichloromethane	ND	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	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	ND	ND	
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND	
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chlorobenzene	18.41	10.75	4.71	19.21	3.6	10.33	5.24	13.9	2.8	1.98	2.87	3.73	5.52	5.21	2.78	ND	3.3	
	Chloroethane	1.62	1.01	1.26	1.02	1.41	ND	1.53	1.42	1.63	1.43	1.38	1.69	1.21	0.33	1.31	ND	ND	
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	1.54	ND	1.5	
	cis-1,2-Dichloroethene	2.63	ND	79.29	3.01	102.56	41.96	117.86	29.76	150.17	168.82	141.19	137.52	84.9	6.23	98.10	11	ND	
	cis-1,3-Dichloropropene	ND	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	ND	ND	
	Dibromomethane	ND	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	2	
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	1.39	1.15	ND	ND	ND	
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	ND	ND	41.02	ND	30.99	ND	29.4	ND	33.23	1.66	26.21	3.67	7.11	ND	17.80	ND	ND		
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.05	ND	ND	ND	ND	ND	ND	ND		
trans-1,2-Dichloroethene	1.99	1.39	5.71	1.22	6.22	3.1	9.08	3.72	10.82	9.93	11.68	9.08	6.06	1.01	5.93	ND	9		
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	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	NT	NT	ND	ND	ND	ND	ND		
Trichloroethene	1.75	ND	84.92	4.89	85.13	51.33	95.18	20.26	97.78	141.41	101.3	113.09	66.7	2.71	19.30	ND	56		
Trichlorofluoromethane	ND	ND	3.01	ND	ND	ND	3.77	ND	ND	ND	ND	ND	3.08	ND	2.47	ND	6.5		
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01	ND	NT	ND		
Vinyl Chloride	NT	NT	18.6	1.47	19.56	4.62	26.98	5.96	30.58	23.11	22.43	27.36	22.9	1.99	23.50	ND	31		
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND		

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
OB04	1,1,1,2-Tetrachloroethane	ND	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	ND	
	1,1,2,2-Tetrachloroethane	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	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35	ND		22	ND
	1,1-Dichloroethene	ND	ND	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	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	0.45	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	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	ND	ND	ND	NT	0.46	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	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	0.52	ND	ND	ND	ND
	1,4-Dichlorobenzene	1.98	ND	2.22	ND	5.11	ND	5.96	5.53	6.19	ND	ND	ND	6.06	5.92	2.91	ND	ND	ND
	2-Butanone	NT	NT	ND	11.51	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.41	0.65	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.49	11.90	6.6	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	1.33	ND	1.65	1.7	1.85	ND	1.21	1.68	1.62	1.6	2.04	2.2	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	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	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	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	1.11	1.05	1.19	ND	ND	ND	1.09	1.18	0.90	ND	ND	ND
	Chloroethane	ND	ND	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	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	7.5	ND	ND
	cis-1,2-Dichloroethene	11.27	3.94	9.25	1.38	18.27	2.59	18.58	18.76	20.95	6.45	15.43	18.92	17	16.8	8.32	67	ND	ND
	cis-1,3-Dichloropropene	ND	ND	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	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	2.53	ND	1.48	1.6	1.42	ND	ND	1.42	1.93	1.72	1.03	7.7	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	3.16	ND	1.52	ND	1.15	ND	2.23	1.93	2.07	ND	1.34	1.99	1.25	1.69	0.70	13	ND	ND
	Toluene	ND	ND	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	0.45	ND	5.4	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	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	NT	NT	ND	ND	ND	ND	ND	ND	
Trichloroethene	1.55	ND	1.88	ND	1.71	ND	2.19	1.82	2.12	ND	1.4	1.82	1.66	1.51	1.08	17	ND	ND	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND	ND	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
Vinyl Chloride	NT	NT	ND	ND	1.57	ND	1.33	1.23	1.7	ND	ND	1.47	1.53	1.26	2.16	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
OB04A	1,1,1,2-Tetrachloroethane	ND	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	ND
	1,1,2-Tetrachloroethane	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	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	ND
	1,1-Dichloroethene	ND	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	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	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	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	ND	ND	ND	NT	0.47	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	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	0.57	0.51	ND	ND
	1,4-Dichlorobenzene	6.47	ND	5.66	5.63	ND	4.58	7.3	6.87	7.42	ND	4.46	ND	7.33	6.97	4.66	ND	ND
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	0.78	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	18.60	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Benzene	1.79	1.64	1.4	ND	ND	ND	1.65	1.72	1.83	1.4	1.32	1.65	1.68	1.65	2.45	ND	2.1
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	ND	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	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	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	1.08	1.02	1.17	ND	ND	1.07	1.14	1.14	0.87	ND	ND
	Chloroethane	ND	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	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	22.97	18.94	15.36	11.88	5.65	12.82	23.31	24.08	26.31	23.78	20.7	24.4	21.8	21.7	8.54	ND	ND
	cis-1,3-Dichloropropene	ND	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	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.44	ND	ND	ND	ND	ND	ND
	Dichloromethane	1.24	2.49	2.19	1.84	ND	1.5	2.77	3.31	2.67	2.45	ND	2.98	3.38	3.18	3.39	ND	4.4
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	1.01	1.39	ND	ND	1.45	1.92	1.77	1.65	1.42	1.34	1.7	1.23	1.52	0.60	ND	1.3
	Toluene	ND	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	0.55	ND	ND	2.2
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	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	NT	NT	ND	ND	ND	ND	ND
Trichloroethene	2.19	1.94	2.02	1.53	ND	1.87	2.24	1.93	2.08	1.96	1.45	1.87	1.83	1.71	1.07	ND	1.3	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01	ND	ND	ND	
Vinyl Chloride	NT	NT	1.49	1.43	ND	ND	1.15	1.06	2.02	1.37	1.39	1.65	2.12	1.83	2.78	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
OB06	1,1,1,2-Tetrachloroethane	ND	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	ND
	1,1,2-Tetrachloroethane	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	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	ND
	1,1-Dichloroethene	ND	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	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	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	11	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	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	1.46	ND	1.32	ND	1.08	ND	11	ND	1.44	1.03	ND	ND	1.43	ND	0.93	ND	ND
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	ND	0.57	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	0.14	ND	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	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	ND	ND	ND
	Bromoform	ND	ND	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	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.66	0.56	ND	ND
	Chloroethane	ND	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	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	0.91	ND	ND
	cis-1,2-Dichloroethene	3.03	2.59	2.01	ND	2.17	ND	2.77	NT	2.92	2.31	2.39	2.55	2.12	1.82	1.64	ND	ND
	cis-1,3-Dichloropropene	ND	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	ND	ND
	Dibromomethane	ND	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	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	1.11	1.15	ND	ND	1.01	ND	ND	0.68	ND	ND	ND
	Toluene	ND	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	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	NT	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.36	ND	ND	ND	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	
Vinyl Chloride	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
OB07	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	
	1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	19
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.54	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	NS	ND	NT	0.47	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	5.3
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	NS	ND	ND	0.58	ND	ND	ND	ND
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	7.9
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	2.13	4.62	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	ND	ND	ND	1.38	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	1.81	ND	ND	NS	1.45	1.63	1.3	1.48	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	1.68	ND	ND	NS	1.3	ND	1.23	1.61	ND	ND	23
	Toluene	ND	1.43	1.88	1.14	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	
trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.49	0.72	ND	ND	23	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	
Vinyl Chloride	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
OB07A	1,1,1,2-Tetrachloroethane	ND	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	ND	
	1,1,2,2-Tetrachloroethane	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	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	ND	
	1,1-Dichloroethene	ND	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	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	ND	ND	ND	ND	
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	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	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	0.23	ND	ND	ND
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	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	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	ND	ND	ND
	Carbon disulfide	ND	1.06	8.93	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	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	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	1.20	ND	ND
	cis-1,2-Dichloroethene	2.66	1.67	1.25	1.01	1.45	1.05	2.6	2.02	2.02	2.09	1.85	3.51	3	1.66	1.80	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	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	ND	ND	ND
	Dibromomethane	ND	ND	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	ND	5.8
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	1.23	1.41	1.75	1.15	1.41	2.56	1.59	1.46	1.91	2.12	2.66	1.81	1.94	1.82	2	23	23
	Toluene	ND	ND	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	ND	ND	
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	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	NT	NT	ND	ND	ND	ND	ND	ND	
Trichloroethene	1.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.64	0.88	ND	21	21	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01	ND	ND	ND	ND	
Vinyl Chloride	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
OB08	1,1,1,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	1.23	ND	ND	ND	ND	1.2	0.46	0.87	ND	ND
	1,1-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54	ND	ND	ND
	1,2-Dibromoethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	NS	ND	ND	1.01	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	0.59	ND	ND	ND
	1,2-Dichloroethane	NS	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	0.36	ND	ND	ND
	1,2-Dichloropropane	NS	ND	ND	ND	ND	ND	1.78	1.59	1.67	ND	ND	1.24	1.16	1.19	0.78	1.2	ND	ND
	1,4-Dichlorobenzene	NS	ND	ND	ND	ND	NT	2.1	3.35	3.16	ND	ND	ND	2.15	2.92	1.84	ND	ND	ND
	2-Butanone	NS	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND
	2-Hexanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NS			NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Acetone	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	2.7	0.21	0.50	ND	ND	ND
	Acrylonitrile	NS			NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Benzene	NS	ND	ND	ND	ND	ND	1.09	ND	ND	ND	ND	ND	ND	0.63	0.66	ND	ND	ND
	Bromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24	ND	ND	ND	ND
	Carbon disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	NS	ND	ND	ND	ND	ND	4.81	4.14	4.04	ND	ND	22.02	1.95	3.13	3.31	6.1	ND	ND
	Chloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41	0.55	ND	ND	ND
	Chloroform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	2.6	ND	ND
	cis-1,2-Dichloroethene	NS	1.85	1.76	ND	1.34	ND	9.92	8.88	11.07	3.92	3.1	10.93	10.4	10.3	8.39	8.9	ND	ND
	cis-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.38	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	0.44	ND	ND	ND	ND
	ortho-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	para-Xylene & meta-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Styrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	1.22	1.11	1.26	ND	ND	ND	ND	0.87	0.66	ND	ND	ND	
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,4-Dichloro-2-buten	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	
Trichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42	ND	ND	ND	ND	
Trichlorofluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.02	ND	3.2	ND	ND	
Vinyl Chloride	NS	NT	ND	ND	ND	ND	2.67	2.47	2.98	ND	ND	2.04	2.35	2.91	3.18	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
OB08A	1,1,1,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	1.43	1.05	ND	ND	ND	1.47	0.44	0.97	ND	ND
	1,1-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.07	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.32	ND	ND	ND
	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38	ND	ND	ND
	1,2-Dichloropropane	NS	ND	ND	ND	ND	ND	ND	2.53	2.17	2.33	1.22	ND	2.11	2.02	1.47	1.10	ND	ND
	1,4-Dichlorobenzene	NS	ND	ND	ND	ND	ND	ND	5.86	4.47	4.75	ND	ND	ND	3.97	3.34	2.83	ND	ND
	2-Butanone	NS	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	2-Hexanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Acetone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Acrylonitrile	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Benzene	NS	ND	ND	ND	ND	ND	ND	1.39	1.23	1.26	ND	ND	1.09	1.03	0.89	0.99	ND	ND
	Bromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	NS	ND	ND	ND	ND	ND	ND	5.54	4.84	4.64	2.27	ND	3.43	3.38	3.93	4.22	7.3	ND
	Chloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47	0.62	1	ND
	Chloroform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	0.89	4	ND
	cis-1,2-Dichloroethene	NS	2.46	2.79	ND	3.73	4.33	18.21	14.02	21.08	10.07	8.42	22.57	21.2	13.4	14.10	12	ND	ND
	cis-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	0.42	ND	ND	ND
	ortho-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	1.79	1.45	1.89	ND	ND	1.48	1.37	0.99	0.89	ND	ND
	trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
Trichloroethene	NS	1.32	2.34	ND	2.44	2.26	3.72	1.51	2.3	ND	ND	ND	1.52	1.29	0.64	0.51	ND	ND	
Trichlorofluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01	ND	4	ND	
Vinyl Chloride	NS	NT	ND	ND	ND	ND	ND	4.03	3.44	4.8	1.6	ND	5.16	6.5	4.11	4.76	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
OB10	1,1,1,2-Tetrachloroethane	ND	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	ND
	1,1,2,2-Tetrachloroethane	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	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	2.23	3.88	3.7	1.99	2.99	ND	ND	2.2	4.99	1.04	1.51	ND	3.49	ND	5.60	ND	ND
	1,1-Dichloroethene	ND	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	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	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	11	ND	1.19	ND	ND	ND	NT	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.64	ND	ND
	1,2-Dichloropropane	1.52	2.16	3.11	2.01	2.36	1.08	ND	1.48	4.46	1.55	1.84	ND	2.53	1.26	2.65	ND	ND
	1,4-Dichlorobenzene	1.2	1.28	2.43	2.03	2.53	ND	11	1.02	6.22	ND	ND	ND	4.84	2.1	5.54	ND	ND
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	1.67	ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Benzene	1.18	1.77	2.14	ND	1.87	ND	ND	ND	2.86	ND	1.1	ND	1.72	0.82	2.04	ND	2.4
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromofrom	ND	ND	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	0.22	ND	ND	ND
	Carbon disulfide	ND	ND	1.25	ND	ND	ND	ND	ND	1.03	NT	NT	NT	ND	ND	ND	2.3	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	1.01	ND	ND	ND	ND	0.32	0.98	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24	0.68	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	6.2	ND
	cis-1,2-Dichloroethene	18.6	22.58	22.03	10.04	21.18	4.81	ND	13.7	34.09	20.83	9.73	ND	17.9	11.5	24.00	9.6	ND
	cis-1,3-Dichloropropene	ND	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	ND	ND
	Dibromomethane	ND	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	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	6.03	ND	2.28	ND	ND	ND	2.47	ND	ND	ND	ND	1.03	2.86	1.95	ND	2.3
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	1.8	1.07	1.96	ND	ND	ND	5.04	1.12	1.49	ND	2.39	1.18	3.94	ND	3.9
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	ND	ND	ND	ND	ND
Trichloroethene	19.73	15.42	33.16	15.67	23.54	8.76	ND	10.6	28.64	1.31	3.73	ND	13.3	5.27	13.40	ND	11	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	
Vinyl Chloride	NT	NT	9.43	5.66	9.35	ND	ND	2.43	16.03	2.15	12.62	ND	6.07	2.39	11.70	ND	17	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
OB102	1,1,1,2-Tetrachloroethane	ND	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	ND	
	1,1,2,2-Tetrachloroethane	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	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	ND	ND
	1,1-Dichloroethene	ND	ND	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	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	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	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	ND	ND	ND	ND
	1,4-Dichlorobenzene	1.05	ND	ND	1.78	2.32	ND	12	2.03	ND	1.81	1.43	ND	ND	1.6	1.12	ND	ND	ND
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	0.53	ND	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25	ND	ND	ND	ND
	Carbon disulfide	2.13	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	1.17	1.31	1.54	1.65	1.74	2.43	1.65	1.41	3.43	2.27	1.7	1.51	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	1.34	2.27	1.28	2.3	2.14	2.5	1.75	1.46	1.54	1.38	1.13	0.65	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	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	ND	ND	ND
	Dibromomethane	ND	ND	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	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	1.05	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	0.47	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.83	ND	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	ND	ND
	trans-1,2-Dichloroethene	ND	ND	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	ND	ND	
trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	
Vinyl Chloride	NT	NT	2.98	ND	2.33	ND	1.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
OB105	1,1,1,2-Tetrachloroethane	ND	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	ND	
	1,1,2-Tetrachloroethane	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	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	ND	
	1,1-Dichloroethene	ND	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	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	ND	ND	ND	ND	
	1,2-Dibromoethane	ND	ND	ND	ND	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	ND	ND	ND	NT	ND	ND	ND	ND	
	1,2-Dichloroethane	ND	ND	ND	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		0.55	ND	ND
	1,4-Dichlorobenzene	ND	ND	1.38	ND	1.03	ND	ND	ND	2.23	ND	1.46	ND	3.38	0.72	3.32	ND	ND	
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.23	ND	ND	ND	
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	1.27	ND	31.10	ND	ND	
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.90	ND	ND	
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	
	Bromodichloromethane	ND	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	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	ND	ND	
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55	ND	ND	
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.89	ND	ND	
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	
	cis-1,2-Dichloroethene	ND	ND	3.19	ND	3.71	ND	ND	ND	8.03	ND	7.14	ND	11.1	0.97	ND	ND	ND	
	cis-1,3-Dichloropropene	ND	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	ND	ND	
	Dibromomethane	ND	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	0.77	ND	ND	
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	
	Styrene	ND	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	ND	
	Toluene	ND	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	ND	
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.25	ND	1.38	ND	2.1		
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND		
Vinyl Chloride	NT	NT	1.01	ND	1.31	ND	ND	ND	2.04	ND	ND	ND	1.51	ND	3.03	ND	ND		
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND		

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
OB11	1,1,1,2-Tetrachloroethane	ND	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	ND
	1,1,2,2-Tetrachloroethane	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	1.52	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	19.59	36.31	16.58	12.43	17.06	13.27	15.9	29.18	29.33	11.14	23	31.01	33.4	20.4	15.10	ND	ND
	1,1-Dichloroethene	ND	1.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.89	1.03	0.45	0.93	25	30
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	1.56	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	ND	ND
	1,2-Dichlorobenzene	ND	ND	1.77	1.03	ND	ND	2.89	2.38	2.42	1.03	1.55	ND	NT	1.75	1.51	3.9	ND
	1,2-Dichloroethane	1.11	2.56	1.07	1.4	1.28	1.38	3.81	ND	5.36	3.16	3.68	4.66	4.72	ND	3.94	2.8	ND
	1,2-Dichloropropane	3.37	5.13	3.74	3.92	3.41	3.47	8.11	7.99	8.27	4.67	6.31	8.28	8.15	4.9	6.10	5.1	7.2
	1,4-Dichlorobenzene	1.21	6.1	3.15	5.46	1.43	ND	13.38	12.63	13.36	2.46	6.43	ND	14.6	9.13	9.85	ND	ND
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	0.95	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	24.60	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Benzene	3.28	7.22	3.17	3.43	2.04	1.43	9.78	9.69	10.69	2.04	6.16	9.56	9.37	4.32	8.29	5.2	12
	Bromochloromethane	ND	ND	ND	ND	ND	ND	1.94	2.25	1.22	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	ND	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	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	ND	ND
	Carbon disulfide	ND	ND	1.2	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	14.96	36.13	19.64	31.35	15.03	12.61	60.16	56.32	61.28	11.69	35.91	52.75	50	28.3	34.30	52	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.57	ND	17
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	2.3	ND
	cis-1,2-Dichloroethene	46.08	141.35	41.73	53.18	46.22	45.81	149.39	164.85	176.66	92.93	137.27	190.55	184	123	73.60	ND	ND
	cis-1,3-Dichloropropene	ND	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	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	14.29	22.08	ND	4.41	ND	2.51	42.44	42.01	35.48	9.24	19.47	28.72	30.6	7.21	24.20	16	18
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.2	ND	6.41	2.67	ND	1.65	5.6	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	26.34	36.32	34.22	26.31	20.17	65.48	62	60.22	32.4	52.48	67.92	43.9	35.6	19.60	26	44
	Toluene	ND	ND	1.45	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	1.57	5.27	1.49	1.71	1.24	1.09	6.19	5.6	8.31	2.88	8.83	7.15	6.37	3.19	2.78	4.9	3.3
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	ND	ND	ND	ND	ND
Trichloroethene	30.06	39.15	28.57	26.35	25.32	20.17	55.99	52.41	59.1	28.56	42.66	53.74	51.5	31.2	33.90	28	37	
Trichlorofluoromethane	3.78	ND	3.22	1.87	1.66	ND	4.37	4.25	5.59	1.93	2.85	4.58	3.98	1.61	3.78	6.8	ND	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.25	ND	ND	ND	
Vinyl Chloride	NT	NT	3.54	6.36	2.44	1.75	15.95	12.02	16.89	4.49	8.73	15.64	20.3	7.43	20.90	14	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
OB11A	1,1,1,2-Tetrachloroethane	ND	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	ND	
	1,1,2-Tetrachloroethane	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	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethane	23.13	18.91	26.32	9.72	30.41	27.58	6.36	14.01	28.55	28.9	24.24	23.08	27.8	16.8	16.40	ND	ND	
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.07	ND	ND	
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND
	1,2-Dichlorobenzene	1.76	ND	2.16	ND	1.99	ND	1.84	1.29	1.88	2.45	2.05	ND	NT	1.67	1.10	2.8	ND	
	1,2-Dichloroethane	1.96	ND	2.59	ND	3.16	3.15	2.36	ND	5.76	5.34	4.48	3.6	ND	2.7	1.88	ND	ND	
	1,2-Dichloropropane	4.87	2.28	7.1	2.69	6.69	7.89	5.03	3.93	8.63	7.85	7.26	6.44	7.2	4.18	4.06	3.7	ND	
	1,4-Dichlorobenzene	6.16	ND	9.88	ND	10.33	8.3	9.1	8.58	15.32	11.24	12.3	ND	15.2	13.4	9.32	ND	ND	
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.12	22.80	ND	ND	
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Benzene	7.54	ND	7.71	ND	8.53	5.66	5.76	4.87	9.72	7.37	7.13	6.67	7.51	4.19	3.59	3.5	ND	
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	
	Bromodichloromethane	ND	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	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	ND	ND	
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chlorobenzene	38.78	4.61	54.04	5.74	51.74	51.24	34.47	23.03	52.49	42.48	39.6	33.51	36.9	21.3	20.60	29	ND	
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39	0.89	ND	ND	
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	1.4	ND	
	cis-1,2-Dichloroethene	87.72	37.71	102.11	23.84	126.58	119.67	100.04	86.72	189.64	189.43	173.52	148.44	168	113	81.60	76	ND	
	cis-1,3-Dichloropropene	ND	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	ND	ND	
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Dichloromethane	11.68	13.59	15.83	ND	10.77	8.39	3.6	2.74	9.3	5.59	1.73	2.72	1.77	2.4	5.45	1.8	ND	
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.33	ND	5.76	2.49	ND	2.00	3.8	ND	
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Tetrachloroethene	67.55	15.44	53.93	28.72	42.58	47.07	37.1	23.91	51.32	54.18	53.26	44.75	33.8	26.3	10.70	14	ND	
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	trans-1,2-Dichloroethene	4.03	ND	3.65	ND	4.65	3.57	3.67	2.74	8.79	9.82	10.82	5.07	5.45	3.07	3.18	ND	ND	
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	
	Trichloroethene	41.58	16.84	51.64	16.94	50.65	52.6	34.14	24.25	53.8	50.9	45.34	39.05	42.4	26.1	21.60	17	ND	
	Trichlorofluoromethane	2.72	ND	4.34	1.95	2.97	2.52	1.24	1.04	3.79	2.9	2.1	2.09	2.14	1.26	2.53	2.9	ND	
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.27	ND	ND	
	Vinyl Chloride	NT	NT	10.51	ND	13.3	7.95	12.01	10.23	18.34	13.71	12.75	13.43	15.4	10.2	31.60	11	ND	
	Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
OB12	1,1,1,2-Tetrachloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	NS	NS	NS	ND	11.6	2.66	4.97	2.74	12.73	8.14	12.72	10.97	22.7	10.6	39.20	23	ND
	1,1-Dichloroethene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54	ND	ND
	1,2,3-Trichloropropane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	NS	NS	NS	ND	ND	ND	11	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	1,2-Dichloroethane	NS	NS	NS	ND	ND	ND	ND	ND	1.59	ND	1.08	ND	ND	0.63	1.17	ND	ND
	1,2-Dichloropropane	NS	NS	NS	ND	3.25	2.02	4.85	1.13	7.25	3.75	5.61	3.62	5.55	2.93	6.29	3.3	ND
	1,4-Dichlorobenzene	NS	NS	NS	ND	2.01	ND	11	1.5	3.77	ND	2.82	ND	4.18	2.83	4.51	ND	ND
	2-Butanone	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	2-Hexanone	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Acetone	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.59	0.70	ND	ND
	Acrylonitrile	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Benzene	NS	NS	NS	ND	1.58	ND	2.15	ND	3.54	1.89	2.66	1.82	2.63	1.89	3.46	2.2	ND
	Bromochloromethane	NS	NS	NS	ND	ND	ND	1.29	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.21	0.92	1.46	ND	ND
	Chloroethane	NS	NS	NS	7.36	1.27	2.69	1.03	ND	ND	ND	2.5	2.61	1.39	0.87	1.64	ND	ND
	Chloroform	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NS	NS	NS	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	2.1	ND
	cis-1,2-Dichloroethene	NS	NS	NS	5.03	11.79	7.57	18.1	22.6	25.91	25.54	26.92	26.86	21.4	12.4	26.20	14	ND
	cis-1,3-Dichloropropene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	NS	NS	NS	7.22	ND	12.3	1.72	6.16	9.35	6.24	4.91	8.27	11.3	8.19	10	ND	ND
	Ethylbenzene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NS	NS	NS	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	0.85	ND	ND
	ortho-Xylene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	NS	NS	NS	4.85	12.43	5.03	21.98	ND	23.67	16.57	21.49	7.95	15.4	20	17.10	12	1.8
	Toluene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	NS	NS	NS	ND	ND	ND	1.38	ND	2.68	1.42	1.52	1.23	1.91	1.62	2.44	1.8	ND	
trans-1,3-Dichloropropene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,4-Dichloro-2-buten	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	
Trichloroethene	NS	NS	NS	10.18	14.72	13.99	17.23	ND	24.95	12.65	18.35	6.22	18.1	11.6	20.30	9.4	ND	
Trichlorofluoromethane	NS	NS	NS	ND	2.57	ND	2.26	ND	3.46	1.91	1.78	ND	2.42	1.8	3.80	4.5	ND	
Vinyl Acetate	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01	ND	6.6	ND	
Vinyl Chloride	NS	NS	NS	1.01	1.8	ND	6.32	1.54	2.9	6.72	3.97	6.99	6.3	7.32	6.22	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
OB15	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Tetrachloroethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	1.65	2.69	3.21	1.48	NS	3.19	1.88	7.04	NS	4.2	4.03	4.04	4.62	1.08	12.00	2.3	ND
	1,1-Dichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	1.34	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	NS	ND	11	ND	NS	ND	ND	ND	NT	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	1.07	NS	ND	11	ND	NS	ND	ND	ND	ND	0.28	ND	ND	ND
	2-Butanone	NT	NT	ND	ND	NS	ND	6.45	ND	NS	NT	NT	NT	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	NS	ND	ND	ND	NS	NT	NT	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NS	NT	NT	NT	NS	NT	NT	NT	NT	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	NS	ND	ND	ND	NS	NT	NT	NT	ND	0.61	ND	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NS	NT	NT	NT	NS	NT	NT	NT	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	1.77	ND	ND	NS	ND	ND	ND	NS	NT	NT	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	0.05	0.98	ND	ND
	Chloroform	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NS	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	NS	ND	ND	1.28	NS	1.1	1.51	1.17	1.51	1.18	1.02	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	NS	ND	ND	ND	NS	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NS	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	0.48	0.54	ND	ND
	Toluene	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	0.39	ND	ND	ND	
trans-1,3-Dichloropropene	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	NS	ND	ND	ND	NS	NT	NT	NT	ND	ND	ND	ND	ND	
Trichloroethene	1.57	1.24	1.42	ND	NS	2.73	1.75	1.16	NS	ND	ND	ND	ND	2.31	1.23	1.1	ND	
Trichlorofluoromethane	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NT	NT	NT	NT	NS	NT	NT	NT	NS	NT	NT	NT	NT	0.01	ND	ND	ND	
Vinyl Chloride	NT	NT	4.28	6.37	NS	6.33	11.66	18.4	NS	6.29	9.17	2.78	3.92	3.55	10.20	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
OB25	1,1,1,2-Tetrachloroethane	ND	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	ND
	1,1,2,2-Tetrachloroethane	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	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.13	0.63	1.11	ND	ND
	1,1-Dichloroethene	ND	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	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	ND	ND	143	ND
	1,2-Dibromoethane	ND	ND	ND	ND	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	ND	ND	ND	NT	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	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	0.23	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	1.38	ND	ND	ND	3.16	0.71	3.80	ND	ND
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.45	0.87	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.82	ND	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.11	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	ND	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	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	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	1.58	ND	1.07	ND	1.93	0.47	4.50	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17	0.69	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	2.56	6.07	4.38	6.23	4.12	7.5	4.52	6.82	ND	ND
	cis-1,3-Dichloropropene	ND	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	ND	ND
	Dibromomethane	ND	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	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	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	1.44	ND	ND	ND	ND	ND	0.86	ND	ND
	Toluene	ND	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	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	1.04	2.43	1.21	ND	ND	1.66	0.81	2.24	ND	ND	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	
Vinyl Chloride	NT	NT	3.33	ND	1.21	ND	2.15	ND	5.29	ND	4.29	ND	2.61	0.38	4.04	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
ST015	1,1,1,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	NS	ND	ND	ND	ND	2.82	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	NS	ND	ND	ND	ND	1.8	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	NS	ND	ND	ND	ND	3.69	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	NS	ND	ND	ND	ND	5.52	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	NS	ND	ND	ND	ND	2.56	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	NS	ND	NT	ND	ND	ND	ND
	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	NS	ND	ND	0.27	ND	ND	ND
	2-Butanone	NS	NT	ND	ND	ND	NT	ND	ND	ND	NT	NS	NT	ND	ND	0.56	ND	ND
	2-Hexanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	ND	ND	ND	ND	ND
	Acetone	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT	ND	0.27	ND	ND	ND
	Acrylonitrile	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	ND	ND	ND	ND	ND
	Benzene	NS	ND	ND	ND	ND	ND	ND	ND	1.11	ND	NS	ND	ND	ND	ND	ND	ND
	Bromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Bromoform	NS	ND	ND	ND	ND	1.09	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Carbon disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Chlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Chloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Chloroform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Chloromethane	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.78	ND	ND	ND
	cis-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	NS	ND	ND	ND	ND	1.04	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Dibromomethane	NS	ND	ND	ND	ND	2.33	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Dichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Ethylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	1.15	ND	NS	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND
	ortho-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	1.45	ND	NS	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	3.64	ND	NS	ND	ND	ND	ND	NT	NT
	Styrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
	Toluene	NS	ND	ND	ND	ND	ND	ND	ND	5.94	ND	NS	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	1.06	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	
trans-1,4-Dichloro-2-buten	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT	ND	ND	ND	ND	ND	
Trichloroethene	NS	1.08	1.05	ND	ND	ND	ND	1.4	ND	1.1	NS	2.2	ND	1.38	ND	ND	ND	
Trichlorofluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	ND	ND	ND	ND	
Vinyl Chloride	NS	NT	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
ST120	1,1,1,2-Tetrachloroethane	ND	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	ND	
	1,1,2,2-Tetrachloroethane	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	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	ND	
	1,1-Dichloroethene	ND	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	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	ND	ND	ND	ND	
	1,2-Dibromoethane	ND	ND	ND	ND	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	ND	ND	ND	NT	ND	ND	ND	ND	
	1,2-Dichloroethane	ND	ND	ND	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	ND	ND	ND	
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22	ND	ND	ND	
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.21	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Bromochloromethane	ND	ND	ND	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	ND	ND	ND	
	Bromofrom	ND	ND	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	ND	ND	
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	1.8	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	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	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	0.87	4.9	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	1.22	ND	2.52	ND	2.99	1.22	ND	1.15	1.54	0.57	1.26	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	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	ND	ND	ND
	Dibromomethane	ND	ND	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	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	1.65	ND	1.56	ND	ND	ND	ND	ND	ND	1.10	ND	ND
	Toluene	ND	ND	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	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	NT	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	1.33	ND	1.4	ND	ND	ND	ND	ND	0.27	0.90	ND	ND	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	
Vinyl Chloride	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
ST65	1,1,1,2-Tetrachloroethane	ND	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	ND	
	1,1,2,2-Tetrachloroethane	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	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.13	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	1.04	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	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	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	1.34	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND
	2-Butanone	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	1.17	ND	ND	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	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	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	0.23	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	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	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	0.81	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.43	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	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	ND	ND	ND
	Dibromomethane	ND	ND	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	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	ND	ND	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	ND	ND
	Toluene	ND	ND	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	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.13	ND	ND	ND	ND	ND	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	
Vinyl Chloride	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.29	ND	ND	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
ST70	1,1,1,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	NS	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	NT	ND	ND	ND
	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	NS	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	0.19	ND	ND	ND
	2-Butanone	NS	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	2-Hexanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	Acetone	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	Acrylonitrile	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	Benzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28	ND	ND	ND
	Carbon disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	Carbon Tetrachloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	1.04	ND	1.17	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NS	NT	NT	NT	NT	NT	NT	NT	NT	3.82	ND	7.27	1.19	4.27	1.04	ND	ND
	ortho-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND
Trichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichlorofluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	
Vinyl Chloride	NS	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
ST80	1,1,1,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2,3-Trichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dibromo-3-chloropropan	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dibromoethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichlorobenzene	NS	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	NS	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	NS	NT	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND
	2-Hexanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Acetone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.69	1.49	ND	ND
	Acrylonitrile	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Benzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Carbon Tetrachloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	para-Xylene & meta-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Styrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND
Trichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichlorofluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	
Vinyl Chloride	NS	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
MW1B	1,1,1,2-Tetrachloroethane															NT	ND	ND
	1,1,1-Trichloroethane															NT	ND	ND
	1,1,2,2-Tetrachloroethane															NT	ND	ND
	1,1,2-Trichloroethane															NT	ND	ND
	1,1-Dichloroethane															NT	ND	ND
	1,1-Dichloroethene															NT	ND	ND
	1,2,3-Trichloropropane															NT	ND	ND
	1,2-Dibromo-3-chloropropan															NT	ND	ND
	1,2-Dibromoethane															NT	ND	ND
	1,2-Dichlorobenzene															NT	ND	ND
	1,2-Dichloroethane															NT	ND	ND
	1,2-Dichloropropane															NT	ND	ND
	1,4-Dichlorobenzene															NT	ND	ND
	2-Butanone															NT	ND	ND
	2-Hexanone															NT	ND	ND
	4-Methyl-2-Pentanone															NT	ND	ND
	Acetone															NT	ND	ND
	Acrylonitrile															NT	ND	ND
	Benzene															NT	ND	ND
	Bromochloromethane															NT	ND	ND
	Bromodichloromethane															NT	ND	ND
	Bromoform															NT	ND	ND
	Bromomethane															NT	ND	ND
	Carbon disulfide															NT	ND	ND
	Carbon Tetrachloride															NT	ND	ND
	Chlorobenzene															NT	ND	ND
	Chloroethane															NT	ND	ND
	Chloroform															NT	ND	ND
	Chloromethane															NT	ND	ND
	cis-1,2-Dichloroethene															NT	ND	ND
	cis-1,3-Dichloropropene															NT	ND	ND
	Dibromochloromethane															NT	ND	ND
	Dibromomethane															NT	ND	ND
	Dichloromethane															NT	ND	ND
	Ethylbenzene															NT	ND	ND
	Methyl Iodide															NT	ND	ND
	Methyl Tertiary Butyl Ether															NT	ND	ND
	ortho-Xylene															NT	NT	NT
	para-Xylene & meta-Xylene															NT	NT	NT
	Styrene															NT	ND	ND
	Tetrachloroethene															NT	ND	ND
Toluene															NT	ND	ND	
trans-1,2-Dichloroethene															NT	ND	ND	
trans-1,3-Dichloropropene															NT	ND	ND	
trans-1,4-Dichloro-2-buten															NT	ND	ND	
Trichloroethene															NT	ND	ND	
Trichlorofluoromethane															NT	ND	ND	
Vinyl Acetate															NT	ND	ND	
Vinyl Chloride															NT	ND	ND	
Xylene (Total)															NT	ND	ND	

