DEPARTMENT OF ENVIRONMENTAL PROTECTION

Isiah Leggett
County Executive

Robert Hoyt
Director

June 22, 2010

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DEPT OF ENVIRONMENTAL PROTECTION

JUN 23 2010

DIVISION OF SOLID WASTE SERVICES

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 March 2010. 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.

This report provides a summary of the results for water quality monitoring performed for the semiannual period from September 2009 to March 2010. It contains sampling results and analysis for 20 monitoring wells and 5 stream locations. In general, 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 attached tables, diagrams, and enclosed CD for additional information.

VOLATILE ORGANIC COMPOUNDS:

The highlights of the results for this reporting period are listed below. Please refer to Table 1 of this report for all the VOC results.

- No VOCs were detected above recommended Maximum Contaminant Level (MCL) in monitoring wells OB02, OB02A, OB3A, OB04, OB04A, OB06, OB07, OB07A, OB102, OB105, and OB25.
- No VOCs were detected above the recommended MCL in any of the monitored stream locations.

- A total of 19 VOCs exceeded the recommended MCL in monitoring locations OB01 (with 1 exceedance), OB03 (with 2 exceedances), OB08 (with 1 exceedance), OB08A (with 1 exceedance), OB10 (with 2 exceedances) OB11 (with 4 exceedances), OB11A (with 4 exceedances), OB12(with 3 exceedances), and OB015 (with 1 exceedance).
- 68% of the MCL exceedances were detected at observation wells OB10, OB11/OB11A, and OB12. All located on the south side (front side) of the landfill.
- cis-1,2-Dichloroethene concentration exceeded the MCL of 70 ug/l in observation wells OB11 and OB11A. Concentrations exceeding the MCL for this compound were 123 ug/l in OB11 and 113 ug/l in OB11A.
- Tetrachloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB11, OB11A, and OB12. Concentrations exceeding MCL for this compound ranged from 20 ug/l in OB12, 26.3 ug/l in OB11A, and 35.6 ug/l in OB11.
- Trichloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB10, OB11, OB11A, and OB12. Concentrations exceeding the MCL for this compound ranged from 5.27 ug/l at OB10 to 31.2 ug/l at OB11.
- Vinyl Chloride concentration exceeded the MCL of 2 ug/l in observation wells OB01, OB03, OB03A, OB08, OB08A, OB10, OB11, OB11A, OB12, and OB015. Concentrations exceeding the MCL for this compound ranged from 2.39 ug/l in OB10 to 10.2 ug/l in OB11A.

METALS AND INDICATORS:

The highlights of the results for this reporting period are listed below. Please refer to Table 3 of this report for all the metals and other water quality parameters results.

- A total of 9 metal analysis exceeded the recommended MCL in monitoring locations OB06 (with 1 exceedance), OB11 (with 1 exceedance), OB11A (with 2 exceedance), and OB25 (with 5 exceedances).
- No metal contaminants were detected above the recommended MCL in any of the monitored stream locations.
- Arsenic with a recommended MCL of 0.01 mg/l was exceeded in OB25 with a concentration of 0.012 mg/l.
- Beryllium with a recommended MCL of 0.004 mg/l was exceeded in OB25 with a concentration of 0.0057 mg/l.
- Cadmium concentrations above the recommended MCL of 0.005 mg/l were detected in OB11 at 0.0058 mg/l, OB11A at 0.0101 mg/l, and in OB25 with a concentration of 0.0072 mg/l.
- Chromium with a recommended MCL of 0.1 mg/l was exceeded in OB25 with a concentration of 0.141 mg/l.
- Lead with concentration above the recommended MCL of 0.015 mg/l detected in samples collected from observation well OB25 at 0.0358 mg/l.
- Mercury with concentrations above the recommended MCL of 0.002 mg/l detected in samples collected from observation wells OB06 at 0.0029 mg/l and OB11A at 0.0023 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

June 2010

Report Period: Spring 2010

Prepared by Montgomery County Department of Environmental Protection

Prepared for Maryland Department of Environment, Solid Waste Program

June 3, 2010

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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.

To monitor the quality of ground and surface water, the Montgomery County Department of Environmental Protection (DEP) collects samples at a total of 25 monitoring sites, which include 20 observation wells and 5 stream locations. Locations of these monitoring sites can be found on the attached aerial photo titled Groundwater and Surface Water Monitoring Locations in Appendix A. Sampling and analysis are conducted semi-annually and include laboratory analysis for Volatile Organic Compounds (VOCs), Heavy Metals, field parameters (temperature, pH, conductivity) and other water quality parameters and indicators.

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