**NEW MONITORING WELL
Sampling started in Fall 2010**

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
MW2A	1,1,1,2-Tetrachloroethane															NT	ND	ND
	1,1,1-Trichloroethane															NT	ND	ND
	1,1,2,2-Tetrachloroethane															NT	ND	ND
	1,1,2-Trichloroethane															NT	ND	ND
	1,1-Dichloroethane															NT	ND	ND
	1,1-Dichloroethene															NT	ND	ND
	1,2,3-Trichloropropane															NT	ND	ND
	1,2-Dibromo-3-chloropropan															NT	ND	ND
	1,2-Dibromoethane															NT	ND	ND
	1,2-Dichlorobenzene															NT	ND	ND
	1,2-Dichloroethane															NT	ND	ND
	1,2-Dichloropropane															NT	ND	ND
	1,4-Dichlorobenzene															NT	ND	ND
	2-Butanone															NT	ND	ND
	2-Hexanone															NT	ND	ND
	4-Methyl-2-Pentanone															NT	ND	ND
	Acetone															NT	ND	ND
	Acrylonitrile															NT	ND	ND
	Benzene															NT	ND	ND
	Bromochloromethane															NT	ND	ND
	Bromodichloromethane															NT	ND	ND
	Bromoform															NT	ND	ND
	Bromomethane															NT	ND	ND
	Carbon disulfide															NT	ND	ND
	Carbon Tetrachloride															NT	ND	ND
	Chlorobenzene															NT	ND	ND
	Chloroethane															NT	ND	ND
	Chloroform															NT	ND	ND
	Chloromethane															NT	ND	ND
	cis-1,2-Dichloroethene															NT	ND	ND
	cis-1,3-Dichloropropene															NT	ND	ND
	Dibromochloromethane															NT	ND	ND
	Dibromomethane															NT	ND	ND
	Dichloromethane															NT	ND	ND
	Ethylbenzene															NT	ND	ND
	Methyl Iodide															NT	ND	ND
	Methyl Tertiary Butyl Ether															NT	ND	ND
	ortho-Xylene															NT	NT	NT
	para-Xylene & meta-Xylene															NT	NT	NT
	Styrene															NT	ND	ND
	Tetrachloroethene															NT		4
Toluene															NT	ND	ND	
trans-1,2-Dichloroethene															NT	ND	ND	
trans-1,3-Dichloropropene															NT	ND	ND	
trans-1,4-Dichloro-2-buten															NT	ND	ND	
Trichloroethene															NT	ND	ND	
Trichlorofluoromethane															NT	ND	ND	
Vinyl Acetate															NT	ND	ND	
Vinyl Chloride															NT	ND	ND	
Xylene (Total)															NT	ND	ND	

NEW MONITORING WELL
Sampling Started in Fall 2010

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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
MW2B	1,1,1,2-Tetrachloroethane															NT	ND	ND
	1,1,1-Trichloroethane															NT	ND	ND
	1,1,2,2-Tetrachloroethane															NT	ND	ND
	1,1,2-Trichloroethane															NT	ND	ND
	1,1-Dichloroethane															NT	ND	ND
	1,1-Dichloroethene															NT	ND	ND
	1,2,3-Trichloropropane															NT	ND	ND
	1,2-Dibromo-3-chloropropan															NT	ND	ND
	1,2-Dibromoethane															NT	ND	ND
	1,2-Dichlorobenzene															NT	ND	ND
	1,2-Dichloroethane															NT	ND	ND
	1,2-Dichloropropane															NT	ND	ND
	1,4-Dichlorobenzene															NT	ND	ND
	2-Butanone															NT	ND	ND
	2-Hexanone															NT	ND	ND
	4-Methyl-2-Pentanone															NT	ND	ND
	Acetone															NT	ND	ND
	Acrylonitrile															NT	ND	ND
	Benzene															NT	ND	ND
	Bromochloromethane															NT	ND	ND
	Bromodichloromethane															NT	ND	ND
	Bromoform															NT	ND	ND
	Bromomethane															NT	ND	ND
	Carbon disulfide															NT	ND	ND
	Carbon Tetrachloride															NT	ND	ND
	Chlorobenzene															NT	ND	ND
	Chloroethane															NT	ND	ND
	Chloroform															NT	ND	ND
	Chloromethane															NT	ND	ND
	cis-1,2-Dichloroethene															NT	ND	ND
	cis-1,3-Dichloropropene															NT	ND	ND
	Dibromochloromethane															NT	ND	ND
	Dibromomethane															NT	ND	ND
	Dichloromethane															NT	ND	ND
	Ethylbenzene															NT	ND	ND
	Methyl Iodide															NT	ND	ND
	Methyl Tertiary Butyl Ether															NT	ND	ND
	ortho-Xylene															NT	NT	NT
	para-Xylene & meta-Xylene															NT	NT	NT
	Styrene															NT	ND	ND
Tetrachloroethene															NT	1.9	3	
Toluene															NT	ND	ND	
trans-1,2-Dichloroethene															NT	ND	ND	
trans-1,3-Dichloropropene															NT	ND	ND	
trans-1,4-Dichloro-2-buten															NT	ND	ND	
Trichloroethene															NT	ND	ND	
Trichlorofluoromethane															NT	ND	ND	
Vinyl Acetate															NT	ND	ND	
Vinyl Chloride															NT	ND	ND	
Xylene (Total)															NT	ND	ND	

NEW MONITORING WELL
Sampling Started in Fall 2010

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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
MW3A	1,1,1,2-Tetrachloroethane															ND	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	ND	ND	
	1,1-Dichloroethene															ND	ND	ND	
	1,2,3-Trichloropropane															ND	ND	ND	
	1,2-Dibromo-3-chloropropan															ND	ND	ND	
	1,2-Dibromoethane															ND	ND	ND	
	1,2-Dichlorobenzene															ND	ND	ND	
	1,2-Dichloroethane															ND	ND	ND	
	1,2-Dichloropropane															ND	ND	ND	
	1,4-Dichlorobenzene															ND	ND	ND	
	2-Butanone															ND	ND	ND	
	2-Hexanone															ND	ND	ND	
	4-Methyl-2-Pentanone															ND	ND	ND	
	Acetone															ND	ND	ND	
	Acrylonitrile															ND	ND	ND	
	Benzene															ND	ND	ND	
	Bromochloromethane															ND	ND	ND	
	Bromodichloromethane															ND	ND	ND	
	Bromoform															ND	ND	ND	
	Bromomethane															ND	ND	ND	
	Carbon disulfide															ND	ND	ND	
	Carbon Tetrachloride															ND	ND	ND	
	Chlorobenzene															ND	ND	ND	
	Chloroethane															ND	ND	ND	
	Chloroform																1.46	1.5	1.6
	Chloromethane															ND	ND	ND	
	cis-1,2-Dichloroethene															ND	ND	ND	
	cis-1,3-Dichloropropene															ND	ND	ND	
	Dibromochloromethane															ND	ND	ND	
	Dibromomethane															ND	ND	ND	
	Dichloromethane															ND	ND	ND	
	Ethylbenzene															ND	ND	ND	
	Methyl Iodide															ND	ND	ND	
	Methyl Tertiary Butyl Ether															ND	ND	ND	
	ortho-Xylene															ND	NT	NT	
	para-Xylene & meta-Xylene															ND	NT	NT	
	Styrene															ND	ND	ND	
	Tetrachloroethene															ND	ND	ND	
Toluene															ND	ND	ND		
trans-1,2-Dichloroethene															ND	ND	ND		
trans-1,3-Dichloropropene															ND	ND	ND		
trans-1,4-Dichloro-2-buten															ND	ND	ND		
Trichloroethene															ND	ND	ND		
Trichlorofluoromethane															ND	ND	ND		
Vinyl Acetate															ND	ND	ND		
Vinyl Chloride															ND	ND	ND		
Xylene (Total)															NT	ND	ND		

NEW MONITORING WELL
Sampling Started in Fall 2010

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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
MW3B	1,1,1,2-Tetrachloroethane															ND	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	ND	ND	
	1,1-Dichloroethene															ND	ND	ND	
	1,2,3-Trichloropropane															ND	ND	ND	
	1,2-Dibromo-3-chloropropan															ND	ND	ND	
	1,2-Dibromoethane															ND	ND	ND	
	1,2-Dichlorobenzene															ND	ND	ND	
	1,2-Dichloroethane															ND	ND	ND	
	1,2-Dichloropropane															ND	ND	ND	
	1,4-Dichlorobenzene															ND	ND	ND	
	2-Butanone															ND	ND	ND	
	2-Hexanone															ND	ND	ND	
	4-Methyl-2-Pentanone															ND	ND	ND	
	Acetone															ND	ND	ND	
	Acrylonitrile															ND	ND	ND	
	Benzene															ND	ND	ND	
	Bromochloromethane															ND	ND	ND	
	Bromodichloromethane															ND	ND	ND	
	Bromoform															ND	ND	ND	
	Bromomethane															ND	ND	ND	
	Carbon disulfide															ND	ND	ND	
	Carbon Tetrachloride															ND	ND	ND	
	Chlorobenzene															ND	ND	ND	
	Chloroethane															ND	ND	ND	
	Chloroform															ND	ND	ND	
	Chloromethane															ND	ND	ND	
	cis-1,2-Dichloroethene																1.11	ND	ND
	cis-1,3-Dichloropropene															ND	ND	ND	
	Dibromochloromethane															ND	ND	ND	
	Dibromomethane															ND	ND	ND	
	Dichloromethane															ND	ND	ND	
	Ethylbenzene															ND	ND	ND	
	Methyl Iodide															ND	ND	ND	
	Methyl Tertiary Butyl Ether															ND	ND	ND	
	ortho-Xylene															ND	NT	NT	
	para-Xylene & meta-Xylene															ND	NT	NT	
	Styrene															ND	ND	ND	
	Tetrachloroethene															ND	ND	ND	
	Toluene															ND	ND	ND	
trans-1,2-Dichloroethene															ND	ND	ND		
trans-1,3-Dichloropropene															ND	ND	ND		
trans-1,4-Dichloro-2-buten															ND	ND	ND		
Trichloroethene															ND	ND	ND		
Trichlorofluoromethane															ND	ND	ND		
Vinyl Acetate															ND	ND	ND		
Vinyl Chloride															ND	ND	ND		
Xylene (Total)															NT	ND	ND		

NEW MONITORING WELL
Sampling started in Fall 2010

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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
MW04	1,1,1,2-Tetrachloroethane															ND	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
	1,1-Dichloroethene															ND	ND	ND
	1,2,3-Trichloropropane															ND	ND	ND
	1,2-Dibromo-3-chloropropan															ND	ND	ND
	1,2-Dibromoethane															ND	ND	ND
	1,2-Dichlorobenzene															ND	ND	ND
	1,2-Dichloroethane															ND	ND	ND
	1,2-Dichloropropane															ND	ND	ND
	1,4-Dichlorobenzene															ND	ND	ND
	2-Butanone															ND	ND	ND
	2-Hexanone															ND	ND	ND
	4-Methyl-2-Pentanone															ND	ND	ND
	Acetone															ND	9.4	ND
	Acrylonitrile															ND	ND	ND
	Benzene															ND	1.1	2.1
	Bromochloromethane															ND	ND	ND
	Bromodichloromethane															ND	ND	ND
	Bromoform															ND	ND	ND
	Bromomethane															ND	ND	ND
	Carbon disulfide															ND	ND	ND
	Carbon Tetrachloride															ND	ND	ND
	Chlorobenzene															ND	5.6	ND
	Chloroethane															ND	ND	ND
	Chloroform															ND	ND	ND
	Chloromethane															ND	2.9	ND
	cis-1,2-Dichloroethene															ND	13	ND
	cis-1,3-Dichloropropene															ND	ND	ND
	Dibromochloromethane															ND	ND	ND
	Dibromomethane															ND	ND	ND
	Dichloromethane															ND	ND	2
	Ethylbenzene															ND	ND	ND
	Methyl Iodide															ND	ND	ND
	Methyl Tertiary Butyl Ether															ND	ND	ND
	ortho-Xylene															ND	NT	NT
	para-Xylene & meta-Xylene															ND	NT	NT
	Styrene															ND	ND	ND
	Tetrachloroethene															ND	ND	1.5
	Toluene															ND	ND	ND
trans-1,2-Dichloroethene															ND	1.7	ND	
trans-1,3-Dichloropropene															ND	ND	ND	
trans-1,4-Dichloro-2-buten															ND	ND	ND	
Trichloroethene															ND	5.6	1.4	
Trichlorofluoromethane															ND	ND	14	
Vinyl Acetate															ND	ND	ND	
Vinyl Chloride															ND	ND	3.1	
Xylene (Total)															NT	ND	ND	

NEW MONITORING WELL
Sampling started in Fall 2010

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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
MW06	1,1,1,2-Tetrachloroethane															ND	ND	ND	
	1,1,1-Trichloroethane															ND	ND	ND	
	1,1,2-Tetrachloroethane															ND	ND	ND	
	1,1,2-Trichloroethane															ND	ND	ND	
	1,1-Dichloroethane																6.86	ND	ND
	1,1-Dichloroethene																ND	ND	ND
	1,2,3-Trichloropropane																ND	ND	ND
	1,2-Dibromo-3-chloropropan																ND	ND	ND
	1,2-Dibromoethane																ND	ND	ND
	1,2-Dichlorobenzene																ND	ND	ND
	1,2-Dichloroethane																1.84	ND	ND
	1,2-Dichloropropane																2.37	ND	ND
	1,4-Dichlorobenzene																6.64	ND	ND
	2-Butanone																ND	ND	ND
	2-Hexanone																ND	ND	ND
	4-Methyl-2-Pentanone																ND	ND	ND
	Acetone																ND	ND	ND
	Acrylonitrile																ND	ND	ND
	Benzene																0.74	ND	ND
	Bromochloromethane																ND	ND	ND
	Bromodichloromethane																ND	ND	ND
	Bromoform																ND	ND	ND
	Bromomethane																ND	ND	ND
	Carbon disulfide																ND	ND	ND
	Carbon Tetrachloride																ND	ND	ND
	Chlorobenzene																5.77	7.1	6.1
	Chloroethane																ND	ND	ND
	Chloroform																ND	ND	ND
	Chloromethane																ND	ND	ND
	cis-1,2-Dichloroethene																33.20	ND	ND
	cis-1,3-Dichloropropene																ND	ND	ND
	Dibromochloromethane																ND	ND	ND
	Dibromomethane																ND	ND	ND
	Dichloromethane																0.56	ND	ND
	Ethylbenzene																ND	ND	ND
	Methyl Iodide																ND	ND	ND
	Methyl Tertiary Butyl Ether																5.16	ND	ND
	ortho-Xylene																ND	NT	NT
	para-Xylene & meta-Xylene																ND	NT	NT
	Styrene																ND	ND	ND
	Tetrachloroethene																ND	ND	ND
Toluene																ND	ND	ND	
trans-1,2-Dichloroethene																2.63	ND	2.2	
trans-1,3-Dichloropropene																ND	ND	ND	
trans-1,4-Dichloro-2-buten																ND	ND	ND	
Trichloroethene																1.19	ND	ND	
Trichlorofluoromethane																ND	ND	ND	
Vinyl Acetate																ND	ND	ND	
Vinyl Chloride																ND	ND	ND	
Xylene (Total)																NT	ND	ND	

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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
MW07	1,1,1,2-Tetrachloroethane															ND	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	ND	ND	
	1,1-Dichloroethene															ND	ND	ND	
	1,2,3-Trichloropropane															ND	ND	ND	
	1,2-Dibromo-3-chloropropan															ND	ND	ND	
	1,2-Dibromoethane															ND	ND	ND	
	1,2-Dichlorobenzene															ND	ND	ND	
	1,2-Dichloroethane															ND	ND	ND	
	1,2-Dichloropropane															ND	ND	ND	
	1,4-Dichlorobenzene															ND	ND	ND	
	2-Butanone																0.73	ND	ND
	2-Hexanone															ND	ND	ND	
	4-Methyl-2-Pentanone															ND	ND	ND	
	Acetone																4.74	ND	ND
	Acrylonitrile															ND	ND	ND	
	Benzene															ND	ND	ND	
	Bromochloromethane															ND	ND	ND	
	Bromodichloromethane															ND	ND	ND	
	Bromoform															ND	ND	ND	
	Bromomethane															ND	ND	ND	
	Carbon disulfide															2.00	ND	ND	
	Carbon Tetrachloride															ND	ND	ND	
	Chlorobenzene															ND	ND	ND	
	Chloroethane															ND	ND	ND	
	Chloroform															ND	ND	ND	
	Chloromethane															0.58	ND	ND	
	cis-1,2-Dichloroethene															ND	ND	ND	
	cis-1,3-Dichloropropene															ND	ND	ND	
	Dibromochloromethane															ND	ND	ND	
	Dibromomethane															ND	ND	ND	
	Dichloromethane															ND	ND	1.7	
	Ethylbenzene															ND	ND	ND	
	Methyl Iodide															ND	ND	ND	
	Methyl Tertiary Butyl Ether															ND	ND	ND	
	ortho-Xylene															ND	NT	NT	
	para-Xylene & meta-Xylene															ND	NT	NT	
	Styrene															ND	ND	ND	
	Tetrachloroethene																0.54	ND	3
Toluene															ND	ND	ND		
trans-1,2-Dichloroethene															ND	ND	ND		
trans-1,3-Dichloropropene															ND	ND	ND		
trans-1,4-Dichloro-2-buten															ND	ND	ND		
Trichloroethene																0.52	11	3	
Trichlorofluoromethane															ND	ND	ND		
Vinyl Acetate															ND	ND	ND		
Vinyl Chloride															ND	ND	ND		
Xylene (Total)															NT	ND	ND		

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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
MW08	1,1,1,2-Tetrachloroethane															ND	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	ND	ND	
	1,1-Dichloroethene															ND	ND	ND	
	1,2,3-Trichloropropane															ND	ND	ND	
	1,2-Dibromo-3-chloropropan															ND	ND	ND	
	1,2-Dibromoethane															ND	ND	ND	
	1,2-Dichlorobenzene															ND	ND	ND	
	1,2-Dichloroethane															ND	ND	ND	
	1,2-Dichloropropane															ND	ND	ND	
	1,4-Dichlorobenzene															ND	ND	ND	
	2-Butanone															ND	ND	ND	
	2-Hexanone															ND	ND	ND	
	4-Methyl-2-Pentanone															ND	ND	ND	
	Acetone																1.41	8.6	ND
	Acrylonitrile																ND	ND	ND
	Benzene																ND	ND	ND
	Bromochloromethane																ND	ND	ND
	Bromodichloromethane																ND	ND	ND
	Bromoform																ND	ND	ND
	Bromomethane																ND	ND	ND
	Carbon disulfide																ND	1.1	ND
	Carbon Tetrachloride																ND	ND	ND
	Chlorobenzene																0.51	ND	ND
	Chloroethane																ND	ND	ND
	Chloroform																ND	ND	ND
	Chloromethane																1.98	3.7	ND
	cis-1,2-Dichloroethene																ND	ND	ND
	cis-1,3-Dichloropropene																ND	ND	ND
	Dibromochloromethane																ND	ND	ND
	Dibromomethane																ND	ND	ND
	Dichloromethane																ND	ND	ND
	Ethylbenzene																ND	ND	ND
	Methyl Iodide																ND	ND	ND
	Methyl Tertiary Butyl Ether																ND	ND	ND
	ortho-Xylene																ND	NT	NT
	para-Xylene & meta-Xylene																ND	NT	NT
	Styrene																ND	ND	ND
	Tetrachloroethene																ND	ND	ND
	Toluene																ND	ND	ND
trans-1,2-Dichloroethene																ND	ND	ND	
trans-1,3-Dichloropropene																ND	ND	ND	
trans-1,4-Dichloro-2-buten																ND	ND	ND	
Trichloroethene																ND	ND	2.8	
Trichlorofluoromethane																ND	ND	ND	
Vinyl Acetate																ND	ND	ND	
Vinyl Chloride																ND	ND	ND	
Xylene (Total)																NT	ND	ND	

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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
MW09	1,1,1,2-Tetrachloroethane															ND	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	ND	ND	
	1,1-Dichloroethene															ND	ND	ND	
	1,2,3-Trichloropropane															ND	ND	ND	
	1,2-Dibromo-3-chloropropan															ND	ND	ND	
	1,2-Dibromoethane															ND	ND	ND	
	1,2-Dichlorobenzene															ND	ND	ND	
	1,2-Dichloroethane															ND	ND	ND	
	1,2-Dichloropropane															ND	ND	ND	
	1,4-Dichlorobenzene															ND	ND	ND	
	2-Butanone															ND	ND	ND	
	2-Hexanone															ND	ND	ND	
	4-Methyl-2-Pentanone															ND	ND	ND	
	Acetone															ND		22	ND
	Acrylonitrile															ND	ND		ND
	Benzene															ND		1	ND
	Bromochloromethane															ND	ND		ND
	Bromodichloromethane															ND	ND		ND
	Bromoform															ND	ND		ND
	Bromomethane															ND	ND		ND
	Carbon disulfide															ND	ND		ND
	Carbon Tetrachloride															ND	ND		ND
	Chlorobenzene															ND	ND		ND
	Chloroethane															ND	ND		ND
	Chloroform															ND	ND		ND
	Chloromethane															ND	ND		ND
	cis-1,2-Dichloroethene															ND	ND		ND
	cis-1,3-Dichloropropene															ND	ND		ND
	Dibromochloromethane															ND	ND		ND
	Dibromomethane															ND	ND		ND
	Dichloromethane															ND	ND		ND
	Ethylbenzene															ND	ND		ND
	Methyl Iodide															ND	ND		ND
	Methyl Tertiary Butyl Ether															ND	ND		ND
	ortho-Xylene															ND	NT		NT
	para-Xylene & meta-Xylene															ND	NT		NT
	Styrene															ND	ND		ND
	Tetrachloroethene																8.72	5	16
	Toluene															ND		3	ND
trans-1,2-Dichloroethene															ND	ND		ND	
trans-1,3-Dichloropropene															ND	ND		ND	
trans-1,4-Dichloro-2-buten															ND	ND		ND	
Trichloroethene																0.73	ND	ND	
Trichlorofluoromethane															ND	ND		ND	
Vinyl Acetate															ND	ND		ND	
Vinyl Chloride															ND	ND		ND	
Xylene (Total)															NT		1.3	ND	

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Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	
MW10	1,1,1,2-Tetrachloroethane															ND	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	ND	ND	
	1,1-Dichloroethene															ND	ND	ND	
	1,2,3-Trichloropropane															ND	ND	ND	
	1,2-Dibromo-3-chloropropan															ND	ND	ND	
	1,2-Dibromoethane															ND	ND	ND	
	1,2-Dichlorobenzene															ND	ND	ND	
	1,2-Dichloroethane															ND	ND	ND	
	1,2-Dichloropropane															ND	ND	ND	
	1,4-Dichlorobenzene															ND	ND	ND	
	2-Butanone															ND	ND	ND	
	2-Hexanone															ND	ND	ND	
	4-Methyl-2-Pentanone															ND	ND	ND	
	Acetone															ND		24	ND
	Acrylonitrile															ND	ND	ND	
	Benzene															ND	ND	ND	
	Bromochloromethane															ND	ND	ND	
	Bromodichloromethane															ND	ND	ND	
	Bromoform															ND	ND	ND	
	Bromomethane															ND	ND	ND	
	Carbon disulfide															ND	ND	ND	
	Carbon Tetrachloride															ND	ND	ND	
	Chlorobenzene															ND	ND	ND	
	Chloroethane															ND	ND	ND	
	Chloroform															ND	ND	ND	
	Chloromethane															ND		5.2	ND
	cis-1,2-Dichloroethene															ND	ND	ND	
	cis-1,3-Dichloropropene															ND	ND	ND	
	Dibromochloromethane															ND	ND	ND	
	Dibromomethane															ND	ND	ND	
	Dichloromethane															ND	ND	ND	
	Ethylbenzene															ND	ND	ND	
	Methyl Iodide															ND	ND	ND	
	Methyl Tertiary Butyl Ether															ND	ND	ND	
	ortho-Xylene															ND	NT	NT	
	para-Xylene & meta-Xylene															ND	NT	NT	
	Styrene															ND	ND	ND	
	Tetrachloroethene															ND	ND	ND	
Toluene															ND	ND	ND		
trans-1,2-Dichloroethene															ND	ND	ND		
trans-1,3-Dichloropropene															ND	ND	ND		
trans-1,4-Dichloro-2-buten															ND	ND	ND		
Trichloroethene															ND	ND	ND		
Trichlorofluoromethane															ND	ND	ND		
Vinyl Acetate															ND	ND	ND		
Vinyl Chloride															ND	ND	ND		
Xylene (Total)															NT	ND	ND		

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Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
MW11A	1,1,1,2-Tetrachloroethane															ND	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	ND	ND
	1,1-Dichloroethene															ND	ND	ND
	1,2,3-Trichloropropane															ND	ND	ND
	1,2-Dibromo-3-chloropropan															ND	ND	ND
	1,2-Dibromoethane															ND	ND	ND
	1,2-Dichlorobenzene															ND	ND	ND
	1,2-Dichloroethane															ND	ND	ND
	1,2-Dichloropropane															ND	ND	ND
	1,4-Dichlorobenzene															ND	ND	ND
	2-Butanone															ND	ND	ND
	2-Hexanone															ND	ND	ND
	4-Methyl-2-Pentanone															ND	ND	ND
	Acetone															ND	ND	ND
	Acrylonitrile															ND	ND	ND
	Benzene															ND	ND	ND
	Bromochloromethane															ND	ND	ND
	Bromodichloromethane															ND	ND	ND
	Bromoform															ND	ND	ND
	Bromomethane															ND	ND	ND
	Carbon disulfide															ND	ND	ND
	Carbon Tetrachloride															ND	ND	ND
	Chlorobenzene															ND	ND	ND
	Chloroethane															ND	ND	ND
	Chloroform															ND	ND	ND
	Chloromethane															ND	ND	ND
	cis-1,2-Dichloroethene															ND	ND	ND
	cis-1,3-Dichloropropene															ND	ND	ND
	Dibromochloromethane															ND	ND	ND
	Dibromomethane															ND	ND	ND
	Dichloromethane															ND	ND	ND
	Ethylbenzene															ND	ND	ND
	Methyl Iodide															ND	ND	ND
	Methyl Tertiary Butyl Ether															ND	ND	ND
	ortho-Xylene															ND	NT	NT
	para-Xylene & meta-Xylene															ND	NT	NT
	Styrene															ND	ND	ND
	Tetrachloroethene															ND	ND	ND
Toluene															ND	ND	ND	
trans-1,2-Dichloroethene															ND	ND	ND	
trans-1,3-Dichloropropene															ND	ND	ND	
trans-1,4-Dichloro-2-buten															ND	ND	ND	
Trichloroethene															ND	ND	ND	
Trichlorofluoromethane															ND	ND	ND	
Vinyl Acetate															ND	ND	ND	
Vinyl Chloride															ND	ND	ND	
Xylene (Total)															NT	ND	ND	

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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
MW11B	1,1,1,2-Tetrachloroethane															ND	ND	ND
	1,1,1-Trichloroethane															ND	ND	ND
	1,1,2-Tetrachloroethane															ND	ND	ND
	1,1,2-Trichloroethane															ND	ND	ND
	1,1-Dichloroethane															ND	ND	ND
	1,1-Dichloroethene															ND	ND	ND
	1,2,3-Trichloropropane															ND	ND	ND
	1,2-Dibromo-3-chloropropan															ND	ND	ND
	1,2-Dibromoethane															ND	ND	ND
	1,2-Dichlorobenzene															ND	ND	ND
	1,2-Dichloroethane															ND	ND	ND
	1,2-Dichloropropane															ND	ND	ND
	1,4-Dichlorobenzene															ND	ND	ND
	2-Butanone															ND	ND	ND
	2-Hexanone															ND	ND	ND
	4-Methyl-2-Pentanone															ND	ND	ND
	Acetone															ND	ND	ND
	Acrylonitrile															ND	ND	ND
	Benzene															ND	ND	ND
	Bromochloromethane															ND	ND	ND
	Bromodichloromethane															ND	ND	ND
	Bromoform															ND	ND	ND
	Bromomethane															ND	ND	ND
	Carbon disulfide															ND	ND	ND
	Carbon Tetrachloride															ND	ND	ND
	Chlorobenzene															ND	ND	ND
	Chloroethane															ND	ND	ND
	Chloroform															ND	ND	ND
	Chloromethane															ND	ND	ND
	cis-1,2-Dichloroethene															ND	ND	ND
	cis-1,3-Dichloropropene															ND	ND	ND
	Dibromochloromethane															ND	ND	ND
	Dibromomethane															ND	ND	ND
	Dichloromethane															ND	ND	ND
	Ethylbenzene															ND	ND	ND
	Methyl Iodide															ND	ND	ND
	Methyl Tertiary Butyl Ether															ND	ND	ND
	ortho-Xylene															ND	NT	NT
	para-Xylene & meta-Xylene															ND	NT	NT
	Styrene															ND	ND	ND
	Tetrachloroethene																0.97	ND
Toluene															ND	ND	ND	
trans-1,2-Dichloroethene															ND	ND	ND	
trans-1,3-Dichloropropene															ND	ND	ND	
trans-1,4-Dichloro-2-buten															ND	ND	ND	
Trichloroethene															ND	ND	ND	
Trichlorofluoromethane															ND	ND	ND	
Vinyl Acetate															ND	ND	ND	
Vinyl Chloride															ND	ND	ND	
Xylene (Total)															NT	ND	ND	

**NEW MONITORING WELL
Sampling started in Fall 2010**

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
MW12	1,1,1,2-Tetrachloroethane															ND	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	ND	ND
	1,1-Dichloroethene															ND	ND	ND
	1,2,3-Trichloropropane															ND	ND	ND
	1,2-Dibromo-3-chloropropan															ND	ND	ND
	1,2-Dibromoethane															ND	ND	ND
	1,2-Dichlorobenzene															ND	ND	ND
	1,2-Dichloroethane															ND	ND	ND
	1,2-Dichloropropane															ND	ND	ND
	1,4-Dichlorobenzene															ND	ND	ND
	2-Butanone															ND	ND	ND
	2-Hexanone															ND	ND	ND
	4-Methyl-2-Pentanone															ND	ND	ND
	Acetone															ND	ND	ND
	Acrylonitrile															ND	ND	ND
	Benzene															ND	ND	ND
	Bromochloromethane															ND	ND	ND
	Bromodichloromethane															ND	ND	ND
	Bromoform															ND	ND	ND
	Bromomethane															ND	ND	ND
	Carbon disulfide															ND	ND	ND
	Carbon Tetrachloride															ND	ND	ND
	Chlorobenzene															ND	ND	ND
	Chloroethane															ND	ND	ND
	Chloroform															ND	ND	ND
	Chloromethane															ND	4.1	ND
	cis-1,2-Dichloroethene															ND	ND	ND
	cis-1,3-Dichloropropene															ND	ND	ND
	Dibromochloromethane															ND	ND	ND
	Dibromomethane															ND	ND	ND
	Dichloromethane															ND	ND	ND
	Ethylbenzene															ND	ND	ND
	Methyl Iodide															ND	ND	ND
	Methyl Tertiary Butyl Ether															ND	ND	ND
	ortho-Xylene															ND	NT	NT
	para-Xylene & meta-Xylene															ND	NT	NT
	Styrene															ND	ND	ND
	Tetrachloroethene															ND	ND	ND
Toluene															ND	ND	ND	
trans-1,2-Dichloroethene															ND	ND	ND	
trans-1,3-Dichloropropene															ND	ND	ND	
trans-1,4-Dichloro-2-buten															ND	ND	ND	
Trichloroethene															ND	ND	ND	
Trichlorofluoromethane															ND	ND	ND	
Vinyl Acetate															ND	ND	ND	
Vinyl Chloride															ND	ND	ND	
Xylene (Total)															NT	ND	ND	

NEW MONITORING WELL
Sampling Started in Fall 2010

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
MW13A	1,1,1,2-Tetrachloroethane															ND	ND	ND
	1,1,1-Trichloroethane															ND	ND	ND
	1,1,2-Tetrachloroethane															ND	ND	ND
	1,1,2-Trichloroethane															ND	ND	ND
	1,1-Dichloroethane															17.90	25	ND
	1,1-Dichloroethene															ND	ND	ND
	1,2,3-Trichloropropane															ND	ND	ND
	1,2-Dibromo-3-chloropropan															ND	ND	ND
	1,2-Dibromoethane															ND	ND	ND
	1,2-Dichlorobenzene															ND	ND	ND
	1,2-Dichloroethane															1.86	ND	ND
	1,2-Dichloropropane															4.80	6.6	4.4
	1,4-Dichlorobenzene															3.54	ND	ND
	2-Butanone															ND	ND	ND
	2-Hexanone															ND	ND	ND
	4-Methyl-2-Pentanone															ND	ND	ND
	Acetone															0.72	ND	ND
	Acrylonitrile															ND	ND	ND
	Benzene															3.31	4.4	3.7
	Bromochloromethane															ND	ND	ND
	Bromodichloromethane															ND	ND	ND
	Bromoform															ND	ND	ND
	Bromomethane															ND	ND	ND
	Carbon disulfide															ND	ND	ND
	Carbon Tetrachloride															ND	ND	ND
	Chlorobenzene															1.01	ND	ND
	Chloroethane															0.97	ND	ND
	Chloroform															ND	ND	ND
	Chloromethane															0.96	6.4	3.7
	cis-1,2-Dichloroethene															76.70	96	ND
	cis-1,3-Dichloropropene															ND	ND	ND
	Dibromochloromethane															ND	ND	ND
	Dibromomethane															ND	ND	ND
	Dichloromethane															8.07	10	9.2
	Ethylbenzene															ND	ND	ND
	Methyl Iodide															ND	ND	ND
	Methyl Tertiary Butyl Ether															0.61	3.1	ND
	ortho-Xylene															ND	NT	NT
	para-Xylene & meta-Xylene															ND	NT	NT
	Styrene															ND	ND	ND
Tetrachloroethene															22.20	17	25	
Toluene															ND	ND	ND	
trans-1,2-Dichloroethene															3.26	7.3	6.2	
trans-1,3-Dichloropropene															ND	ND	ND	
trans-1,4-Dichloro-2-buten															ND	ND	ND	
Trichloroethene															26.90	23	28	
Trichlorofluoromethane															1.50	3.8	4.6	
Vinyl Acetate															ND	ND	ND	
Vinyl Chloride															11.10	14	18	
Xylene (Total)															NT	ND	ND	

NEW MONITORING WELL
Sampling Started in Fall 2010

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall
 Note: MCL exceedances are indicated in Red

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F
MW13B	1,1,1,2-Tetrachloroethane															ND	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															17.80	ND	ND
	1,1-Dichloroethene															ND	ND	ND
	1,2,3-Trichloropropane															ND	ND	ND
	1,2-Dibromo-3-chloropropan															ND	ND	ND
	1,2-Dibromoethane															ND	ND	ND
	1,2-Dichlorobenzene															0.54	ND	ND
	1,2-Dichloroethane															3.11	ND	4.6
	1,2-Dichloropropane															6.54	ND	7.4
	1,4-Dichlorobenzene															8.86	ND	ND
	2-Butanone															ND	ND	ND
	2-Hexanone															ND	ND	ND
	4-Methyl-2-Pentanone															ND	ND	ND
	Acetone															0.87	35	ND
	Acrylonitrile															ND	ND	ND
	Benzene															5.56	ND	6.3
	Bromochloromethane															ND	ND	ND
	Bromodichloromethane															ND	ND	ND
	Bromoform															ND	ND	ND
	Bromomethane															ND	ND	ND
	Carbon disulfide															ND	ND	ND
	Carbon Tetrachloride															ND	ND	ND
	Chlorobenzene															1.63	ND	ND
	Chloroethane															1.14	ND	ND
	Chloroform															ND	ND	ND
	Chloromethane															0.76	4.6	ND
	cis-1,2-Dichloroethene															101.00	3.9	ND
	cis-1,3-Dichloropropene															ND	ND	ND
	Dibromochloromethane															ND	ND	ND
	Dibromomethane															ND	ND	ND
	Dichloromethane															8.50	ND	11
	Ethylbenzene															ND	ND	ND
	Methyl Iodide															ND	ND	ND
	Methyl Tertiary Butyl Ether															0.96	ND	ND
	ortho-Xylene															ND	NT	NT
	para-Xylene & meta-Xylene															ND	NT	NT
	Styrene															ND	ND	ND
Tetrachloroethene															22.70	ND	27	
Toluene															ND	ND	ND	
trans-1,2-Dichloroethene															4.45	ND	7.3	
trans-1,3-Dichloropropene															ND	ND	ND	
trans-1,4-Dichloro-2-buten															ND	ND	ND	
Trichloroethene															32.00	ND	28	
Trichlorofluoromethane															1.71	ND	4.7	
Vinyl Acetate															ND	ND	ND	
Vinyl Chloride															17.20	ND	25	
Xylene (Total)															NT	ND	ND	

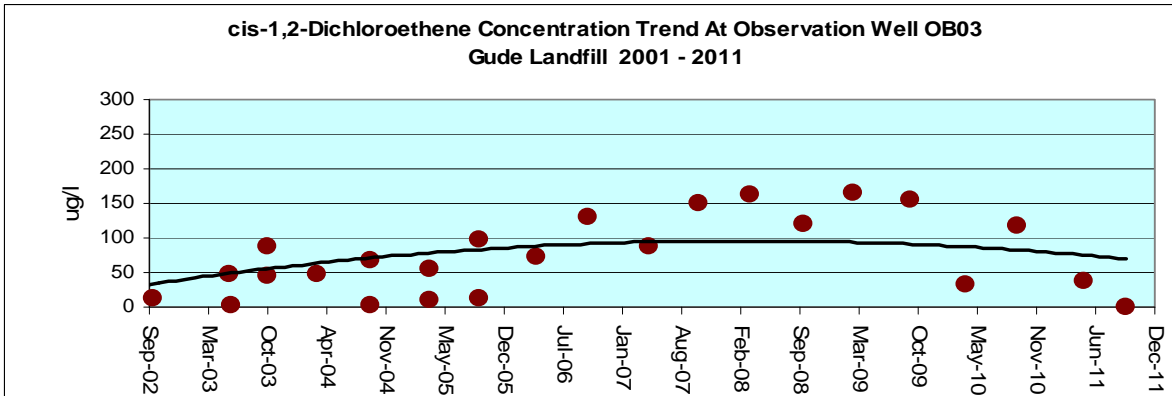
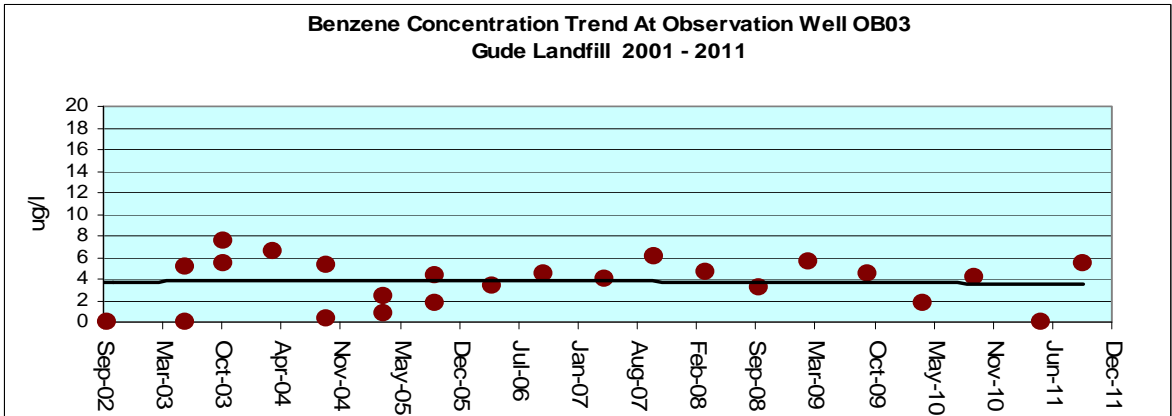
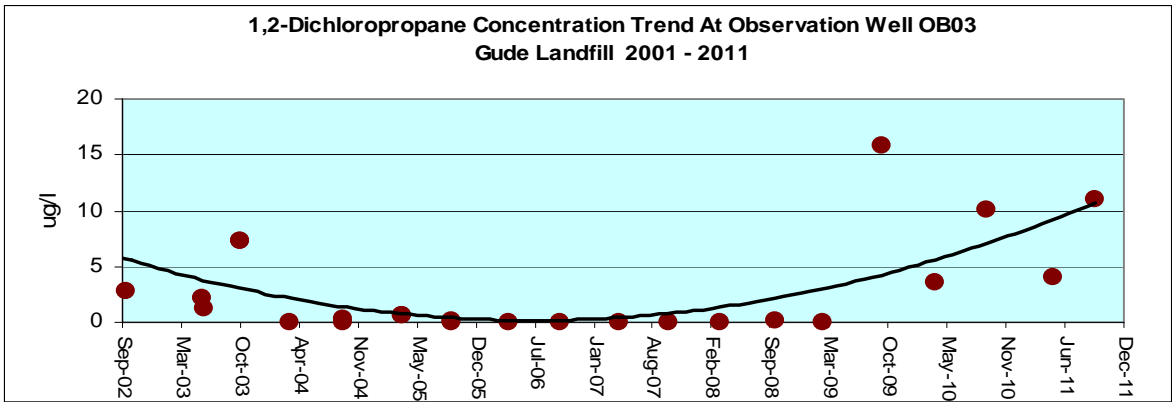
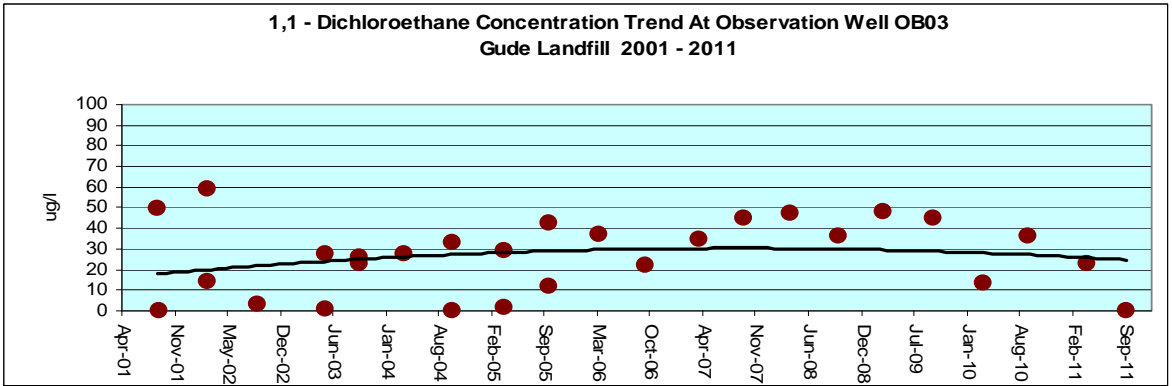
NEW MONITORING WELL
Sampling Started in Fall 2010

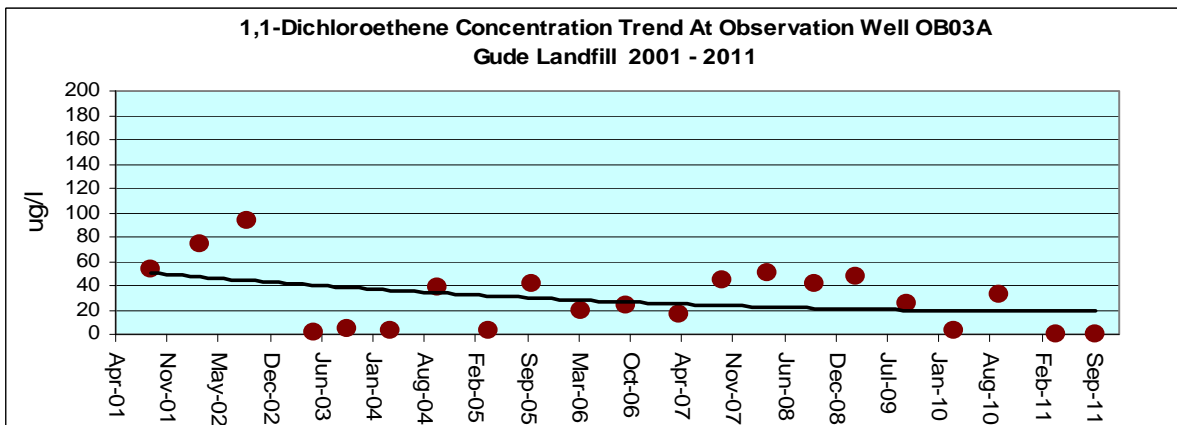
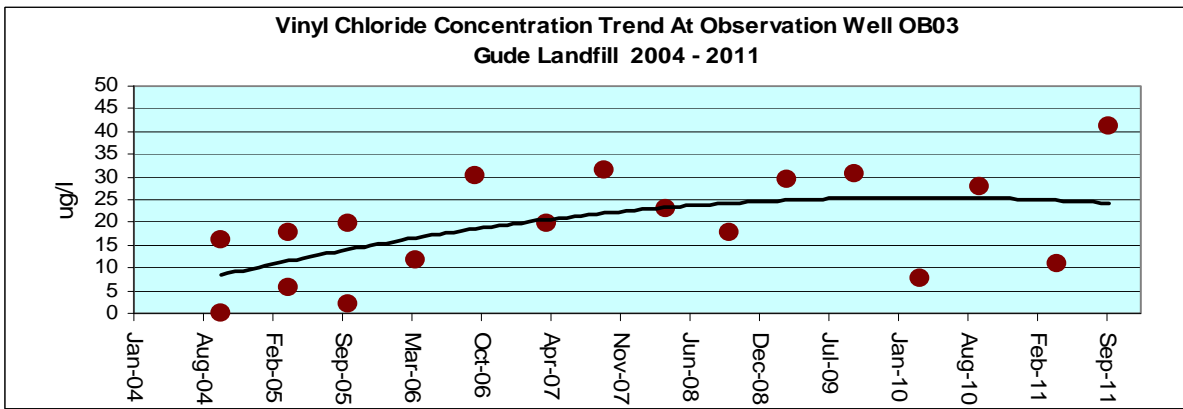
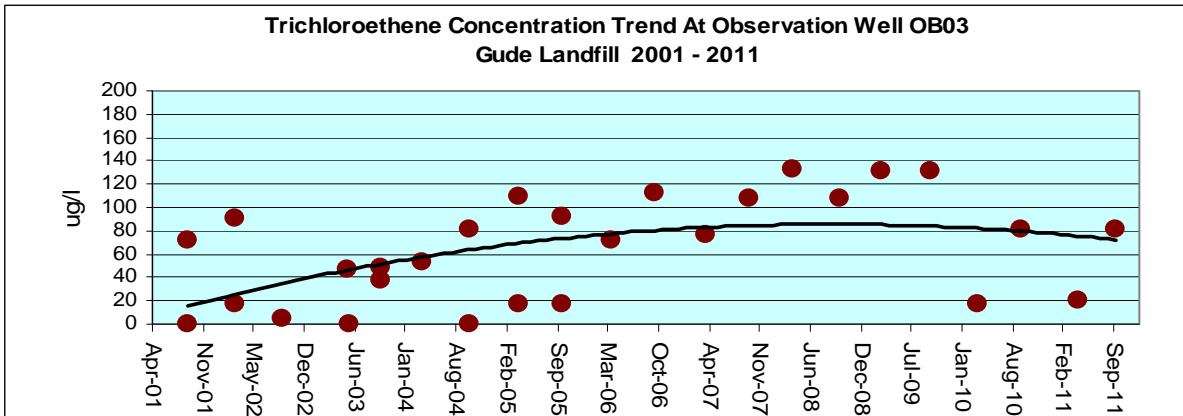
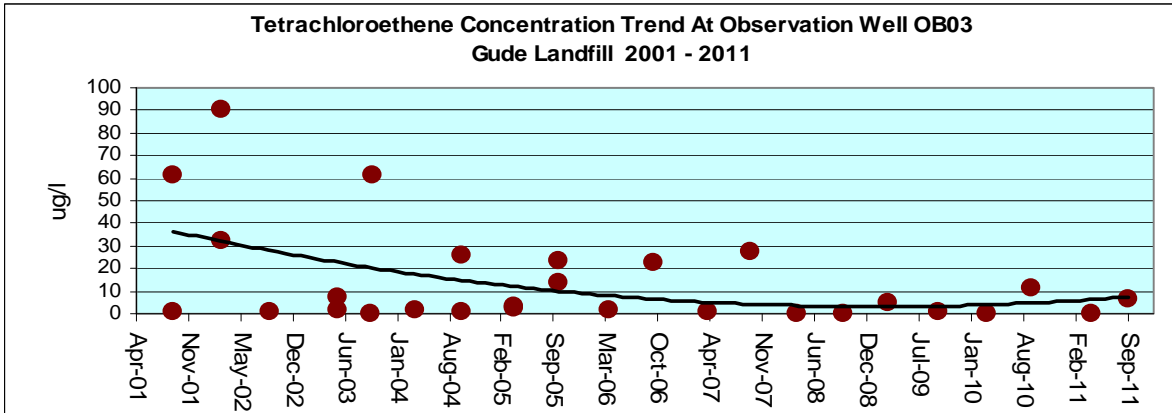
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Note: MCL exceedances are indicated in Red

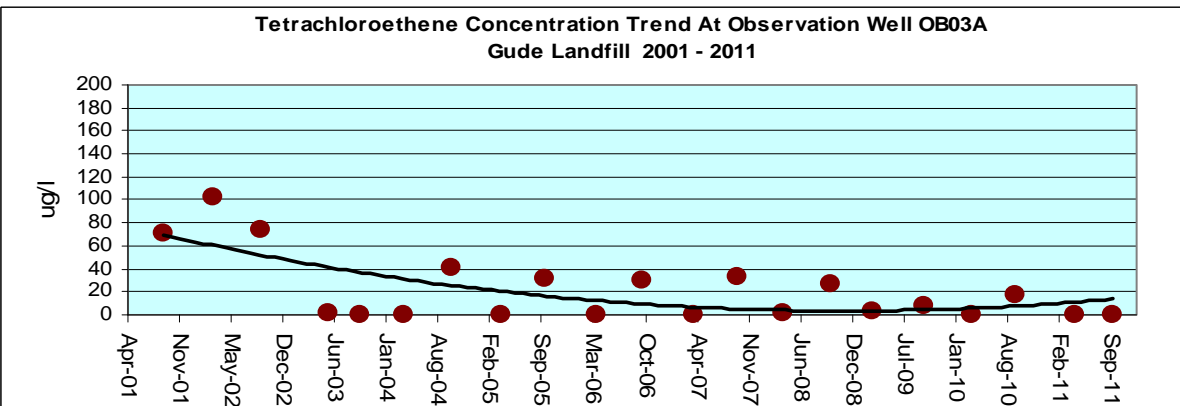
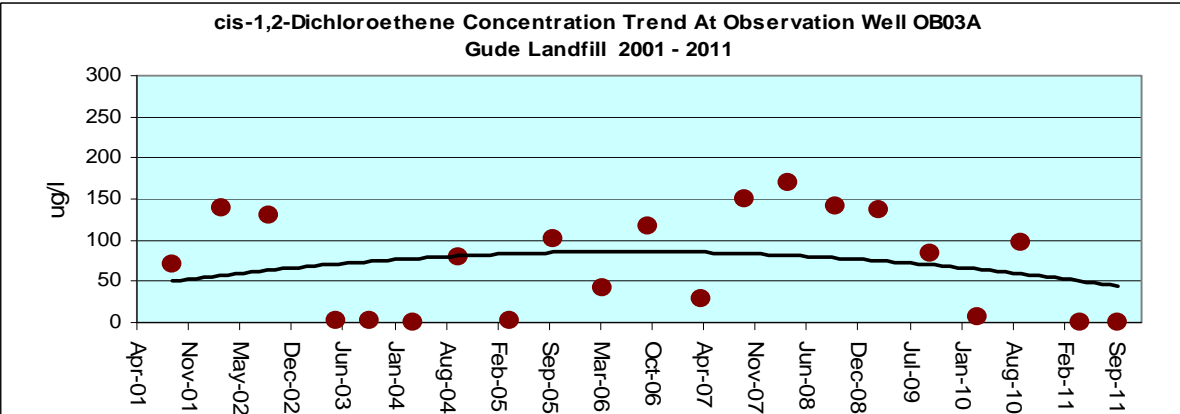
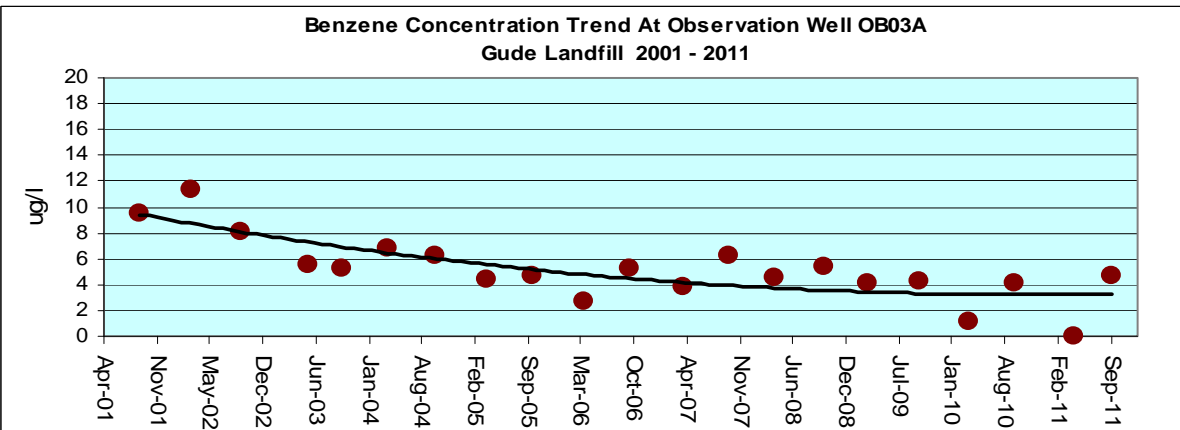
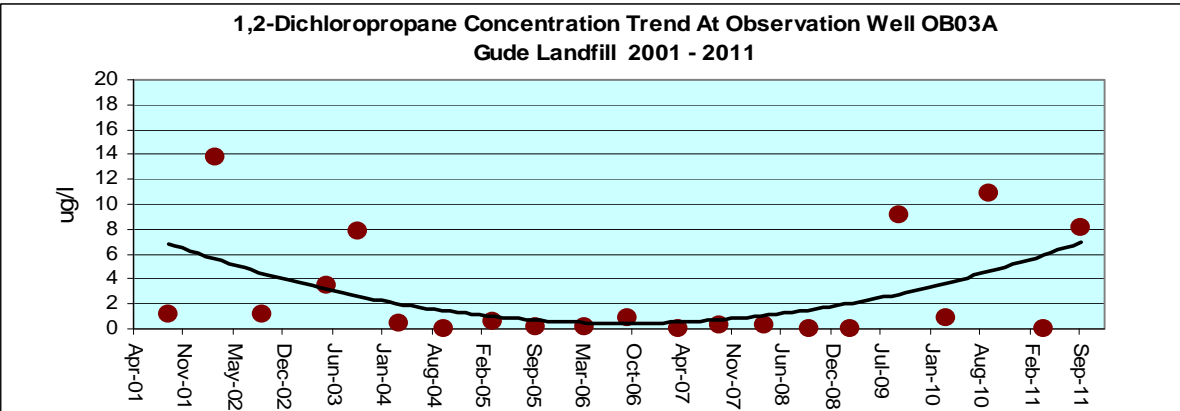
Appendix C

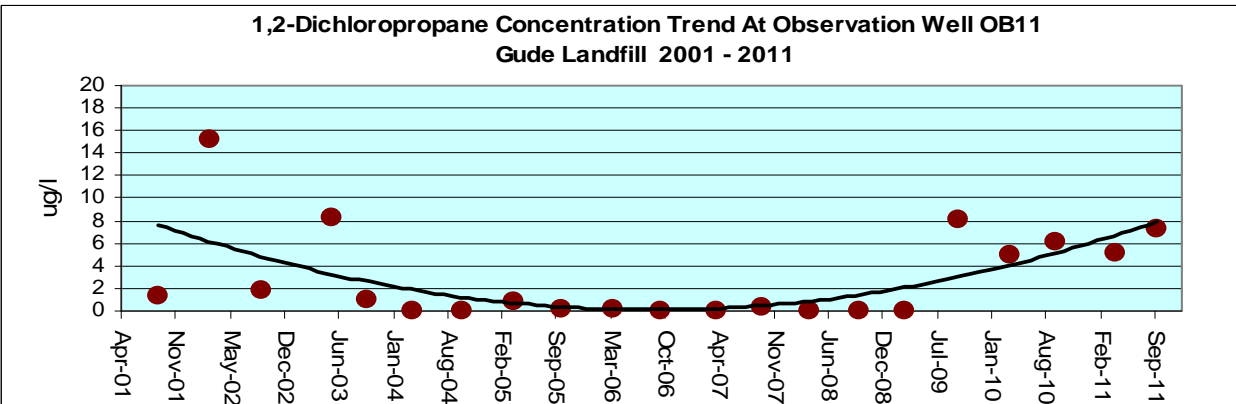
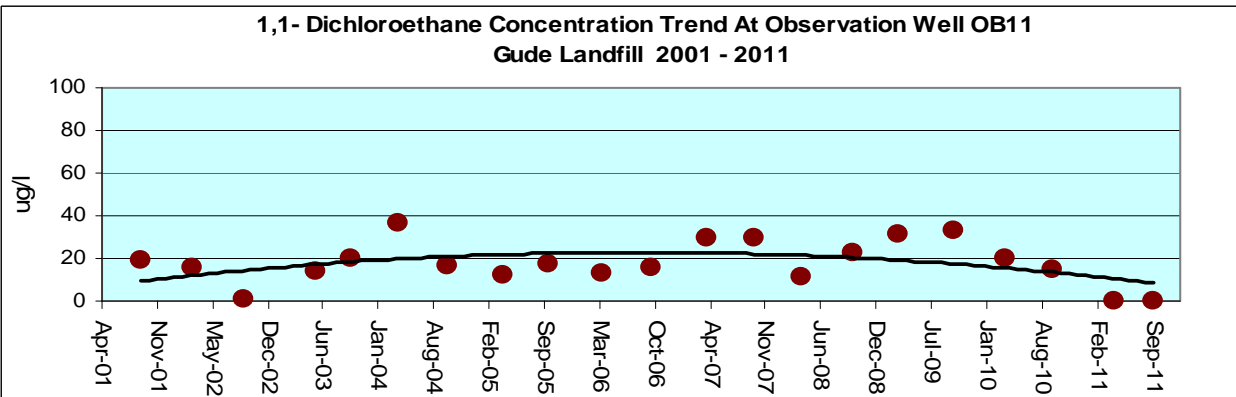
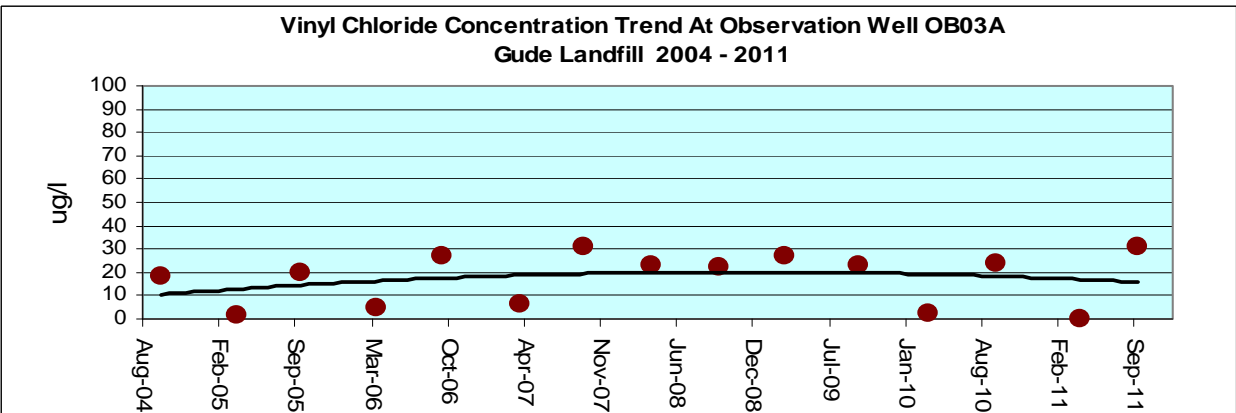
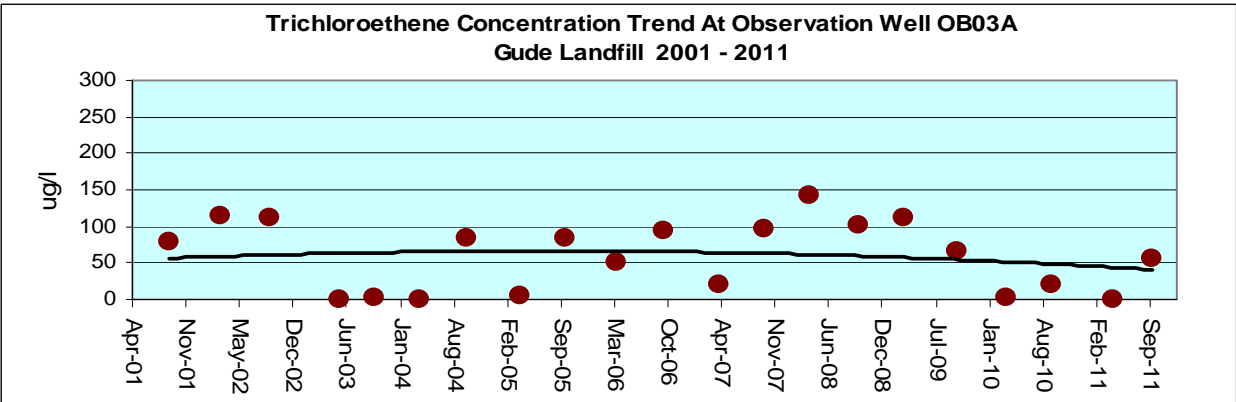
Volatile Organic Compounds

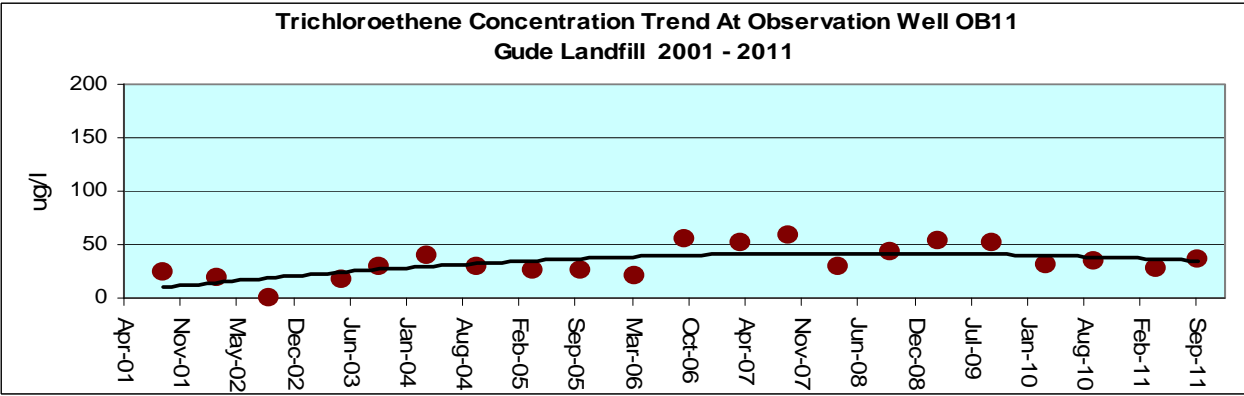
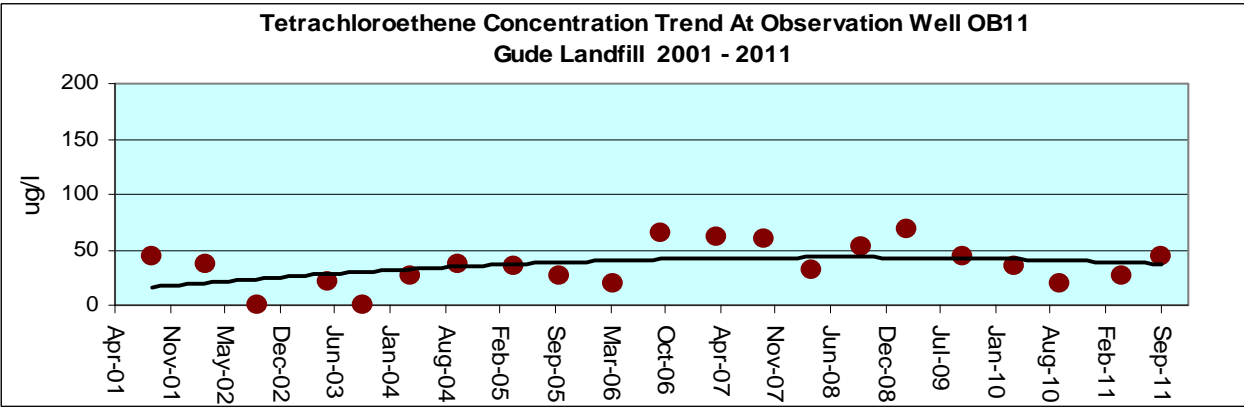
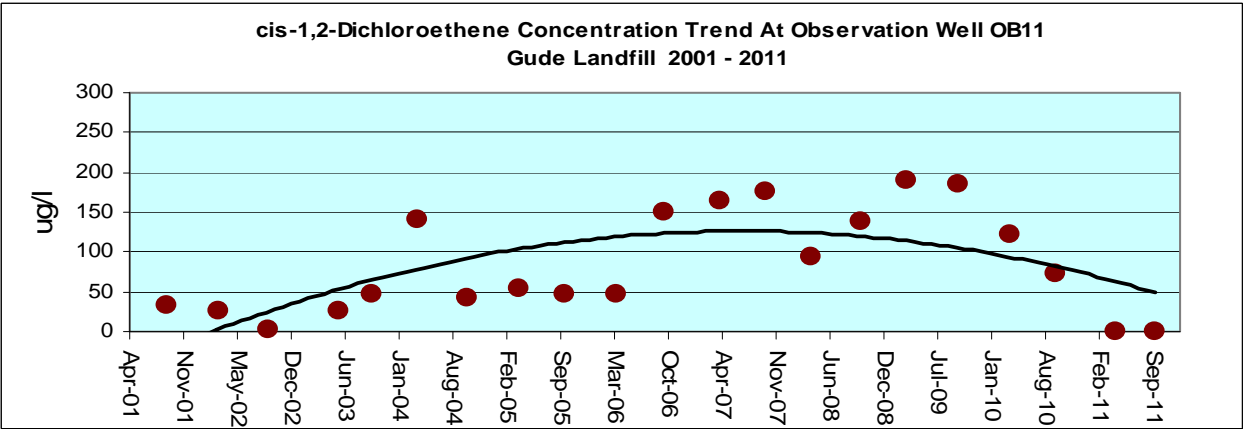
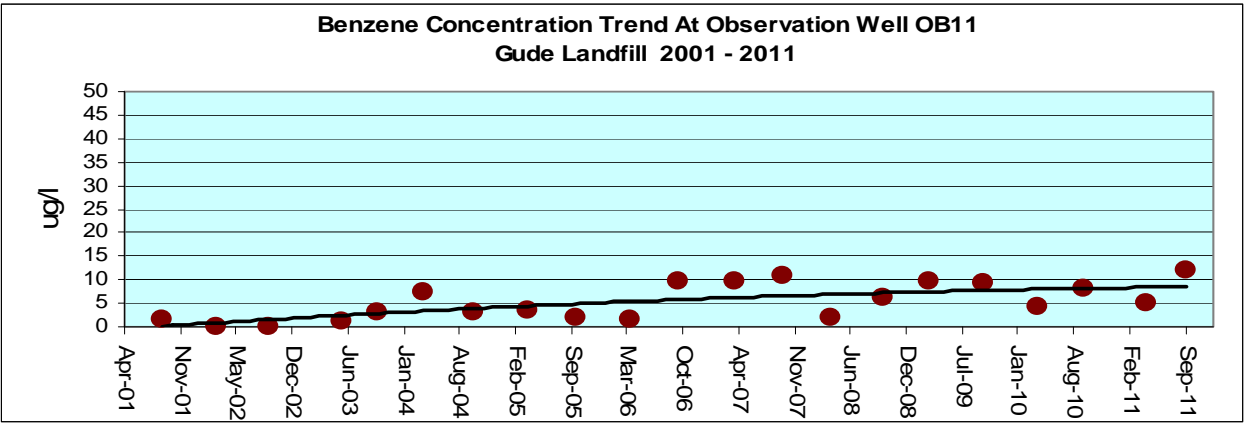
Trend Analysis

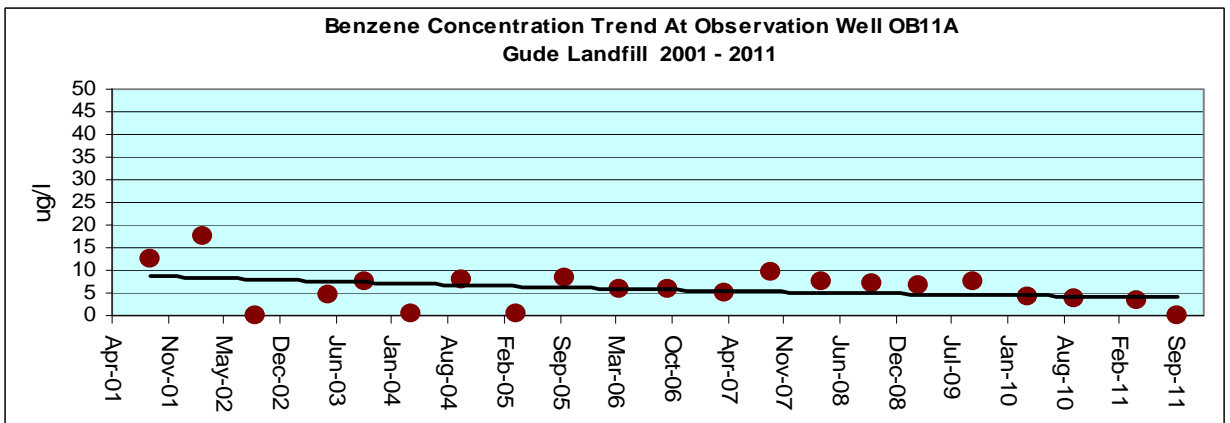
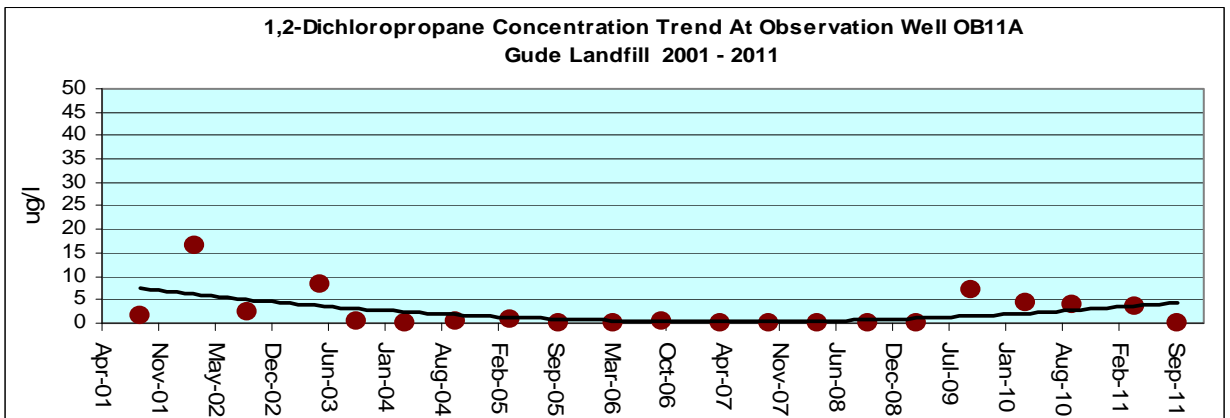
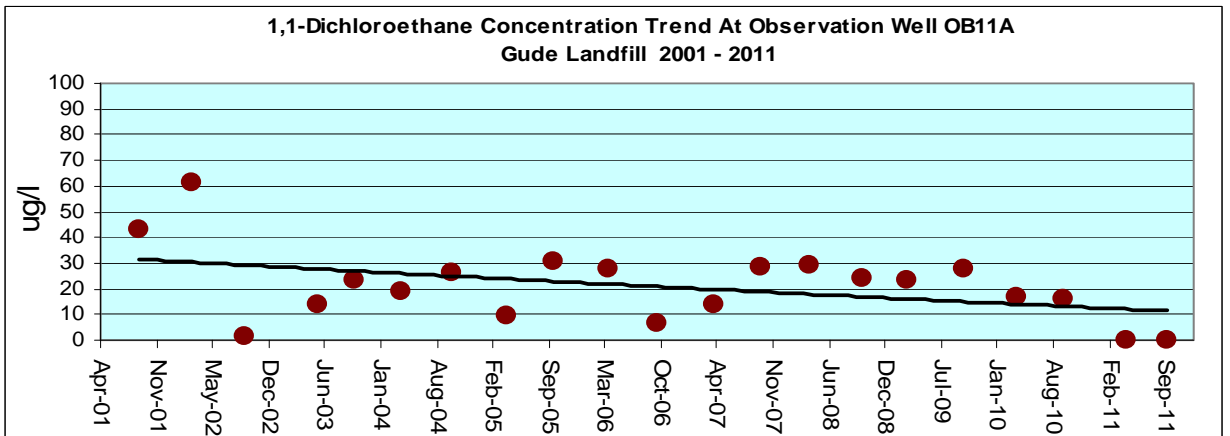
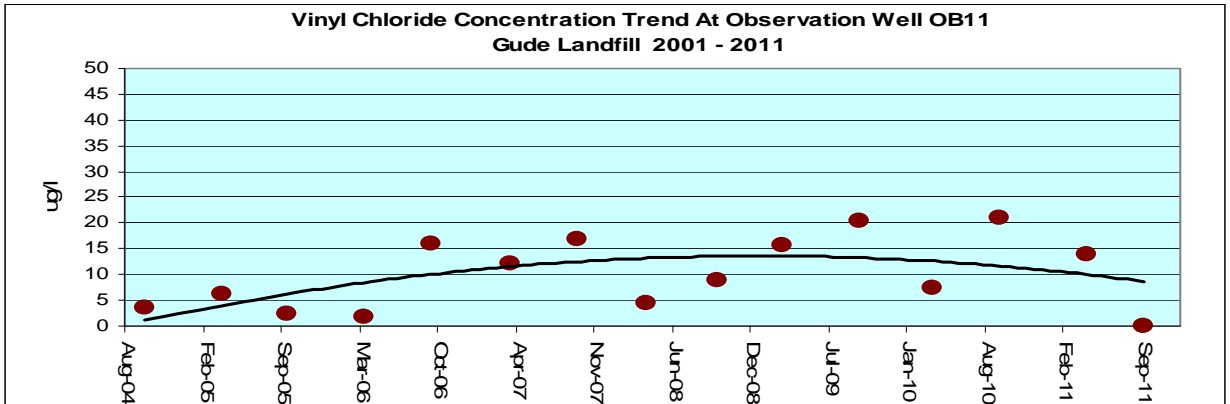


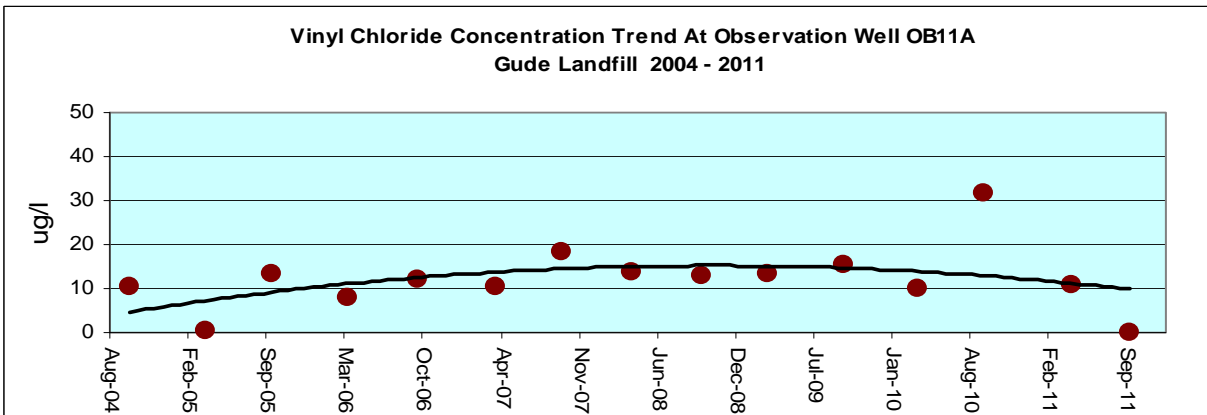
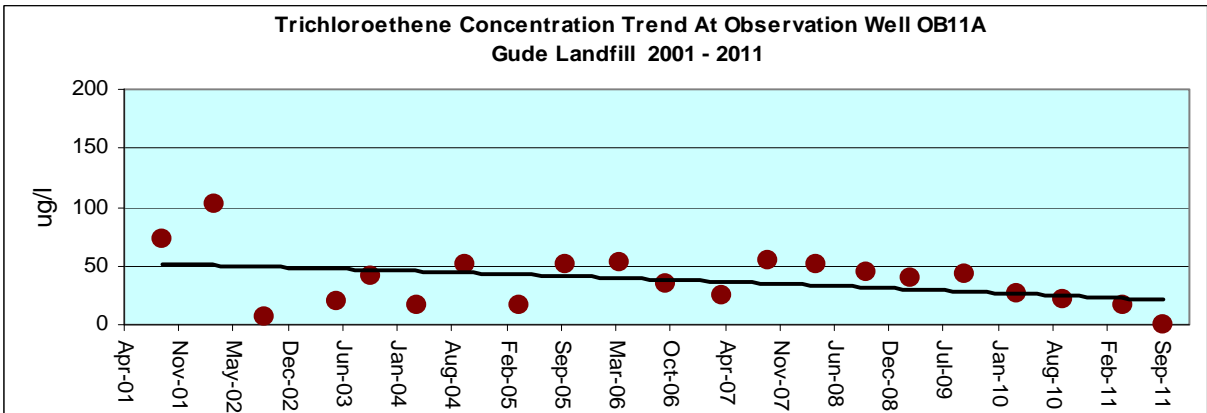
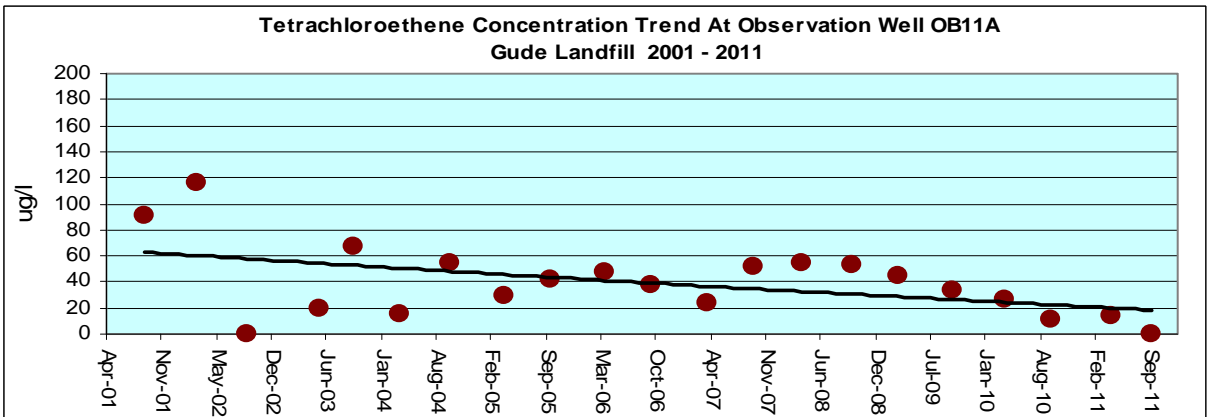
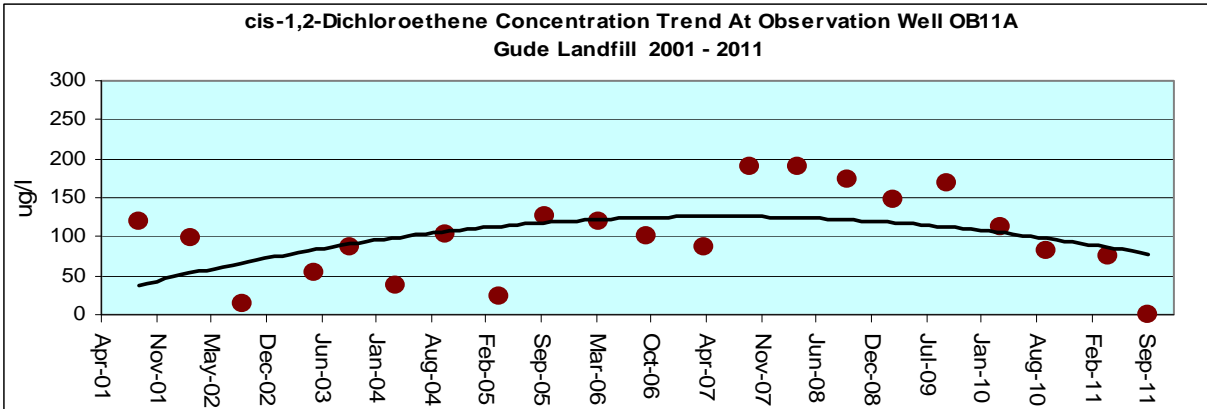


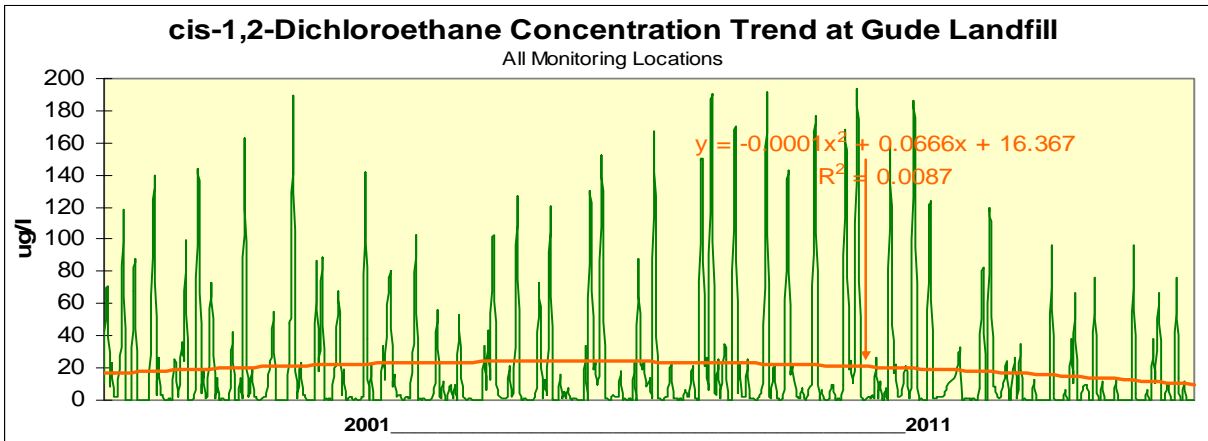
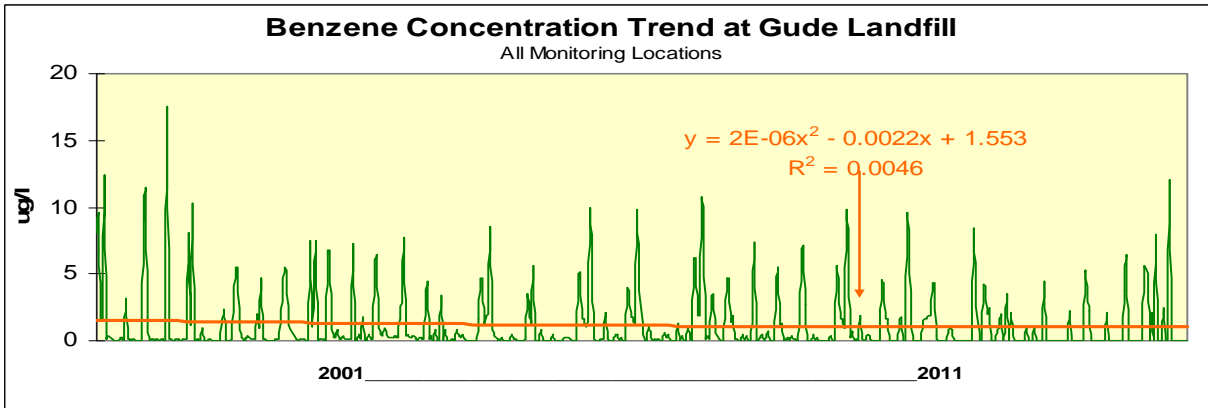
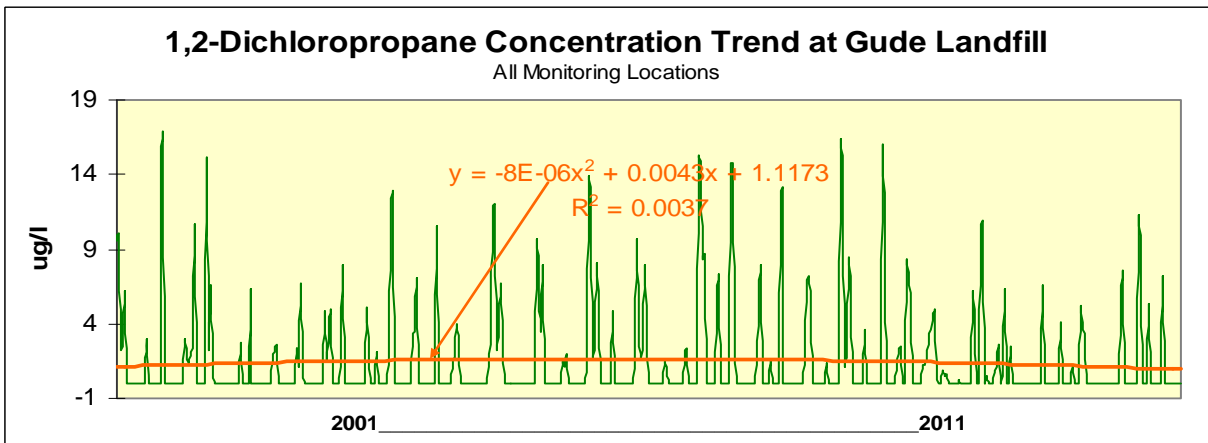
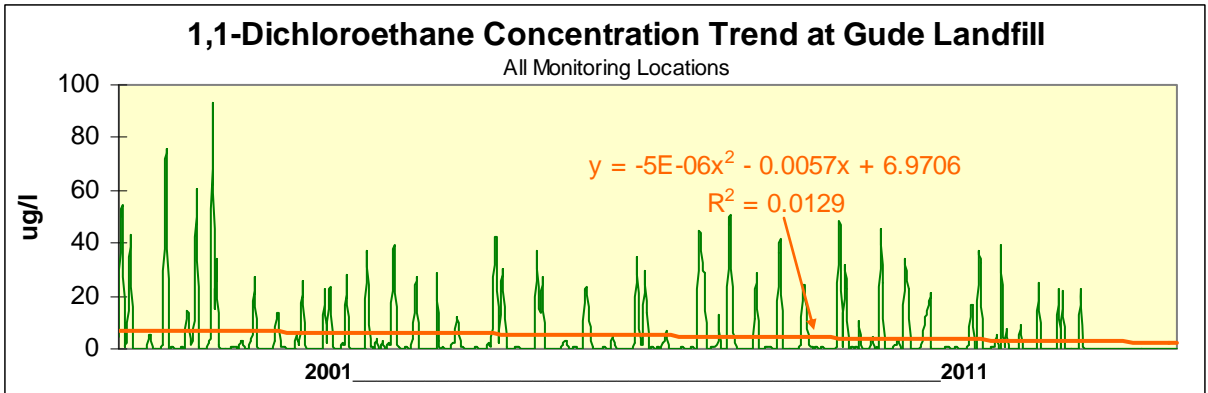












Appendix D

Tables of Metals

Results in (mg/l)

Table 3 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	OB15	OB25	ST015	
Gude Landfill - FALL 2011 Results	Alkalinity	112	72	36	216	226	242	127	156	169	115	230	218	122	1000	494	215	285	106	228	267	31	
	Ammonia	ND	ND	ND	2.56	5.09	0.673	0.316	ND	ND	ND	ND	ND	ND	11.1	4.4	ND	1.59	ND	0.307	1.91	ND	
	Antimony	ND	ND	ND	ND	ND	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	0.0058	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.191	0.0771	0.397	0.58	0.529	0.255	0.0555	0.195	0.0257	0.0432	0.128	0.0689	0.0534	0.344	0.157	0.0292	0.166	0.0173	0.0919	0.163	0.0197	
	Beryllium	ND	ND	ND	ND	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	ND	0.0101	ND	ND	ND	ND	ND	ND
	Calcium	73.8	28.2	96.3	65.3	68.5	157	118	137.5	112.5	90	67.1	54.4	45.8	119.7	170	132.3	93.5	33	21.6	65.1	10.3	
	Chloride	291	51.1	350	163	193	416	460	350	194	246	46.1	63.3	94.1	564	309	371	297	62.7	10	86.6	5.32	
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0184	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.0289	ND	ND	0.0554	0.0563	ND	ND	ND	ND	ND	0.008	0.0173	ND	0.0724	0.0345	ND	0.025	ND	0.0062	0.0285	ND	
	COD	ND	ND	ND	16.8	22.5	29.2	27.5	32.9	5.2	10	ND	ND	ND	237	83.4	22.4	21.6	ND	27.3	19.6	14.1	
	Copper	0.0065	ND	ND	ND	ND	0.0314	0.0236	0.0068	ND	ND	ND	ND	ND	0.0449	0.0237	0.0064	0.0057	ND	0.0094	0.0168	ND	
	Iron	0.515	0.768	0.58	22.19	29.71	0.92	0.712	1.05	0.659	0.538	0.797	3.05	1.12	0.798	19.96	0.738	1.01	ND	39.4	5.73	ND	
	Lead	0.0054	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015	ND	ND	ND	ND	0.0137	ND	
	Magnesium	46.3	12.1	59.1	41.1	48.7	89.1	85.5	55.9	34.8	52.5	16.8	22	27.8	98.4	132	66.6	68.6	20.6	21.6	44.2	2.23	
	Manganese	7.98	0.876	0.0465	19	14.2	2.03	1.1	0.487	0.0369	0.0716	7.228	7.484	3.03	20.9	2.66	0.768	5.83	0.108	3.27	10.52	0.0434	
	Mercury	ND	ND	ND	ND	ND	ND	ND	0.0009	0.0003	0.0006	ND	ND	ND	ND	0.001	0.001	ND	ND	ND	ND	ND	
	Nickel	0.0381	ND	0.0114	0.0164	0.0158	0.0115	0.017	0.0112	ND	ND	0.0085	0.0075	0.0068	0.0909	0.053	0.0333	0.0222	0.0065	0.006	0.0128	ND	
	Nitrate	1.34	ND	0.576	ND	ND	ND	ND	0.786	0.819	0.891	ND	ND	ND	ND	ND	ND	ND	1.14	ND	ND	ND	
	Nitrate+Nitrite	1.35	ND	0.586	ND	ND	ND	ND	0.987	0.869	0.941	ND	ND	ND	ND	ND	ND	ND	1.15	ND	0.224	ND	
	Nitrite	ND	ND	ND	ND	ND	ND	ND	0.201	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	pH	5.51	6.71	5.09	5.97	6.03	5.88	5.43	5.51	6.34	5.6	5.85	5.96	5.8	6.42	6.18	5.35	5.49	5.46	6.15	8.7	7.34	
	Potassium	3.78	3.99	5.78	7	9.64	7.18	4.99	4.72	3.42	2.44	2.86	2.8	3	40.4	15	4.7	6.83	2.69	2.46	14.3	2.15	
	Selenium	ND	ND	ND	ND	ND	0.0144	0.0161	0.0122	0.0066	0.0094	ND	ND	ND	0.0224	0.0098	0.0057	ND	ND	ND	ND	ND	
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Sodium	66.3	11	34.9	44.2	70.5	74.3	91.1	81	20.8	26.3	27.4	31.8	19.6	550	183.57	68.5	99.8	22.8	59.1	54.3	4.33	
Spec. Cond.	980.9	318.1	1263	814.1	975.1	1503	1438	1289	806.2	860.9	476.3	502.5	446.8	3010	1963	1302	1227	421.1	535.4	NT	82.1		
Sulfate	28.8	5.87	21.5	22	31.5	22.3	11	93.7	21	28	ND	ND	ND	74.4	314	10.2	15	5.57	49.2	39.7	4.42		
TDS	1116	1264	68	804	888	1736	1636	960	984	872	344	1240	492	2244	1872	1036	304	296	528	252	1276		
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total Hardness	390	125	463	410	375	705	602	552	409	424	144	190	226	701	866	581	598	153	156	292	29		
Turbidity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0331	ND	ND	ND	ND	0.0077	ND		
Zinc	0.0128	0.0064	0.0078	0.0141	0.0089	0.0074	0.0204	0.0213	0.0058	ND	0.0066	0.0068	0.007	0.0127	0.15	0.042	0.021	0.0063	0.0668	0.0256	0.0103		

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

Table 3 Metals and Other Water Quality Parameters

Monitoring Location	Parameter	ST120	ST65	ST70	ST80	MW1B	MW2A	MW2B	MW3A	MW3B	MW04	MW06	MW07	MW08	MW09	MW10	MW11A	MW11B	MW12	MW13A	MW13B	
Gude Landfill - FALL 2011 Results	Alkalinity	49	203	81	42	49	35	33	21	80	52	214	69	209	44	78	40	65	22	34	226	
	Ammonia	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0357	0.079	0.0488	0.0315	0.0089	0.0206	0.0123	0.111	0.175	0.0409	0.319	0.0636	0.109	0.172	0.414	0.148	0.0188	0.615	0.273	0.0706	
	Beryllium	ND	ND	ND	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	0.0066	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	33.4	34.2	27.4	11.9	6.92	8.86	7.2	11.1	57.4	34.5	70.3	55.2	76.2	12.4	21.2	15.1	14.9	65.6	24.5	83.4	
	Chloride	50.1	154	50.6	29.4	ND	2.69	ND	2.89	2.57	120	226	117	210	12.3	8.02	4.52	4.38	286	85.1	85.5	
	Chromium	ND	ND	ND	ND	0.005	ND	ND	0.0075	0.0129	ND	ND	ND	ND	ND	0.0057	0.0096	ND	ND	ND	ND	
	Cobalt	ND	ND	ND	ND	ND	ND	ND	0.0188	0.0064	ND	0.216	ND	ND	ND	0.0103	0.0103	ND	ND	0.0114	ND	
	COD	11.9	39.2	15.3	12.5	ND	ND	ND	ND	7.6	ND	ND	15.1	6.2	ND	ND	ND	ND	ND	ND	ND	3.4
	Copper	0.0062	0.0077	0.0071	0.005	0.008	0.0069	ND	0.0273	0.0184	ND	0.0106	0.0084	0.0067	ND	0.0292	0.0135	ND	0.0063	0.0137	ND	
	Iron	0.75	0.613	0.555	0.52	1.56	0.68	ND	6.67	3.89	1.06	0.897	ND	0.69	ND	5.7	7.54	ND	1.22	2.96	ND	
	Lead	0.0053	ND	ND	ND	0.0055	ND	ND	0.023	0.011	ND	0.011	ND	ND	0.0124	0.0153	0.0122	ND	0.0106	0.0069	ND	
	Magnesium	12.6	23.7	8.98	5.47	4.34	3.25	2.85	7.04	5.36	22.9	53.5	31.5	50.2	6.9	10.7	8.63	6.3	29.1	19.7	31.2	
	Manganese	0.051	0.25	0.0928	0.0565	0.0441	0.204	0.044	0.629	0.276	0.104	37.63	0.562	0.0902	0.196	0.38	0.319	0.0107	0.103	0.376	0.0324	
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0004	ND	ND	ND	ND	0.0006	ND	
	Nickel	0.0074	0.0103	0.0091	ND	0.0054	0.0055	ND	0.0098	0.0103	0.0055	0.032	0.0051	0.0071	ND	0.013	0.0171	ND	0.008	0.0097	ND	
	Nitrate	0.581	ND	0.774	0.423	ND	ND	ND	ND	ND	0.406	ND	18.45	5.65	1.14	ND	1.94	2.19	4.87	2.17	1.6	
	Nitrate+Nitrite	0.631	ND	0.824	0.473	ND	ND	ND	ND	ND	0.416	ND	18.5	5.66	1.15	ND	1.99	2.2	4.88	2.22	1.61	
	Nitrite	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	pH	6.98	7.07	7.05	7	5.73	5.14	5	5.55	10.2	5.7	5.58	5.55	6.65	5.25	5.35	5.14	6.13	4.66	4.79	5.85	
	Potassium	3.08	14.9	4.52	3.82	1.47	1.8	1.39	2.86	9.11	2.76	3.71	3.36	14	1.54	2.12	1.3	0.93	4.12	2.72	3.53	
	Selenium	ND	0.0082	ND	ND	ND	ND	ND	ND	ND	ND	0.0098	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	ND	ND	ND	ND	ND	
	Sodium	34.5	115	20.4	12.1	6.78	6.09	4.88	4.19	41	29.4	61.2	31.7	124	3.91	8.3	5.15	8.49	73.7	15.5	17.9	
	Spec. Cond.	236.6	795.9	291.6	162.9	76.3	73.1	54.9	36.1	279.6	421.5	984.9	568.3	1040	105.3	132.5	92	123	836.7	303	586.8	
	Sulfate	6.45	32.8	11.6	6.04	ND	ND	ND	ND	36.9	ND	45.2	11.7	72.6	ND	7.83	5.94	ND	15.5	ND	6.71	
	TDS	208	588	256	160	80	108	44	144	188	520	1036	788	1016	116	140	96	116	1020	456	640	
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0001	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Total Hardness	73	174	110	55	33	22	35	22	45	163	430	241	99	140	72	54	58	280	125	67	
Turbidity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Vanadium	ND	ND	ND	ND	ND	ND	ND	0.0124	0.0098	ND	ND	ND	ND	ND	0.0094	0.0055	ND	ND	0.0094	ND		
Zinc	0.0084	0.0067	0.0121	0.0056	0.0145	0.0187	0.0079	0.0459	0.0359	0.0076	0.0487	0.0106	0.0109	0.0166	0.0575	0.0493	ND	0.0306	0.0224	ND		

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011
Monitoring Location OB01	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	104	95	103	93	112
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Barium	0.0476	0.1027	0.0588	0.1456	0.036	0.1325	0.1065	0.1459	0.1381	0.1348	0.1286	NT	0.1465	0.164	0.162	0.169	0.182	0.191
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	64.9	67.6	68.2	76.2	73.8
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	196	204	241	262	291
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Cobalt	ND	0.0054	ND	0.0069	ND	0.007	0.0036	0.0051	0.0094	0.0039	0.0071	NT	ND	0.009	0.0084	0.0101	0.0147	0.0289
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	5.1	6.9	ND
	Copper	0.013	0.0103	ND	0.0114	0.0105	0.0149	0.0107	0.0069	0.0104	0.0071	0.0072	NT	ND	0.007	0.0096	0.0094	0.0063	0.00645
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	330	320	350	364	390
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	0.469	0.837	0.515
	Lead	ND	ND	ND	ND	ND	ND	0.0025	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	36	40.3	38.9	45.3	46.3
	Manganese	0.2826	0.7486	0.0745	0.845	0.1334	0.8516	ND	1.231	NT	NT	NT	NT	NT	2.77	3.17	3.95	5.07	7.98
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	0.0004	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Nickel	0.0069	0.0088	0.0033	0.0125	0.0035	0.0151	0.0131	0.0177	0.0194	0.0182	0.0152	NT	0.0182	0.026	0.0264	0.0304	0.0307	0.0381
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.67	1.94	1.907	1.79	1.34
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.82	5.08			5.51
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.52	3.64	3.36	3.81	3.78
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	47.4	54.5	51.8	58.2	66.3
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	855.9	920.7			980.9
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	26.4	24.9	26.6	26.8	28.8
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	776	912	1176	856	1116
	Thallium	ND	ND	ND	ND	ND	0.0013	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
Turbidity	3.2		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.186	0.18	0.98	1.96	NT	
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	0.0157	0.0084	0.0161	NT	0.012	ND	0.013	0.0107	0.0116	0.0128	

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011
Monitoring Location OB02	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	67	57	72	70	72
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Barium	0.0524	0.1579	0.1567	0.1684	0.1443	0.1971	0.1508	0.2539	0.2817	0.2464	0.1635	0.1338	0.1568	0.296	0.344	0.126	0.531	0.0771
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	60.6	73.9	39.1	72.2	28.2
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	212	264	90	47.3	51.1
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	0.003	ND	0.0034	ND	0.0055	ND	0.0049	0.0065	ND	ND	ND	ND	0.0057	0.0071	ND	0.0587	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Copper	0.009	ND	0.0106	0.0154	0.0176	0.0267	0.0101	0.0054	0.008	0.0192	0.0052	0.0074	0.0055	0.006	0.0103	0.0069	ND	ND
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	350	376	169	130	125
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.66	2.59	0.818	25.2	0.768
	Lead	ND	ND	ND	ND	ND	0.0049	0.0022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	32.2	43.3	17.7	59.3	12.1
	Manganese	0.1219	1.429	0.5523	1.252	0.2375	1.3188	0.1466	1.314	NT	NT	NT	NT	NT	1.21	1.34	1.24	10.1	0.876
	Mercury	ND	ND	ND	ND	0.1694	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0025	0.0043	0.0035	0.0046	0.004	0.0074	0.0022	0.0047	0.0088	0.0062	0.0028	ND	0.0021	0.0082	0.011	ND	0.0168	ND
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.27	5.35			6.71
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.91	7.07	4.43	13.7	3.99
	Selenium	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	22.6	30.6	17.8	111	11
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	665	910.3			318.1
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.5	14.9	7.38	4.24	5.87
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	780	1008	388	336	1264
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	3.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.3	6.4	2.6	33.3	NT	
Vanadium	ND	ND	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.017	0.0176	0.0049	0.0074	0.0091	ND	0.0187	0.00533	0.00773	0.00643

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB02A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	38	36	40	35	36	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	ND	ND	ND	ND	ND	
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	
	Barium	0.105	0.0976	0.1032	0.1403	0.1033	0.1198	0.1035	0.2976	0.2861	0.1479	0.2413	0.1676	0.2743	0.354	0.297	0.345	0.349	0.397	
	Beryllium	ND	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	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	77.5	76.4	87.1	82.9	96.3
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	280	286	310	302	350
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Copper	0.009	ND	ND	0.0154	0.0159	0.0114	0.0137	0.0057	0.0062	0.0103	0.0045	0.0061	0.0064	0.0054	0.0075	0.0077	0.0053	ND	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	390	353	420	391	463
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.414	0.6	0.682	ND	0.58
	Lead	ND	ND	ND	ND	ND	ND	0.0031	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	46.4	44.4	52.3	53.4	59.1
	Manganese	0.0345	0.0217	0.0327	0.0366	0.0313	0.0303	0.0128	NT	NT	NT	NT	NT	NT	NT	0.0381	0.0382	0.0449	0.0513	0.0465
	Mercury	ND	ND	ND	ND	0.0482	ND	0.0013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0083	0.0052	0.004	0.0049	0.0059	0.0064	0.006	0.0061	0.0082	0.0092	0.0059	0.0077	0.0073	0.0122	0.0099	0.012	0.011	0.0114	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5894	0.582	0.589	0.543	0.576
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.75	4.77			5.09
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.73	4.1	4.69	5.2	5.78
	Selenium	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	31.2	32.5	35	31.6	34.9
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	636.7	925.5			1263
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	22.4	16.2	25.4	17.8	21.5
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1088	1072	1192	288	68
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	2.8	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.83	1.16	0.891	0.416	NT	
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0068	0.0156	ND	ND	0.0131	ND	0.00713	0.0081	0.00823	0.00783	

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB03	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	265	321	242	267	216	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.39	6.46	2.9	4.97	2.56	
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0087	0.0027	0.0085	0.0085	0.0232	0.0079	0.0066	0.0023	0.0023	0.0046	0.004	ND	ND	0.0024	ND	ND	ND	ND	ND
	Barium	0.0275	0.1768	1.353	1.896	1.69	0.1124	1.101	0.6512	0.7963	0.9091	0.7536	0.5928	0.5995	0.588	0.856	0.592	0.736	0.58	
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	0.0039	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	59.9	80.3	62.3	69	65.3
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	134	193	155	220	163
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Cobalt	0.0592	0.0318	0.0755	0.0614	0.0711	0.0029	0.0593	0.0555	0.0674	0.0581	0.0556	0.053	0.0569	0.0643	0.0662	0.0659	0.0629	0.0554	
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.6	34.9	10.1	28.8	16.8
	Copper	0.012	0.0161	ND	0.0132	0.0145	0.0153	0.0093	0.0499	0.0064	0.0113	0.0066	0.0077	0.0978	0.0063	0.0084	0.0124	0.0076	ND	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	690	700	400	3600	410
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	28.8	34.6	25	23.6	22.19
	Lead	0.0041	0.0029	0.0036	ND	0.003	0.0027	0.0031	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	33.2	52.8	35.6	47.1	41.1
	Manganese	15.97	9.801	18.17	19.31	20.5775	19.79	20.7743	16.74	NT	NT	NT	NT	NT	NT	18.5	18.8	21.3	18.5	19
	Mercury	ND	0.0003	ND	ND	0.005	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0166	0.0114	0.0183	0.0109	0.0047	0.0172	0.0171	0.0408	0.019	0.0175	0.0168	0.0142	0.09	0.0183	0.0167	0.0197	0.0176	0.0164	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.19	4.74			5.97
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.2	10.9	6.94	10.1	7
	Selenium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Silver	0.0021	ND	ND	0.0048	0.0046	ND	ND	ND	ND	ND	ND	ND	ND	0.0154	ND	ND	ND	ND	ND
	Sodium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	35.9	92.8	41.6	74.2	44.2
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	902	1405			814.1
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.84	31.4	16.7	41.4	22
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	564	984	676	784	804
	Thallium	ND	ND	ND	0.0012	0.0012	ND	ND	ND	ND	ND	0.0015	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	3.7	248	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	11	24.4	22.9	2.81	NT	
Vanadium	ND	ND	0.0039	0.0059	0.0078	0.0027	ND	0.0219	ND	0.0023	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0126	0.0253	0.0208	ND	0.0336	ND	0.0118	0.0165	0.0148	0.0141	

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB03A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	317	461	270	340	226	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.47	8.93	4.35	7.91	5.09	
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0046	0.0047	0.004	0.0027	0.0036	0.0034	0.0021	0.0033	0.0046	0.008	0.0032	0.0106	ND	0.0036	ND	ND	ND	ND	ND
	Barium	0.6983	0.8541	0.6897	0.6416	0.4988	0.57	0.4668	0.6407	0.9942	0.658	0.5139	0.5699	0.593	0.568	0.421	0.581	0.0796	0.529	
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	0.0031	0.0022	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	69.4	91.6	66	24.8	68.5
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	194	164	176	239	193
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.0834	0.0665	0.0744	0.0612	0.082	0.0654	0.0584	0.0658	0.084	0.0608	0.0609	0.0617	0.063	0.0698	0.0458	0.0684	ND	0.0563	
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	19.1	38.5	12.1	35	22.5
	Copper	0.0186	0.0142	ND	ND	ND	0.0141	0.0089	0.0054	0.0101	0.0079	0.0056	0.0083	ND	0.0064	0.0084	0.008	0.0108	ND	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	700	670	360	580	375
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	39.4	49.3	31	2.71	29.71
	Lead	ND	ND	ND	ND	ND	ND	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	3.107	5.824	2.812	17.89	2.9275	17.88	14.2709	15.08	NT	NT	NT	NT	NT	NT	44.4	66.8	41.6	15.8	48.7
	Manganese	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.3	6.35	16.4	0.982	14.2
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0173	0.0198	0.0167	0.0163	0.0121	0.0178	0.0132	0.0164	0.0219	0.0166	0.0164	0.0166	0.016	0.02	0.0157	0.0194	ND	0.0158	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.76	4.98			6.03
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.4	19.2	9.18	4.68	9.64
	Selenium	0.004	0.0021	ND	ND	0.0029	ND	ND	ND	0.003	ND	ND	ND	ND	ND	0.0024	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	70.3	132	58.5	14.4	70.5
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1023	1661			975.1
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	33.5	75.4	26.9	58.4	31.5
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	780	1112	704	980	888
	Thallium	ND	ND	ND	0.0013	ND	0.0012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	463	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	39.4	271	13.3	13.6	NT	
Vanadium	0.0019	0.0051	0.0033	0.0018	0.0021	0.0022	0.0011	0	0.0003	0.0113	0.0021	0.0036	0.0005	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	0.0064	0.017	0.0134	0.0272	0.0272	0.0182	0.0182	0.011	0.00872	0.0131	0.0147	0.0089		

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB04	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	221	242	255	238	242	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.328	0.542	0.514	0.695	0.673	
	Antimony	ND	ND	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	0.0034	ND	0.0055	ND	ND
	Barium	0.1795	0.1584	0.1513	0.1513	0.0797	0.043	0.1065	0.2328	0.2276	0.222	0.1991	0.2255	0.2468	0.261	0.254	0.255	0.264	0.255	
	Beryllium	ND	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	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	154	160	159	154	157
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	412	193	424	433	416
	Chromium	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	26.3	25.2	29.8	30.7	29.2
	Copper	0.0108	ND	ND	0.0121	0.0157	0.0254	0.0123	0.0316	0.0323	0.029	0.0088	0.0087	0.0311	0.0344	0.0388	0.0418	0.0367	0.0314	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	670	610	680	717	705
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.343	1.13	1.2	ND	0.92
	Lead	ND	ND	ND	ND	ND	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	75.1	83.7	81	88.1	89.1
	Manganese	0.2437	0.4449	0.215	0.6462	0.0306	0.7021	0.1073	1.2	NT	NT	NT	NT	NT	NT	1.32	1.81	1.84	1.94	2.03
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0114	0.009	0.0093	0.0112	0.0064	0.0146	0.0095	0.0091	0.0105	0.0102	0.0106	0.0118	ND	0.0137	0.0124	0.0145	0.0132	0.0115	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.71	5.3			5.88
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.32	6.52	6.45	7.29	7.18
	Selenium	0.0045	0.0033	0.003	0.0056	0.0024	0.0032	0.0047	0.0033	0.0072	0.007	0.005	0.0058	ND	0.0167	0.0066	0.0219	0.0193	0.0144	
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	71	77.6	73.8	74.4	74.3
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1673	1758			1503
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	18.8	21.1	28.4	19.6	22.3
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1348	1772	1760	1428	1736
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	2.6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.07	0.24	0.632	0.421	NT	
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.007	0.0058	0.0167	ND	0.0138	ND	0.00761	0.00779	0.00828	0.00744	

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB04A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	125	142	135	133	127	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.301	0.366	0.281	0.379	0.316	
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0039	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0036	ND	0.0061	0.0053	ND	
	Barium	0.0444	0.0368	0.0406	0.0443	0.0447	0.1167	0.0408	0.0441	0.0432	0.0445	0.0453	0.049	0.0512	0.0542	0.0555	0.0539	0.0579	0.0555	
	Beryllium	ND	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	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	109	116	113	117	118
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	438	311	468	473	460
	Chromium	ND	ND	ND	ND	ND	ND	ND	0.0022	ND	0.0026	ND	ND	ND	0.0021	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	31.3	26.4	29.5	39.3	27.5
	Copper	0.0312	0.0185	0.0262	0.0348	0.0339	0.0218	0.026	0.0248	0.0227	0.0261	0.03	0.027	0.0288	0.0328	0.0321	0.0324	0.0283	0.0236	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	570	550	600	592	602
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.998	1.57	1.24	0.636	0.712
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	71.9	86.1	80.3	94.8	85.5
	Manganese	0.5439	0.4973	0.6448	0.6915	0.6969	0.3169	0.6662	0.6592	NT	NT	NT	NT	NT	0.969	1.07	1.13	1.12	1.1	
	Mercury	ND	ND	ND	ND	0.0799	ND	ND	ND	ND	ND	0.0004	ND	ND	0.0003	ND	ND	ND	ND	ND
	Nickel	0.0152	0.0119	0.0138	0.0141	0.0149	0.0103	0.0142	0.0148	0.0152	0.0157	0.0164	0.0172	0.0159	0.021	0.0194	0.0207	0.0193	0.017	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.82	4.84			5.43
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.93	5.25	4.92	5.92	4.99
	Selenium	0.0146	0.0038	0.0035	0.007	0.0027	0.0032	0.0053	0.0032	0.0074	0.0085	0.0077	0.0064	ND	0.0174	0.0071	0.0243	0.0223	0.0161	
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	89.1	101	91.9	100	91.1
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1943	1678			1438
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.1	12.9	12.8	11.5	11
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1200	1764	1672	1356	1636
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Turbidity	1.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.3	16.8	16.3	5.83	NT	
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	0.0321	NT	NT	NT	NT	NT	NT	NT	NT	0.0166	0.017	0.0201	0.0273	0.0321	0.024	0.0227	0.0214	0.021	0.0204	

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB06	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	150	170	220	145	156	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	0.389	ND	
	Antimony	ND	ND	ND	ND	ND	0.0033	ND	ND	0.0034	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Arsenic	ND	ND	ND	ND	ND	ND	ND	0.003	0.0027	ND	0.0027	ND	ND	0.0032	ND	0.0067	ND	ND	
	Barium	0.212	0.1657	0.1792	0.1979	0.2335	0.1901	0.2245	0.2017	0.195	0.4262	0.1607	0.17	0.1941	0.196	0.267	0.507	0.536	0.195	
	Beryllium	ND	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	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	148	147	126	145	137.5
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	356	222	360	356	350
	Chromium	ND	ND	ND	ND	ND	ND	ND	0.0104	ND	0.0768	ND	ND	0.0127	0.0021	0.021	0.127	0.0199	ND	
	Cobalt	0.0045	0.0032	0.0043	0.0043	0.0039	0.005	0.0047	0.0063	0.0049	0.0251	0.0052	0.0052	ND	0.0059	0.0111	0.0326	0.0101	ND	
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	68	55.1	31.5	38.9	32.9
	Copper	0.0094	ND	ND	0.0125	0.0138	0.0204	0.0082	0.0192	0.0083	0.1077	0.0096	0.0101	0.0117	0.0116	0.0327	0.207	0.0444	0.00681	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	580	560	550	553	552
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.7	29.2	111	15.5	1.05
	Lead	ND	ND	ND	ND	ND	0.0028	ND	0.0048	ND	0.0491	ND	ND	ND	ND	ND	0.0126	0.0503	0.0474	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	56.6	64.4	78.8	63	55.9
	Manganese	0.352	0.2544	0.2995	0.3857	0.3813	0.4155	0.4181	0.4954	NT	NT	NT	NT	NT	NT	0.482	0.668	1.57	0.862	0.487
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0005	0.0003	ND	ND	ND	0.00286	0.00149	0.00852	0.00087	
	Nickel	0.0141	0.0086	0.0111	0.0118	0.0106	0.0126	0.0138	0.0204	0.0139	0.0805	0.0129	0.0129	0.02	0.0166	0.0349	0.131	0.0245	0.0112	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.6869	0.6679	0.87	0.758	0.786
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.62	5.69			5.51
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.82	6.71	28.8	6.2	4.72
	Selenium	0.0087	0.0041	0.005	0.0061	0.006	0.0049	0.0118	0.0088	0.0094	ND	0.0095	0.0088	ND	0.0147	0.008	0.023	0.0201	0.0122	
	Silver	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	0.0088	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	83.3	92	70.4	80.3	81
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1564	1571			1289
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	82.9	85.1	81.7	85.7	93.7
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1116	1388	1784	1192	960
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0031	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	1.7	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	21.7	533	3329	3800	NT	
Vanadium	ND	ND	ND	ND	ND	ND	ND	0.0069	ND	0.0724	ND	ND	ND	ND	ND	0.0204	0.133	0.0213	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	0.036	0.2789	0.031	0.0321	0.0414	0.0414	0.0321	0.116	0.372	0.0997	0.0213		

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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB07	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	163	161	184	175	169	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Antimony	ND	ND	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	ND	ND
	Barium	0.0561	0.0507	0.0598	0.0815	0.0658	0.0831	0.0938	0.0172	0.0928	0.0903	0.0511	0.0406	0.0252	0.025	0.0414	0.0333	0.0256	0.0257	
	Beryllium	ND	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	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	99.5	105	102	114	112.5
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	150	48.8	171	193	194
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0034	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	13.6	ND	14	5.2
	Copper	0.0087	ND	ND	0.0108	ND	0.0129	0.005	0.0057	0.0053	0.0137	0.0033	0.008	ND	0.0062	0.0126	0.0132	ND	ND	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	331	350	360	407	409
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.262	1.07	2.14	1.08	0.659
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0031	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	26.1	29.7	28.5	35.2	34.8
	Manganese	0.0085	ND	ND	0.0043	0.0038	0.0232	0.0772	0.0479	NT	NT	NT	NT	NT	NT	0.0317	0.281	0.221	0.0338	0.0369
	Mercury	ND	ND	ND	ND	ND	ND	ND	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	0.00028	0.00049	0.00031
	Nickel	ND	ND	ND	ND	ND	ND	0.0022	ND	0.0024	0.0056	0.0022	ND	ND	0.0047	0.0057	ND	ND	ND	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5482	0.5966	0.658	0.861	0.819
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.04	5.95			6.34
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.07	3.23	3.13	3.24	3.42
	Selenium	0.0025	ND	ND	ND	ND	ND	0.0042	ND	0.0029	0.0054	0.0028	ND	ND	0.0044	ND	0.0058	0.0071	0.00658	
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	21.4	23.3	21.9	21.3	20.8
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	760	828.1			806.2
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.4	15.2	19.2	20.4	21
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	644	764	1068	800	984
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	3.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.283	14.3	40.7	0.939	NT	
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	0.0075	0.023	ND	ND	ND	ND	ND	ND	0.0126	0.0112	ND	0.00576	

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB07A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	124	92	115	112	115	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Antimony	ND	ND	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	ND	ND
	Barium	0.0438	0.0469	0.0439	0.0248	0.0529	0.027	0.0616	0.0265	0.0313	0.0506	0.0643	0.0864	0.0419	0.0431	0.0693	0.037	0.0401	0.0432	
	Beryllium	ND	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	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	91.8	55.8	72	86.5	90
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	235	74.5	205	216	246
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0025	0.0027	ND	ND	ND	0.0059	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	17.8	6.1	9.7	16.5	10
	Copper	0.0086	ND	ND	0.0153	0.0138	0.0129	0.0114	0.0051	0.0055	0.0113	0.0092	0.0116	ND	0.0058	0.0128	0.0078	ND	ND	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	420	205	350	390	424
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.239	ND	0.5	0.819	0.538
	Lead	ND	ND	ND	ND	ND	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	51.2	21.7	41.6	49.3	52.5
	Manganese	0.1699	0.0904	0.3046	0.0437	0.0237	0.2041	0.1168	0.0692	NT	NT	NT	NT	NT	NT	0.0592	0.753	0.0954	0.07	0.0716
	Mercury	0.0006	0.0003	0.0004	0.0003	0.0003	0.0005	ND	0.0009	0.0007	0.0005	0.0005	0.0004	0.0009	0.001	0.00026	0.00047	0.00075	0.00056	
	Nickel	0.0068	0.0043	0.0047	0.0024	0.0025	0.0037	0.0044	0.0023	0.0039	0.0059	0.0043	0.0041	ND	0.006	0.0099	ND	ND	ND	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.8907	ND	0.9	0.902	0.891
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.51	5.94			5.6
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.66	7.32	2.56	2.3	2.44
	Selenium	0.0024	ND	ND	0.0022	ND	ND	0.0042	ND	0.0034	0.0044	0.0032	ND	ND	0.0083	ND	0.0064	0.0095	0.00935	
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	30.2	23.8	26.1	25.6	26.3
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	706.7	565.4			860.9
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	22.4	3.38	21.6	22.6	28
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	784	492	1176	796	872
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	5.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.317	6.85	1.55	0.579	NT	
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0065	0.0086	ND	ND	ND	ND	0.0136	0.0079	0.00516	ND	

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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB08	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	229	245	248	230	230	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Antimony	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0327	NT	0.0158	0.0137	0.0102	0.0159	0.0114	0.1281	0.1163	0.1146	0.0822	0.0288	0.1309	0.137	0.126	0.118	0.116	0.116	0.128
	Beryllium	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	NT	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	63.5	71.1	65.9	62.7	67.1	
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	34.7	31.2	32.8	34.2	46.1	
	Chromium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	NT	ND	ND	ND	ND	ND	0.0084	0.0078	0.0069	0.0034	ND	ND	0.0052	0.0064	0.0064	0.007	0.00803	
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	4.9	ND	ND	ND	
	Copper	0.0204	NT	ND	0.0126	0.0107	0.0172	0.0073	0.0062	0.006	0.0061	0.0045	0.008	ND	0.0043	0.0073	0.006	0.006	ND	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	228	250	300	265	144	
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.301	0.675	0.647	0.718	0.797	
	Lead	ND	NT	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	12.9	16.6	14.9	17	16.8
	Manganese	0.7419	NT	0.2364	0.0976	0.0716	0.4195	0.2417	8.924	NT	NT	NT	NT	NT	6.29	7.07	7.18	6.56	7.228	
	Mercury	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0028	NT	ND	ND	ND	0.0028	0.0021	0.0081	0.0089	0.0082	0.0039	ND	ND	0.0083	0.0081	0.0083	0.0077	0.0085	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.04	5.41			5.85	
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.81	2.87	2.63	2.91	2.86	
	Selenium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Silver	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	27.2	31.6	28	28.7	27.4	
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	523.1	528.2			476.3	
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.54	4.91	4.83	ND	ND	
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	284	340	384	280	344	
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Turbidity	22.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.266	0.77	0.485	0.735	NT		
Vanadium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Zinc	NT	NT	NT	NT	NT	NT	NT	0.0057	0.0039	0.0048	ND	ND	ND	ND	ND	ND	ND	0.00765	0.00658	

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011
Monitoring Location OB08A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	228	233	226	220	218
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.299	ND	ND	ND
	Antimony	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	NT	ND	ND	ND	ND	ND	0.0026	0.003	0.0022	ND	ND	ND	0.0023	ND	ND	ND	ND
	Barium	0.0098	NT	0.0049	0.0059	0.0057	0.0101	0.0087	0.0974	0.1007	0.082	0.0894	ND	0.0669	0.0815	0.0919	0.0779	0.099	0.0689
	Beryllium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	59.4	52.6	52.9	58.1	54.4
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	67.4	39.9	58.2	45.4	63.3
	Chromium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	NT	ND	ND	ND	ND	ND	0.0184	0.0171	0.0177	0.0094	ND	0.0167	0.0186	0.0135	0.0175	0.0146	0.0173
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	39.2	5.3	10.2	ND
	Copper	0.02	NT	ND	0.0102	0.0127	0.0104	0.0078	0.0083	0.0059	0.0058	0.0041	0.0061	ND	0.0051	0.0067	0.0061	0.006	ND
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	570	330	300	370	190
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.85	3.33	3.35	3.69	3.05
	Lead	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	23.2	19.2	19.3	20.3	22
	Manganese	0.7339	NT	0.2168	0.0206	0.0218	0.1302	0.2202	9.787	NT	NT	NT	NT	NT	8.16	7.9	8.23	8.57	7.484
	Mercury	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0032	NT	ND	ND	ND	0.0021	0.0026	0.0106	0.0088	0.0083	0.0054	0.0095	ND	0.0095	0.0068	0.0079	0.0071	0.00745
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.65	5.49			5.96
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.82	2.73	2.52	2.77	2.8
	Selenium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	37	34.7	31.7	30.8	31.8
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	579.9	541.9			502.5
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.85	3.04	5.74	ND	ND
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	352	336	384	340	1240
	Thallium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	26.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.69	3.8	0.528	1.36	NT	
Vanadium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	0.0083	0.0051	0.0045	ND	ND	ND	ND	ND	ND	0.0078	0.00676	

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB10	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	110	83	134	116	122	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Antimony	ND	ND	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	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0434	0.0413	0.0436	0.0425	0.0375	0.0379	0.03	0.0778	0.0366	0.0491	0.0321	0.0416	0.0401	0.0468	0.049	0.0553	0.0531	0.0534	
	Beryllium	ND	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	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	38.6	37.7	43.4	39.8	45.8
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	82.4	53.3	83.6	89	94.1
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.0029	0.0027	0.0036	0.0035	0.0026	0.0029	ND	0.0035	ND	0.0041	0.0022	ND	ND	0.0029	ND	0.0059	ND	ND	
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	7.5	10.3	ND	ND
	Copper	0.0161	ND	ND	0.0132	ND	ND	0.008	0.0083	0.0079	0.0082	0.0041	0.0066	0.0063	0.006	0.0179	0.0057	ND	ND	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	160	161	230	230	226
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.598	1.9	1.28	0.783	1.12
	Lead	0.0021	ND	ND	ND	ND	ND	ND	0.0021	ND	0.0031	ND	ND	ND	ND	ND	0.0085	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	19.4	18.1	24	24.9	27.8
	Manganese	2.196	2.03	20.38	2.248	1.9194	2.04	ND	2.376	NT	NT	NT	NT	NT	NT	2.63	1.31	3.47	2.68	3.03
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0049	0.0049	0.0056	0.0074	0.0048	0.0051	0.0056	0.008	0.0057	0.0066	0.0049	0.0061	0.0049	0.0079	0.0104	0.0079	0.0063	0.00682	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	0.008	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.3	5.98			5.8
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.81	2.94	2.65	3.28	3
	Selenium	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	19	20.3	20.3	18.4	19.6
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	413.6	423.9			446.8
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.7	ND	ND	ND	ND
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	368	364	552	456	492
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	26.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.09	21.1	1.16	0.443	NT	
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	0.023	0.0198	0.0087	ND	0.0107	ND	0.0226	0.00595	0.00573	0.00698		

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB102	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1140	960	1100	1008	1000	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	11.2	12.4	8.98	11.1	11.1	
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	0.0042	0.0061	0.0057	0.0196	0.0063	0.0061	ND	0.0065	ND	0.0068	0.0061	0.00581	
	Barium	0.0633	0.0818	0.1215	0.2291	0.3498	0.3393	0.3277	0.3264	0.3338	0.7682	0.3156	0.3331	0.4215	0.385	0.374	0.342	0.349	0.344	
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	0.0021	ND	ND	ND	ND	
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	116	113	114	124	119.7	
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	560	128	577	578	564	
	Chromium	ND	ND	ND	ND	0.0024	0.0043	0.0029	0.0026	0.0035	0.1373	0.0033	0.0088	ND	0.0105	0.0102	ND	ND	ND	
	Cobalt	0.0134	0.0947	0.0145	0.1029	0.0991	0.1041	0.0894	0.1094	0.0873	0.2586	0.0821	0.0876	0.085	0.0925	0.089	0.0842	0.0764	0.0724	
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	262	250	252	235	237	
	Copper	0.0236	ND	0.0228	0.0248	0.0384	0.211	0.0543	0.0437	0.0557	1.8022	0.0638	0.088	0.1301	0.136	0.0793	0.0908	0.0483	0.0449	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	810	158	900	775	701	
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.95	9.66	3.55	1.69	0.798	
	Lead	ND	ND	ND	0.0026	ND	0.0046	0.0022	ND	ND	0.0806	ND	0.0055	ND	0.0043	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	94.8	98.7	94.3	102	98.4	
	Manganese	2.041	4.083	6.425	17.25	25.835	24.56	ND	NT	NT	NT	NT	NT	NT	22.2	20.7	21.8	23.5	20.9	
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0006	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0082	0.0052	0.023	0.0362	0.09	0.0767	0.0913	0.087	0.0942	0.2651	0.0908	0.0871	0.1029	0.118	0.0966	0.101	0.092	0.0909	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.26	5.95			6.42	
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	37.2	41.7	37.8	39.8	40.4	
	Selenium	0.0023	ND	0.0026	0.0071	0.0092	0.0093	0.0127	0.0185	0.0179	0.036	0.0186	0.0152	0.0167	0.0256	0.0134	0.0256	0.0237	0.0224	
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	613	549	500	561	550	
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3522	3493			3010	
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	71.9	71.5	57.4	74.3	74.4	
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2120	2172	2252	2308	2244	
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0087	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	6.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	191	202	71.4	23.7	NT		
Vanadium	ND	ND	ND	ND	ND	0.0047	ND	ND	0.003	0.1443	ND	0.0105	ND	0.0104	0.0124	ND	ND	ND		
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	0.021	1.254	0.0248	0.0424	0.0776	0.0464	0.0402	0.0224	0.0135	0.0127		

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB105	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	810	1710	600	728	494	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.4	61.8	5.02	25.1	4.4	
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	0.005	ND	0.007	0.0023	0.0058	0.0027	0.0041	0.0057	0.0064	0.0044	ND	0.012	0.005	0.0109	ND	ND	ND
	Barium	0.0954	0.1666	0.2607	0.1224	0.512	0.2067	0.2254	0.208	0.2161	0.166	0.256	0.1682	0.466	0.304	0.408	0.258	0.218	0.157	
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	0.0079	0.0125	NT	NT	NT	NT	NT	0.0047	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	156	124	165	92.2	170	
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	328	265	334	219	309	
	Chromium	0.0042	0.0025	0.0028	0.0026	0.0051	0.0027	0.0028	0.0024	ND	0.0057	0.0044	ND	ND	0.0717	0.0075	0.0808	0.0106	0.0184	
	Cobalt	0.0064	0.0051	0.0173	0.0045	0.0146	0.007	0.0077	0.0054	0.0073	0.0116	0.012	0.0077	0.0108	0.101	0.0129	0.196	0.0202	0.0345	
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	173	258	207	92.4	83.4	
	Copper	0.019	0.0416	ND	0.013	0.0156	0.0654	0.0148	0.0103	0.0094	0.0217	0.0184	0.012	0.0134	0.112	0.0218	0.173	0.0277	0.0237	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	900	870	950	576	866	
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	85.3	31.2	110	17.1	19.96	
	Lead	0.0054	ND	0.0024	ND	ND	0.0033	0.0033	ND	ND	0.0033	0.0021	ND	ND	0.0268	ND	0.0332	ND	0.015	
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	129	152	132	96.5	132	
	Manganese	0.8784	1.85	2.046	1.112	2.1005	2.237	ND	1.481	NT	NT	NT	NT	NT	3.58	1.97	3.76	1.68	2.66	
	Mercury	ND	ND	ND	ND	0.0108	ND	ND	ND	ND	0.0004	ND	ND	ND	0.0038	ND	0.003	0.00026	0.00101	
	Nickel	0.014	0.0092	0.0137	0.0088	0.0145	0.0141	0.0111	0.0103	0.0091	0.02	0.0142	0.0143	0.0116	0.174	0.0164	0.228	0.0258	0.053	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND		0.99	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.81	6.33				6.18
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	35.7	136	19.3	61.3	15	
	Selenium	0.0026	0.0051	0.0049	0.0036	0.007	0.0044	0.0135	0.004	0.0087	0.012	0.0119	0.01	0.013	0.0193	0.0091	0.0214	0.0102	0.00977	
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	286	468	174	202	183.57	
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3384	3886				1963
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	346	105	309	139	314	
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1736	2400	1876	1320	1872	
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	31.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1215	338	3430	240	NT		
Vanadium	0.0071	0.0034	0.0038	0.0032	0.006	0.0037	0.0023	ND	ND	0.0077	0.0042	ND	ND	0.0789	0.0096	0.136	0.0194	0.0331		
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0175	0.0799	0.1131	0.0352	0.0501	0.556	0.031	0.765	0.153	0.15	

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Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB11	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	201	165	200	211	215	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	0.0055	ND	ND	ND	0.0021	ND	0.0024	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0266	0.0334	0.2086	0.0803	0.1537	0.0559	0.0535	0.0229	0.0258	0.032	0.0267	0.0331	0.0286	0.0272	0.0515	0.0261	0.0301	0.0292	
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.0054	0.0051	0.0034	0.0081	0.0036	0.0023	0.0056	0.0099	NT	NT	NT	NT	NT	0.0088	0.0058	0.009	0.01	0.0101	
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	126	108	133	134	132.3	
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	330	393	358	259	371	
	Chromium	ND	ND	ND	0.0023	ND	ND	ND	0.0027	ND	0.0037	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	0.0025	0.0613	0.0027	0.0452	ND	ND	ND	ND	0.0036	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	27.5	28.2	29	29	32.5	22.4
	Copper	0.0213	ND	ND	0.0135	0.0164	0.0112	0.009	0.0091	0.0083	0.0069	0.0063	0.0062	ND	0.0083	0.0072	0.0112	0.0078	0.0064	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	550	510	600	563	581	
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.454	0.84	1.22	1.27	0.738	
	Lead	ND	ND	ND	0.0074	0.0028	0.0026	0.0023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	60.1	59.1	67.9	66.6	66.6
	Manganese	0.2674	0.5659	ND	0.7036	5.365	0.6313	0.5976	0.8841	NT	NT	NT	NT	NT	0.862	0.7	0.884	0.869	0.768	
	Mercury	ND	ND	ND	0.0005	0.0004	0.0008	0.0019	0.003	0.0031	0.0007	0.0022	0.0005	0.0019	0.0022	0.00191	0.00254	0.00165	0.00102	
	Nickel	0.0129	0.0137	0.0354	0.0167	0.0382	0.0176	0.0178	0.0292	0.0279	0.0276	0.0249	0.0207	0.0275	0.0361	0.0216	0.0375	0.0331	0.0333	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.69	5.03			5.35
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.56	8.25	4.9	4.82	4.7
	Selenium	ND	ND	ND	ND	0.0034	ND	ND	ND	0.0036	0.0043	0.0029	ND	ND	0.0049	ND	0.0078	0.0061	0.00568	
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	56.7	59.9	68.8	67.9	68.5
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1339	1340			1302
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.96	8.47	9.53	9.48	10.2
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1208	1152	1416	1116	1036
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Turbidity	1.6	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	1.16	3.65	5.75	0.733	NT	
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	0.0389	0.04	0.0427	0.038	0.0508	0.0508	0.0432	0.0309	0.0426	0.043	0.042	

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB11A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	270	282	280	292	285	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.222	0.817	1.7	2.11	1.59	
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	0.0087	ND	0.0027	ND	ND	ND	ND	0.0072	0.0031	ND	ND	ND	ND	ND	ND	ND
	Barium	0.2364	0.1753	0.0733	0.2284	0.0603	0.1653	0.1678	0.1785	0.1767	0.1365	0.1441	0.1335	0.1616	0.151	0.174	0.182	0.957	0.166	
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0102	ND
	Cadmium	0.0048	ND	0.0061	0.01	0.0076	0.0051	0.005	ND	NT	NT	NT	NT	NT	0.0025	0.0101	ND	0.0059	ND	
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	99	92.5	89.8	84.7	93.5	
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	310	262	290	211	297	
	Chromium	ND	ND	ND	0.0025	ND	ND	ND	ND	ND	0.0024	ND	ND	0.0102	ND	ND	ND	0.0321	ND	
	Cobalt	0.059	0.0524	ND	0.0614	0.0022	0.0437	0.0411	0.036	0.0664	0.0239	0.0361	0.0332	0.0204	0.036	0.0777	0.0337	0.144	0.025	
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	30.8	32.3	30	33.7	21.6	
	Copper	0.0246	ND	ND	0.0245	0.016	0.0232	0.0149	0.0076	0.0092	0.0108	0.0088	0.0109	0.0119	0.0103	0.0209	0.0102	0.17	0.00569	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	540	500	660	524	598	
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.61	4.65	1.33	48.4	1.01	
	Lead	ND	ND	ND	0.0179	0.0026	0.003	0.0031	ND	ND	0.0079	ND	ND	ND	ND	0.0059	ND	0.0723	ND	
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	69.2	64.2	67	55	68.6	
	Manganese	5.866	5.688	0.5364	5.137	0.8988	5.408	6.8885	4.922	NT	NT	NT	NT	NT	5.23	7.39	6.38	13.1	5.83	
	Mercury	0.0004	0.0003	0.0019	0.0011	0.0019	0.0003	ND	0.0003	0.0005	0.0014	0.0008	0.0005	0.0009	ND	0.00232	ND	ND	ND	
	Nickel	0.0307	0.0323	0.0138	0.0437	0.0182	0.0343	0.0382	0.0236	0.0228	0.0306	0.0285	0.0269	0.0376	0.0299	0.0306	0.0232	0.0701	0.0222	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.01	5.28			5.49	
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.71	7.17	6.81	13.7	6.83	
	Selenium	ND	ND	ND	0.0048	ND	0.0022	0.0022	ND	0.0029	0.0067	0.0022	ND	ND	0.0048	ND	0.0062	0.0185	ND	
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	107	97.5	101	38.5	99.8	
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1444	1363			1227	
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.6	14.9	18.4	17	15	
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1192	1032	1068	908	304	
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Turbidity	24.1	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	1.97	19.4	3.31	0.83	NT		
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0919	ND		
Zinc	NT	NT	NT	NT	NT	NT	NT	0.0193	0.0229	0.0219	0.025	0.0305	0.0305	0.0249	0.025	0.0218	0.267	0.021		

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB12	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	110	100	108	44	106	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Antimony	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	NT	NT	NT	NT	0.142	0.0989	0.0431	0.036	0.0565	0.0146	0.0228	ND	0.0298	0.0186	0.0211	0.0153	0.0211	0.0173	
	Beryllium	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	33.3	39	32.3	34.1	33	
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	69.9	83.9	65.8	80.1	62.7	
	Chromium	NT	NT	NT	NT	0.0024	ND	ND	0.0104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	12.1	7.4	6.9	ND	
	Copper	NT	NT	NT	NT	0.0145	0.0215	0.0102	0.0151	0.0048	0.009	0.0055	0.007	ND	0.0061	0.0062	0.0068	ND	ND	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	165	189	162	182	153	
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.368	ND	0.228	ND	ND	
	Lead	NT	NT	NT	NT	ND	0.0032	0.0032	0.0046	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	19.7	23.4	19.8	27	20.6	
	Manganese	NT	NT	NT	NT	1.03	0.6074	0.2305	0.1681	NT	NT	NT	NT	NT	0.102	0.131	0.107	0.106	0.108	
	Mercury	NT	NT	NT	NT	0.0006	0.0004	0.0005	0.0011	ND	0.0015	0.0007	ND	ND	0.0003	ND	ND	ND	ND	
	Nickel	NT	NT	NT	NT	0.0058	0.0069	0.0065	0.0156	0.0035	0.0062	0.0064	0.0066	ND	0.0089	0.0101	0.0102	0.0084	0.00652	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.622	2.25	1.377	1.59	1.14	
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.84	6.14			5.46	
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3	3.04	2.32	3.24	2.69	
	Selenium	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Silver	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	24.5	27.8	25.4	27.9	22.8	
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	481.7	511.8			421.1	
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.14	14.9	7.13	4.78	5.57	
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	308	400	408	120	296		
Thallium	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Turbidity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.49	5.15	0.328	0.167	NT		
Vanadium	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	0.013	0.0478	0.0222	0.0236	0.0125	ND	0.0134	0.00773	0.00765	0.00631		

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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB15	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	242	93	230	74	228	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.646	0.228	0.29	ND	0.307	
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	0.0031	ND	ND	0.0366	ND	ND	ND	ND	ND	0.0069	ND	ND	ND	ND	ND
	Barium	0.1019	0.0346	0.0999	0.1026	0.3716	0.0852	0.0991	0.3997	0.0364	0.2282	0.0856	0.1015	0.0881	0.119	0.0902	0.0785	0.0857	0.0919	
	Beryllium	ND	ND	ND	ND	0.0039	ND	ND	0.0088	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	0.0099	NT	NT	NT	NT	NT	0.0042	ND	ND	ND	ND	
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	29.5	20.3	18	14.8	21.6	
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.16	3.48	7.73	4.61	10	
	Chromium	0.0047	ND	ND	ND	0.1041	ND	0.009	0.3214	ND	0.0521	ND	ND	ND	0.019	ND	ND	0.0053	ND	
	Cobalt	0.0242	ND	0.0213	0.0217	0.0583	0.0219	0.0163	0.2322	ND	0.0599	0.0095	ND	0.0134	0.0273	0.0099	ND	0.0072	0.00621	
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	49.3	11.1	11.2	ND	27.3	
	Copper	0.0213	ND	ND	0.0113	0.0416	0.0153	0.0267	0.5593	0.0061	0.1171	0.0067	0.0059	ND	0.0475	0.0103	0.0083	0.0119	0.0094	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	600	270	165	114	156	
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	54.9	16	27.3	9.24	39.4	
	Lead	0.006	ND	ND	0.0026	0.0242	ND	0.0088	0.1747	ND	0.0409	ND	ND	ND	0.017	ND	ND	ND	ND	
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	23.2	24.5	17.4	22	21.6	
	Manganese	5.642	0.068	3.5	ND	6.422	4.44	ND	9.2235	NT	NT	NT	NT	NT	5.73	4.5	3.87	1.78	3.27	
	Mercury	ND	ND	ND	ND	ND	ND	ND	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Nickel	0.0234	0.0037	0.0288	0.0206	0.1422	0.0197	0.0259	0.4895	0.0086	0.112	0.0084	0.0072	0.0157	0.0473	0.0178	0.0098	0.0149	0.00599	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	0.008	ND	ND	
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.01	6.62			6.15	
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.15	2.3	2.18	2.29	2.46	
	Selenium	ND	ND	ND	ND	0.0134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Silver	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	35	14.5	53.3	36.1	59.1	
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	576.4	368.7			535.4	
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	78.6	78.1	56.5	78.9	49.2	
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	328	252	324	420	528	
	Thallium	ND	ND	ND	ND	ND	ND	ND	0.0024	ND	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	
Turbidity	167	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	125	53.8	25.4	96.8	NT		
Vanadium	0.0029	ND	ND	ND	0.039	ND	0.0032	0.1477	ND	0.0282	ND	ND	ND	0.0052	ND	ND	ND	ND		
Zinc	NT	NT	NT	NT	NT	NT	NT	0.0081	1.2155	0.022	0.021	0.0955	0.0955	0.698	0.0329	0.0212	0.0544	0.0668		

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location OB25	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	423	416	472	282	267	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.57	0.771	3.69	0.629	1.91	
	Antimony	0.0256	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	0.0034	ND	ND	0.004	ND	ND	ND	ND	0.0024	ND	ND	0.0037	0.012	ND	ND	ND	ND
	Barium	0.1133	0.0846	0.1361	0.08	0.0817	0.2081	0.0658	0.0794	0.0832	0.1065	0.1388	0.1179	0.1126	1.31	0.445	0.192	0.195	0.163	
	Beryllium	0.0046	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0137	0.0057	ND	ND	ND	ND
	Cadmium	0.0065	ND	ND	ND	ND	0.0024	ND	ND	NT	NT	NT	NT	NT	0.0174	0.0072	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	111	89.9	90.2	92.7	65.1	
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	156	183	173	62.3	86.6	
	Chromium	ND	ND	0.0228	0.0035	ND	0.0652	ND	ND	ND	0.0046	0.0089	ND	ND	0.105	0.141	0.0193	ND	ND	
	Cobalt	0.0311	0.0109	0.041	0.0104	0.0166	0.0865	0.0119	0.0157	0.0187	0.0229	0.0329	0.027	0.0241	0.418	0.272	0.0532	0.0244	0.0285	
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1080	79.4	90	107	19.6	
	Copper	0.0439	ND	0.0339	0.0153	0.0137	0.0774	0.0085	0.0075	0.0065	0.0083	0.0146	0.0065	ND	0.364	0.188	0.0302	0.0062	0.0168	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	740	520	750	450	292	
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	239	210	29.9	1.32	5.73	
	Lead	ND	ND	0.0086	ND	ND	0.026	0.0021	ND	ND	ND	0.0026	ND	ND	0.148	0.0358	ND	ND	0.0137	
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	82.8	109	71.6	70.2	44.2	
	Manganese	11.46	7.731	1.9548	5.523	11.562	15.005	10.264	9.249	NT	NT	NT	NT	NT	55.8	33.5	24.2	6.86	10.52	
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0003	ND	ND	0.00142	ND	
	Nickel	0.0366	0.0074	0.0446	0.0138	0.0109	0.0872	0.009	0.0097	0.0113	0.0161	0.0215	0.0128	0.0127	0.226	0.281	0.0506	0.0183	0.0128	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.6782	2.31	ND	1.33	ND	
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.19	5.51				8.7
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	17.6	15.9	16.6	7.24	14.3	
	Selenium	ND	ND	0.0025	ND	ND	0.0053	ND	ND	ND	0.0023	ND	ND	ND	0.0364	0.0172	0.0059	ND	ND	
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	84	76.6	88.9	100	54.3	
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1301	1340				NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	71.8	75.3	67	32.1	39.7	
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	888	916	916	532	252		
Thallium	0.0054	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Turbidity	94	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10100	3870	357	15050	NT		
Vanadium	ND	ND	0.0171	0.0022	ND	0.0629	ND	ND	ND	ND	0.0087	ND	ND	0.156	0.129	0.0141	ND	0.00768		
Zinc	0.0243	0.0243	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.95	1.09	0.109	0.0216	0.0256		

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location ST15	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	80	115	79	98	31	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.239	ND	ND	ND	
	Antimony	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Barium	NT	NT	0.0449	0.047	0.0451	0.0511	0.0468	0.0502	0.0481	0.0545	0.0454	NT	0.0786	0.0588	0.0596	0.0681	0.029	0.0197	
	Beryllium	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	33.4	36.7	32.5	27.4	10.3	
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	58.2	102	67.7	38.1	5.32	
	Chromium	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0041	ND	ND	ND	ND	ND	
	Cobalt	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0027	ND	ND	ND	ND	ND	
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	7.2	6.7	24.8	14.1	
	Copper	NT	NT	0.0149	0.0104	0.0159	ND	0.0074	0.0055	0.0059	0.0076	0.005	NT	0.0139	0.0058	0.0085	0.0077	0.0062	ND	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	160	180	160	95	29	
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.372	0.814	0.701	0.863	ND	
	Lead	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0032	ND	ND	ND	ND	ND	
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.7	17.6	15	8.5	2.23	
	Manganese	NT	NT	0.2846	0.1448	0.1394	0.1185	0.1826	0.1261	NT	NT	NT	NT	NT	0.101	0.294	0.19	0.109	0.0434	
	Mercury	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	
	Nickel	NT	NT	0.0091	0.006	0.009	0.0047	0.0091	0.0043	0.0087	0.0069	0.0097	NT	0.0172	0.0083	0.0104	0.0078	0.0052	ND	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.465	1.3279	1.3876	0.401	ND	
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.39	7.19			7.34	
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.59	3.08	2.58	3.48	2.15	
	Selenium	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	
	Silver	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	24.5	59	24.8	28	4.33	
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	386.7	538.8			82.1	
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	20.7	15.6	25.5	7.19	4.42	
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	280	368	404	204	1276	
	Thallium	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	
Turbidity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.04	5.24	6.06	25.6	NT		
Vanadium	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0027	ND	ND	ND	ND	ND		
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	0.0246	0.0187	0.0296	NT	0.0536	0.0202	0.0243	0.0174	0.0131	0.0103		

NT: Not Tested

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Note: MCL exceedances are indicated in Red

Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location ST120	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	64	74	70	60	49	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Antimony	ND	ND	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	ND	ND
	Barium	0.034	0.0318	0.0488	0.034	0.0321	0.0447	0.0705	0.0582	0.0288	0.0431	0.0433	0.0373	0.1051	0.0392	0.0544	0.0482	0.046	0.0357	
	Beryllium	ND	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	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	25.7	34	31.6	23.1	33.4
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	197	93.2	102	50.1	
	Chromium	ND	ND	ND	ND	ND	0.0021	0.0021	0.0026	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	7	11.1	15.1	11.9
	Copper	0.0167	ND	ND	0.0112	ND	0.0116	0.0105	0.0085	0.0104	0.0066	0.0094	0.0089	0.0152	0.0056	0.0105	0.0068	0.0052	0.00623	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	340	150	180	113	73
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.525	1	0.705	0.661	0.75
	Lead	ND	ND	ND	ND	ND	0.0031	0.0028	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00528
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.3	19.1	16.3	14.2	12.6
	Manganese	0.1527	0.0988	0.2052	0.0878	0.0937	0.2585	0.2074	0.2912	NT	NT	NT	NT	NT	NT	0.0634	0.238	0.0817	0.126	0.051
	Mercury	ND	ND	ND	ND	ND	0.0006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0076	0.0043	0.0089	0.0055	0.0072	0.008	0.0104	0.0082	0.0116	0.0077	0.0078	0.006	0.0113	0.0066	0.0155	0.0066	0.0098	0.00741	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.029	1.2126	0.792	0.787	0.581
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.41	5.96			6.98
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.88	3	3.02	2.51	3.08
	Selenium	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	27.5	170	34	53.7	34.5
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	370.8	1116			236.6
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.6	17.2	13.5	7.5	6.45
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	244	720	376	372	208
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	4.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.12	8.2	2.4	3.86	NT	
Vanadium	ND	ND	ND	ND	ND	0.004	ND	0.0033	0.0028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	0.0115	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.0124	ND	0.00891	0.00844	

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Note: MCL exceedances are indicated in Red

Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location ST65	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	70	235	88	243	203	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Antimony	ND	ND	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	ND	ND
	Barium	0.0328	0.0327	0.0745	0.0376	0.0301	0.0351	0.0592	0.0472	0.1	0.0404	0.038	0.0314	0.0447	0.0912	0.0566	0.0431	0.0556	0.079	
	Beryllium	ND	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	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	18.1	40	34.3	33.9	34.2
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	51.7	85.7	98.4	99.6	154
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	0.0074	ND	ND	ND	ND	ND	0.0134	ND	ND	ND	ND	ND	0.0137	ND	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	34.8	34.7	7.7	35.1	39.2
	Copper	0.0157	ND	ND	0.0105	0.0134	0.0105	0.0137	0.0049	0.0063	0.0069	0.0075	0.0069	0.0058	0.008	0.0097	0.0066	0.0067	0.00767	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	100	222	170	180	174
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.1	0.529	0.286	0.657	0.613
	Lead	ND	ND	ND	ND	ND	ND	0.0032	ND	ND	ND	ND	ND	ND	ND	0.0036	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.6	30.7	18.4	26.9	23.7
	Manganese	0.0991	0.2133	0.5262	0.052	0.112	0.0871	0.2699	0.0559	NT	NT	NT	NT	NT	NT	2.37	0.0486	0.0179	0.143	0.25
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0062	0.0041	0.0151	0.0037	0.0057	0.003	0.0083	0.0024	0.0058	0.0037	0.0058	ND	0.0028	0.008	0.0102	ND	0.0095	0.0103	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.7773	1.117	0.392	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.7	6.31			7.07
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.92	14.3	4	14.8	14.9
	Selenium	ND	ND	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0082
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	25.7	110	37	121	115
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	302.3	884.2			795.9
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.32	42.1	10.8	26.6	32.8
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	196	500	500	524	588
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	4.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	90.3	5.03	0.696	8.26	NT	
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0036	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0185	0.0032	ND	ND	0.0058	0.0165	0.0053	ND	0.00604	0.00665	

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location ST70	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	109	106	115	105	81	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.497	ND	0.477	ND	
	Antimony	ND	ND	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	ND	ND
	Barium	0.051	0.0484	0.0496	0.0506	0.0475	0.0885	0.0681	0.066	0.0509	0.0699	0.0508	0.0549	0.1404	0.0624	0.0596	0.0632	0.0498	0.0488	
	Beryllium	ND	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	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	38.2	37.9	42.8	32.5	27.4	
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	85.8	68.8	97.6	79.8	50.6	
	Chromium	0.0031	0.0024	ND	ND	ND	0.0167	0.0202	0.013	0.0034	0.0194	0.0033	ND	0.0422	ND	ND	ND	ND	ND	
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	14.1	10	18.5	15.3	
	Copper	0.0195	ND	ND	0.0107	0.0162	0.0166	0.0109	0.0079	0.0072	0.0109	0.007	0.0076	0.0127	0.0067	0.009	0.0076	0.0066	0.00714	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	170	150	170	128	110	
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.421	0.98	0.357	1.04	0.555	
	Lead	ND	ND	ND	ND	ND	ND	0.0023	ND	ND	0.0039	ND	ND	0.0027	ND	ND	ND	ND	ND	
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	16.3	15.9	17.8	13.6	8.98	
	Manganese	0.2407	0.266	0.2892	0.1555	0.2356	0.1272	0.2724	0.1056	NT	NT	NT	NT	NT	0.154	0.274	0.147	0.185	0.0928	
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.007	0.0058	0.0059	0.0046	0.0075	0.0059	0.0086	0.0044	0.0074	0.007	0.0085	0.0052	0.0095	0.0086	0.0136	0.0077	0.0086	0.00908	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.8591	1.124	1.4818	0.831	0.774	
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.54	6.61			7.05	
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.3	4.4	6.84	4.15	4.52	
	Selenium	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	34.2	69.8	40.1	45.6	20.4	
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	520.6	625.1			291.6	
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	20.8	18.4	25.2	12.8	11.6	
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	352	392	524	312	256	
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Turbidity	16.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.96	9.24	0.753	10.7	NT		
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	0.0167	0.0187	0.016	ND	0.0342	ND	0.0166	0.00661	0.0145	0.0121		

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Table 4 Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location ST80	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	48	110	44	32	42	
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.456	ND	ND	ND	
	Antimony	ND	ND	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	ND	ND
	Barium	0.0282	0.0241	0.032	0.0252	0.0298	0.0436	0.0294	0.0265	0.0297	0.049	0.0305	0.0405	0.0513	0.0365	0.0532	0.0311	0.0387	0.0315	
	Beryllium	ND	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	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	16.2	37.9	12.5	11.8	11.9
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	32.6	92.3	28.6	27.1	29.4
	Chromium	ND	ND	ND	ND	0.0042	ND	ND	ND	0.0026	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	0.0023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	12.5	17	14.6	12.5
	Copper	0.0172	ND	ND	0.0133	0.0116	0.0117	0.0125	0.0051	0.0072	0.007	0.0061	0.0056	0.0064	0.0056	0.008	0.0066	0.0068	0.005	
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	70	152	68	46	55
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.32	0.821	0.863	1.44	0.52
	Lead	ND	ND	ND	ND	ND	0.0028	0.0023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.41	15.4	6.23	5.73	5.47
	Manganese	0.115	0.3743	0.1672	0.2107	0.1439	0.7916	0.0739	0.132	NT	NT	NT	NT	NT	NT	0.126	0.174	0.155	0.149	0.0565
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0037	0.0025	0.0025	0.0022	0.0055	0.0053	0.0028	ND	0.0056	0.0043	0.0036	ND	0.0035	0.0042	0.0108	ND	0.0055	ND	
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.8957	1.1925	0.35	0.856	0.423
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.65	7.37			7
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.08	4.64	2.68	2.16	3.82
	Selenium	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	17.4	69	14	14.6	12.1
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	216.2	616.7			162.9
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.16	17.3	5.53	6.57	6.04
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	144	380	168	144	160
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	51	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.85	7.23	7.86	91.8	NT	
Vanadium	ND	ND	ND	ND	0.0045	0.003	ND	ND	0.0028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0091	0.0085	0.0066	ND	0.0078	ND	0.0119	ND	0.00952	0.00561	

NT: Not Tested

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Note: MCL exceedances are indicated in Red

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location MW1B	Alkalinity																48	49	49	
	Ammonia																ND	ND	ND	
	Antimony																ND	ND	ND	
	Arsenic																ND	ND	ND	
	Barium																0.0057	0.0081	0.0089	
	Beryllium																ND	ND	ND	
	Cadmium																ND	ND	ND	
	Calcium																6.83	8.18	6.92	
	Chloride																ND	ND	ND	
	Chromium																0.0055	ND	0.00501	
	Cobalt																ND	ND	ND	
	COD																ND	6.5	ND	
	Copper																0.0086	ND	0.00799	
	Hardness																30	36	33	
	Iron																1.22	0.651	1.56	
	Lead																ND	ND	0.00552	
	Magnesium																3.72	4.58	4.34	
	Manganese																0.038	0.0495	0.0441	
	Mercury																ND	ND	ND	
	Nickel																0.0055	ND	0.00538	
	Nitrate																ND	ND	ND	
	pH																			5.73
	Potassium																1.25	1.15	1.47	
	Selenium																ND	ND	ND	
	Silver																ND	ND	ND	
	Sodium																10.2	8.37	6.78	
	Spec. Cond.																			76.3
	Sulfate																ND	ND	ND	
	TDS																440	92	80	
	Thallium																ND	ND	ND	
Turbidity																28.2	39.4	NT		
Vanadium																ND	ND	ND		
Zinc																0.0102	0.00685	0.0145		

NEW MONITORING WELL
Sampling Started in Fall 2010

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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location MW2A	Alkalinity																30	40	35	
	Ammonia																ND	ND	ND	
	Antimony																ND	ND	ND	
	Arsenic																ND	ND	ND	
	Barium																0.0155	0.0299	0.0206	
	Beryllium																ND	ND	ND	
	Cadmium																ND	ND	ND	
	Calcium																4.89	7.78	8.86	
	Chloride																ND	2.74	2.69	
	Chromium																0.0084	0.0085	ND	
	Cobalt																ND	ND	ND	
	COD																ND	7.5	ND	
	Copper																0.008	0.0118	0.00689	
	Hardness																19	25	22	
	Iron																1.38	3.14	0.68	
	Lead																ND	0.0055	ND	
	Magnesium																2.15	3.75	3.25	
	Manganese																0.12	0.173	0.204	
	Mercury																ND	ND	ND	
	Nickel																0.0102	0.0092	0.00547	
	Nitrate																ND	ND	ND	
	pH																			5.14
	Potassium																1.94	2.32	1.8	
	Selenium																ND	ND	ND	
	Silver																ND	ND	ND	
	Sodium																7.15	7.07	6.09	
	Spec. Cond.																			73.1
	Sulfate																ND	ND	ND	
	TDS																465	112	108	
	Thallium																ND	ND	ND	
Turbidity																58.9	117.6	NT		
Vanadium																ND	ND	ND		
Zinc																0.0114	0.0229	0.0187		

NEW MONITORING WELL
Sampling started in Fall 2010

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**Table 4
Metals and Other Water Quality Parameters - Long Term Summary**

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location MW2B	Alkalinity																29	37	33	
	Ammonia																ND	ND	ND	
	Antimony																ND	ND	ND	
	Arsenic																ND	ND	ND	
	Barium																0.0113	0.0095	0.0123	
	Beryllium																ND	ND	ND	
	Cadmium																ND	ND	ND	
	Calcium																4.92	8.72	7.2	
	Chloride																ND	ND	ND	
	Chromium																ND	ND	ND	
	Cobalt																ND	ND	ND	
	COD																ND	ND	ND	
	Copper																0.0054	ND	ND	
	Hardness																18	24	35	
	Iron																ND	ND	ND	
	Lead																ND	ND	ND	
	Magnesium																1.94	2.84	2.85	
	Manganese																0.0868	0.063	0.044	
	Mercury																ND	ND	ND	
	Nickel																ND	ND	ND	
	Nitrate																ND	ND	ND	
	pH																			5
	Potassium																1.36	1.58	1.39	
	Selenium																ND	ND	ND	
	Silver																ND	ND	ND	
	Sodium																6.99	5.22	4.88	
	Spec. Cond.																			54.9
	Sulfate																ND	ND	ND	
	TDS																648	56	44	
	Thallium																ND	ND	ND	
Turbidity																2.43	1.29	NT		
Vanadium																ND	ND	ND		
Zinc																0.00606	0.008	0.00794		

**NEW MONITORING WELL
Sampling Started in Fall 2010**

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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location MW3A	Alkalinity																40	24	21	
	Ammonia																ND	ND	ND	
	Antimony																ND	ND	ND	
	Arsenic																ND	ND	ND	
	Barium																0.144	0.0519	0.111	
	Beryllium																ND	ND	ND	
	Cadmium																ND	ND	ND	
	Calcium																6.89	6.1	11.1	
	Chloride																ND	2.94	2.89	
	Chromium																0.053	0.0067	0.00753	
	Cobalt																0.041	0.0108	0.0188	
	COD																ND	ND	ND	
	Copper																0.118	0.018	0.0273	
	Hardness																130	14	22	
	Iron																61.7	5.99	6.67	
	Lead																0.0259	0.0089	0.023	
	Magnesium																20.9	3.68	7.04	
	Manganese																1.08	0.343	0.629	
	Mercury																ND	ND	ND	
	Nickel																0.0816	0.0067	0.00978	
	Nitrate																ND	ND	ND	
	pH																			5.55
	Potassium																13	1.98	2.86	
	Selenium																ND	ND	ND	
	Silver																ND	ND	ND	
	Sodium																7.66	4.12	4.19	
	Spec. Cond.																			36.1
	Sulfate																ND	ND	ND	
	TDS																100	60	144	
	Thallium																ND	ND	ND	
Turbidity																1535	151.5	NT		
Vanadium																0.0529	0.01	0.0124		
Zinc																0.227	0.0275	0.0459		

NEW MONITORING WELL
Sampling Started in Fall 2010

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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011
Monitoring Location MW3B	Alkalinity																160	110	80
	Ammonia																ND	ND	ND
	Antimony																ND	ND	ND
	Arsenic																ND	ND	ND
	Barium																0.0943	0.237	0.175
	Beryllium																ND	ND	ND
	Cadmium																ND	ND	ND
	Calcium																10.7	63	57.4
	Chloride																ND	4.59	2.57
	Chromium																0.0246	0.018	0.0129
	Cobalt																ND	0.027	0.00643
	COD																ND	22.4	7.6
	Copper																0.0125	0.0533	0.0184
	Hardness																100	66	45
	Iron																1.33	9.62	3.89
	Lead																ND	0.041	0.011
	Magnesium																0.715	10.6	5.36
	Manganese																0.0395	1.26	0.276
	Mercury																ND	ND	ND
	Nickel																0.0266	0.031	0.0103
	Nitrate																ND	ND	ND
	pH																		10.2
	Potassium																26	9.54	9.11
	Selenium																ND	ND	ND
	Silver																ND	ND	ND
	Sodium																56.7	107	41
	Spec. Cond.																		279.6
	Sulfate																13.5	165	36.9
	TDS																332	472	188
	Thallium																ND	ND	ND
Turbidity																42	2130	NT	
Vanadium																0.0047	0.0279	0.0098	
Zinc																0.0123	0.108	0.0359	

NEW MONITORING WELL
Sampling Started in Fall 2010

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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location MW04	Alkalinity																70	60	52	
	Ammonia																ND	ND	ND	
	Antimony																ND	ND	ND	
	Arsenic																ND	ND	ND	
	Barium																0.228	0.0431	0.0409	
	Beryllium																ND	ND	ND	
	Cadmium																ND	ND	ND	
	Calcium																34.4	35.5	34.5	
	Chloride																106	138	120	
	Chromium																0.0261	ND	ND	
	Cobalt																0.0264	ND	ND	
	COD																ND	ND	ND	
	Copper																0.037	ND	ND	
	Hardness																183	200	163	
	Iron																37.6	1.21	1.06	
	Lead																0.022	ND	ND	
	Magnesium																30.9	25.8	22.9	
	Manganese																2.87	0.138	0.104	
	Mercury																ND	ND	ND	
	Nickel																0.0758	0.0108	0.00554	
	Nitrate																0.3756	0.378	0.406	
	pH																			5.7
	Potassium																12.2	3.56	2.76	
	Selenium																ND	ND	ND	
	Silver																ND	ND	ND	
	Sodium																29.4	30.2	29.4	
	Spec. Cond.																			421.5
	Sulfate																ND	ND	ND	
	TDS																552	552	520	
	Thallium																ND	ND	ND	
Turbidity																880	13.2	NT		
Vanadium																0.0213	ND	ND		
Zinc																0.138	0.00782	0.00755		

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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location MW06	Alkalinity																260	264	214	
	Ammonia																ND	ND	ND	
	Antimony																ND	ND	ND	
	Arsenic																ND	ND	ND	
	Barium																0.675	0.303	0.319	
	Beryllium																0.007	ND	ND	
	Cadmium																0.0082	ND	0.00656	
	Calcium																62.6	73.9	70.3	
	Chloride																222	200	226	
	Chromium																0.0533	ND	ND	
	Cobalt																0.33	0.322	0.216	
	COD																ND	17.3	ND	
	Copper																0.143	0.0157	0.0106	
	Hardness																430	1720	430	
	Iron																69.4	2.9	0.897	
	Lead																0.0519	0.0101	0.011	
	Magnesium																57.9	54.9	53.5	
	Manganese																38.9	54	37.63	
	Mercury																ND	0.00035	ND	
	Nickel																0.154	0.0339	0.032	
	Nitrate																0.0757	ND	ND	
	pH																			5.58
	Potassium																4.92	2.94	3.71	
	Selenium																0.0429	0.0113	0.00983	
	Silver																ND	ND	ND	
	Sodium																56.2	63.1	61.2	
	Spec. Cond.																			984.9
	Sulfate																54.1	58.7	45.2	
	TDS																1080	868	1036	
	Thallium																ND	ND	0.0001	
Turbidity																5300	1540	NT		
Vanadium																0.0531	ND	ND		
Zinc																0.5	0.0516	0.0487		

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Sampling started in Fall 2010

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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011
Monitoring Location MW07	Alkalinity																90	42	69
	Ammonia																ND	ND	ND
	Antimony																ND	ND	ND
	Arsenic																ND	ND	ND
	Barium																0.0666	0.0674	0.0636
	Beryllium																ND	ND	ND
	Cadmium																ND	ND	ND
	Calcium																46.7	46.5	55.2
	Chloride																131	119	117
	Chromium																ND	ND	ND
	Cobalt																0.0066	ND	ND
	COD																12.6	15	15.1
	Copper																0.016	0.01	0.0084
	Hardness																650	219	241
	Iron																0.69	0.517	ND
	Lead																ND	ND	ND
	Magnesium																23.2	28.1	31.5
	Manganese																2.01	0.761	0.562
	Mercury																ND	ND	ND
	Nickel																0.0157	0.0064	0.00506
	Nitrate																10.35	14.59	18.45
	pH																		5.55
	Potassium																3.16	3.81	3.36
	Selenium																ND	ND	ND
	Silver																ND	ND	ND
	Sodium																33.4	32.6	31.7
	Spec. Cond.																		568.3
	Sulfate																13.1	12.4	11.7
	TDS																648	552	788
	Thallium																ND	ND	ND
Turbidity																11.1	6.06	NT	
Vanadium																ND	ND	ND	
Zinc																0.0246	0.0119	0.0106	

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Sampling Started in Fall 2010

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**Table 4
Metals and Other Water Quality Parameters - Long Term Summary**

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location MW08	Alkalinity																190	480	209	
	Ammonia																0.726	1.94	ND	
	Antimony																ND	ND	ND	
	Arsenic																ND	ND	ND	
	Barium																0.273	0.177	0.109	
	Beryllium																ND	ND	ND	
	Cadmium																ND	ND	ND	
	Calcium																59	114	76.2	
	Chloride																190	207	210	
	Chromium																0.0215	ND	ND	
	Cobalt																0.0816	ND	ND	
	COD																ND	26.3	6.2	
	Copper																0.054	0.0145	0.0067	
	Hardness																270	600	99	
	Iron																15.1	1.69	0.69	
	Lead																0.01	ND	ND	
	Magnesium																36.9	90.9	50.2	
	Manganese																3.46	0.144	0.0902	
	Mercury																ND	ND	ND	
	Nickel																0.0534	0.0082	0.00713	
	Nitrate																7.63	13.85	5.65	
	pH																		6.65	
	Potassium																10.4	19.1	14	
	Selenium																ND	ND	ND	
	Silver																ND	ND	ND	
	Sodium																104	139	124	
	Spec. Cond.																			1040
	Sulfate																55	68.5	72.6	
	TDS																696	1136	1016	
	Thallium																ND	ND	ND	
Turbidity																1227	22.7	NT		
Vanadium																0.0366	ND	ND		
Zinc																0.16	0.0143	0.0109		

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Sampling Started in Fall 2010**

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**Table 4
Metals and Other Water Quality Parameters - Long Term Summary**

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location MW09	Alkalinity																64	110	44	
	Ammonia																ND	ND	ND	
	Antimony																ND	ND	ND	
	Arsenic																ND	ND	ND	
	Barium																0.334	0.156	0.172	
	Beryllium																ND	ND	ND	
	Cadmium																ND	ND	ND	
	Calcium																15.8	14.9	12.4	
	Chloride																11.9	10.9	12.3	
	Chromium																0.0588	0.032	ND	
	Cobalt																0.0341	0.016	ND	
	COD																ND	ND	ND	
	Copper																0.0339	0.0174	ND	
	Hardness																80	48	140	
	Iron																48.6	16.7	ND	
	Lead																0.0373	0.0132	0.0124	
	Magnesium																24.4	13.2	6.9	
	Manganese																1.8	0.689	0.196	
	Mercury																ND	ND	0.00035	
	Nickel																0.0553	0.0274	ND	
	Nitrate																1.25	1.25	1.14	
	pH																		5.25	
	Potassium																17.8	7.41	1.54	
	Selenium																ND	ND	ND	
	Silver																ND	ND	ND	
	Sodium																7.23	3.75	3.91	
	Spec. Cond.																			105.3
	Sulfate																ND	ND	ND	
	TDS																168	172	116	
	Thallium																ND	ND	ND	
Turbidity																1160	398	NT		
Vanadium																0.0541	0.0285	ND		
Zinc																0.189	0.0777	0.0166		

**NEW MONITORING WELL
Sampling started in Fall 2010**

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

**Table 4
Metals and Other Water Quality Parameters - Long Term Summary**

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011
Monitoring Location MW10	Alkalinity																100	75	78
	Ammonia																ND	ND	ND
	Antimony																ND	ND	ND
	Arsenic																ND	ND	ND
	Barium																1.49	0.124	0.414
	Beryllium																ND	ND	ND
	Cadmium																ND	ND	ND
	Calcium																29.1	14.2	21.2
	Chloride																6.75	19.4	8.02
	Chromium																0.125	ND	0.00566
	Cobalt																0.0659	ND	0.0103
	COD																ND	36.6	ND
	Copper																0.197	0.0123	0.0292
	Hardness																110	70	72
	Iron																201	ND	5.7
	Lead																0.0611	ND	0.0153
	Magnesium																78.3	9.1112	10.7
	Manganese																3.59	0.044	0.38
	Mercury																ND	ND	ND
	Nickel																0.111	ND	0.013
	Nitrate																ND	ND	ND
	pH																		5.35
	Potassium																43.5	1.26	2.12
	Selenium																0.0085	ND	ND
	Silver																ND	ND	ND
	Sodium																12.4	10.1	8.3
	Spec. Cond.																		132.5
	Sulfate																7.56	8.3	7.83
	TDS																148	140	140
	Thallium																ND	ND	ND
Turbidity																4340	3140	NT	
Vanadium																0.189	ND	0.00943	
Zinc																0.337	0.132	0.0575	

**NEW MONITORING WELL
Sampling Started in Fall 2010**

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location MW11A	Alkalinity																50	27	40	
	Ammonia																ND	ND	ND	
	Antimony																ND	ND	ND	
	Arsenic																ND	ND	ND	
	Barium																0.749	0.274	0.148	
	Beryllium																ND	ND	ND	
	Cadmium																ND	ND	ND	
	Calcium																23.4	14.8	15.1	
	Chloride																4.22	10.9	4.52	
	Chromium																0.144	0.0273	0.00963	
	Cobalt																0.0695	0.0181	0.0103	
	COD																ND	ND	ND	
	Copper																0.0825	0.026	0.0135	
	Hardness																90	36	54	
	Iron																149	12.1	7.54	
	Lead																0.0499	0.0156	0.0122	
	Magnesium																66.6	11.2	8.63	
	Manganese																3.47	0.738	0.319	
	Mercury																ND	ND	ND	
	Nickel																0.145	0.0277	0.0171	
	Nitrate																1.4774	1.1	1.94	
	pH																		5.14	
	Potassium																27.7	1.87	1.3	
	Selenium																0.0056	ND	ND	
	Silver																ND	ND	ND	
	Sodium																8.49	4.21	5.15	
	Spec. Cond.																			92
	Sulfate																7.07	6.28	5.94	
	TDS																108	72	96	
	Thallium																ND	ND	ND	
Turbidity																4880	1600	NT		
Vanadium																0.124	0.0093	0.00545		
Zinc																0.334	0.0938	0.0493		

NEW MONITORING WELL
Sampling Started in Fall 2010

NT: Not Tested

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ND: Not Detected

Note: MCL exceedances are indicated in Red

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location MW11B	Alkalinity																100	69	65	
	Ammonia																ND	ND	ND	
	Antimony																ND	ND	ND	
	Arsenic																ND	ND	ND	
	Barium																0.0744	0.0194	0.0188	
	Beryllium																ND	ND	ND	
	Cadmium																ND	ND	ND	
	Calcium																34.4	15.4	14.9	
	Chloride																4.18	4.79	4.38	
	Chromium																0.0082	ND	ND	
	Cobalt																0.005	ND	ND	
	COD																ND	ND	ND	
	Copper																0.0131	ND	ND	
	Hardness																94	66	58	
	Iron																6.97	ND	ND	
	Lead																ND	ND	ND	
	Magnesium																8.36	6.63	6.3	
	Manganese																0.167	0.012	0.0107	
	Mercury																ND	ND	ND	
	Nickel																0.009	ND	ND	
	Nitrate																2.307	2.33	2.19	
	pH																			6.13
	Potassium																2.5	0.888	0.93	
	Selenium																ND	ND	ND	
	Silver																ND	ND	ND	
	Sodium																12.6	9.1	8.49	
	Spec. Cond.																			123
	Sulfate																ND	ND	ND	
	TDS																156	132	116	
	Thallium																ND	ND	ND	
Turbidity																72.4	4.99	NT		
Vanadium																0.0229	ND	ND		
Zinc																0.0209	ND	ND		

NEW MONITORING WELL
Sampling Started in Fall 2010

NT: Not Tested

NS: Not Sampled

ND: Not Detected

Note: MCL exceedances are indicated in Red

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011
Monitoring Location MW12	Alkalinity																15	16	22
	Ammonia																ND	ND	ND
	Antimony																ND	ND	ND
	Arsenic																ND	ND	ND
	Barium																1.32	0.749	0.615
	Beryllium																ND	ND	ND
	Cadmium																ND	ND	ND
	Calcium																82	78.8	65.6
	Chloride																374	371	286
	Chromium																0.1	ND	ND
	Cobalt																0.0492	ND	ND
	COD																ND	ND	ND
	Copper																0.109	0.0111	0.00629
	Hardness																360	356	280
	Iron																100	2.59	1.22
	Lead																0.0616	ND	0.0106
	Magnesium																69.5	43.1	29.1
	Manganese																3.02	0.138	0.103
	Mercury																ND	ND	ND
	Nickel																0.0938	0.0113	0.00795
	Nitrate																5.0188	4.38	4.87
	pH																		4.66
	Potassium																23.1	5.14	4.12
	Selenium																0.0062	ND	ND
	Silver																ND	ND	ND
	Sodium																81.5	104	73.7
	Spec. Cond.																		836.7
	Sulfate																14.7	14.3	15.5
	TDS																1520	1184	1020
	Thallium																ND	ND	ND
Turbidity																3920	57.4	NT	
Vanadium																0.085	ND	ND	
Zinc																0.269	0.0352	0.0306	

NEW MONITORING WELL
Sampling Started in Fall 2010

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Note: MCL exceedances are indicated in Red

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location MW13A	Alkalinity																50	224	34	
	Ammonia																ND	ND	ND	
	Antimony																ND	ND	ND	
	Arsenic																ND	ND	ND	
	Barium																0.332	0.199	0.273	
	Beryllium																ND	ND	ND	
	Cadmium																ND	ND	ND	
	Calcium																26.5	23.8	24.5	
	Chloride																84.3	83.5	85.1	
	Chromium																0.024	ND	ND	
	Cobalt																0.029	0.0079	0.0114	
	COD																34.6	ND	ND	
	Copper																0.071	0.0121	0.0137	
	Hardness																160	128	125	
	Iron																28.3	3.32	2.96	
	Lead																0.0112	ND	0.00686	
	Magnesium																23.5	20.7	19.7	
	Manganese																0.876	0.302	0.376	
	Mercury																0.00032	0.00026	0.00062	
	Nickel																0.0345	0.01	0.00966	
	Nitrate																2.48	2.29	2.17	
	pH																			4.79
	Potassium																8.65	3.03	2.72	
	Selenium																ND	ND	ND	
	Silver																ND	ND	ND	
	Sodium																17.6	16.1	15.5	
	Spec. Cond.																			303
	Sulfate																ND	ND	ND	
	TDS																380	324	456	
	Thallium																ND	ND	ND	
Turbidity																1048	56.8	NT		
Vanadium																0.0626	0.0099	0.00944		
Zinc																0.0902	0.0194	0.0224		

NEW MONITORING WELL
Sampling started in Fall 2010

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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	
Monitoring Location MW13B	Alkalinity																230	720	226	
	Ammonia																ND	ND	ND	
	Antimony																ND	ND	ND	
	Arsenic																ND	ND	ND	
	Barium																0.0676	0.073	0.0706	
	Beryllium																ND	ND	ND	
	Cadmium																ND	ND	ND	
	Calcium																82.7	80.5	83.4	
	Chloride																84.6	84.7	85.5	
	Chromium																ND	ND	ND	
	Cobalt																ND	ND	ND	
	COD																6.2	9.6	3.4	
	Copper																0.0063	ND	ND	
	Hardness																360	313	67	
	Iron																0.571	ND	ND	
	Lead																ND	ND	ND	
	Magnesium																27.6	31.4	31.2	
	Manganese																0.0306	0.0323	0.0324	
	Mercury																0.0002	ND	ND	
	Nickel																ND	ND	ND	
	Nitrate																1.467	1.62	1.6	
	pH																			5.85
	Potassium																3.3	4.07	3.53	
	Selenium																ND	ND	ND	
	Silver																ND	ND	ND	
	Sodium																19.9	18.2	17.9	
	Spec. Cond.																			586.8
	Sulfate																6.18	ND	6.71	
	TDS																540	572	640	
	Thallium																ND	ND	ND	
Turbidity																0.232	0.364	NT		
Vanadium																ND	ND	ND		
Zinc																ND	ND	ND		

NEW MONITORING WELL
Sampling Started in Fall 2010

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Note: MCL exceedances are indicated in Red

Appendix E

Table of Groundwater Elevations and Groundwater Elevation Contour Map

Results in (ft. AMSL)

TABLE 5 - Water Table Elevations Gude Landfill

Monitoring Well	Well Elevation (ft)	Spring 2010 Water Elevation (ft)	Fall 2010 Water Elevation	Spring 2011 Water Elevation (ft)	Fall 2011 Water Elevation (ft)	Elevation Change From Spring 2010	FALL 2011 Measured Water Level From Ground Level (ft)
OB01	415.90	404.8	399.65	402.30	401.80	0.5	14.1
OB02	418.48	405.88	400.98	404.18	400.28	3.9	18.2
OB02A	418.61	407.46	401.01	404.51	400.51	4.0	18.1
OB03	409.86	392.46	385.66	390.96	385.71	5.3	24.15
OB03A	410.06	392.46	385.66	390.26	386.06	4.2	24
OB04	364.21	360.71	358.71	359.71	359.21	0.5	5
OB04A	365.37	361.17	359.37	360.47	359.82	0.7	5.55
OB06	339.78	332.93	329.08	332.88	328.28	4.6	11.5
OB07	329.49	324.89	320.39	323.99	320.19	3.8	9.3
OB7A	328.44	323.94	319.84	323.24	319.79	3.4	8.65
OB08	325.11	320.91	318.01	318.91	318.31	0.6	6.8
OB08A	325.31	319.21	317.61	318.81	317.91	0.9	7.4
OB10	325.77	319.97	318.27	318.97	318.72	0.3	7.05
OB102	363.17	353.17	349.97	352.52	349.47	3.0	13.7
OB105	363.45	361.15	359.85	360.85	360.25	0.6	3.2
OB11	362.56	355.96	353.26	355.16	353.56	1.6	9
OB11A	361.90	355.9	352.70	354.20	353.30	0.9	8.6
OB12	405.01	390.71	386.81	389.91	386.21	3.7	18.8
OB015	410.01	392.71	387.01	391.71	386.81	4.9	23.2
OB025	361.89	355.69	352.79	355.59	353.19	2.4	8.7
MW1B	434.00		388.10	385.90	385.55	0.3	48.45
MW2A	445.53		381.53	375.33	377.68	-2.4	67.85
MW2B	444.45		381.55	374.95	377.65	-2.7	66.8
MW3A	324.54		314.39	315.84	315.14	0.7	9.4
MW3B	324.73		316.13	317.63	293.13	24.5	31.6
MW04	324.75		317.90	318.25	318.10	0.1	6.65
MW06	417.29		400.59	401.20	402.24	-1.0	15.05
MW07	433.81		389.51	392.41	388.01	4.4	45.8
MW08	412.66		388.86	394.76	389.56	5.2	23.1
MW09	417.69		398.19	401.49	397.39	4.1	20.3
MW10	394.03		385.13	390.33	385.03	5.3	9
MW11A	393.45		375.85	382.05	376.35	5.7	17.1
MW11B	393.40		374.95	379.10	376.30	2.8	17.1
MW12	397.55		382.20	384.55	382.10	2.4	15.45
MW13A	373.37		365.97	367.67	366.77	0.9	6.6
MW13B	373.35		366.95	368.45	367.65	0.8	5.7
AVERAGE WATER ELEVATION CHANGE (ft)					2.1	2.8	

NOTES:

- Elevations are from Sea Level

FALL 2011

General Groundwater Flow Direction at Gude Landfall - FALL 2011

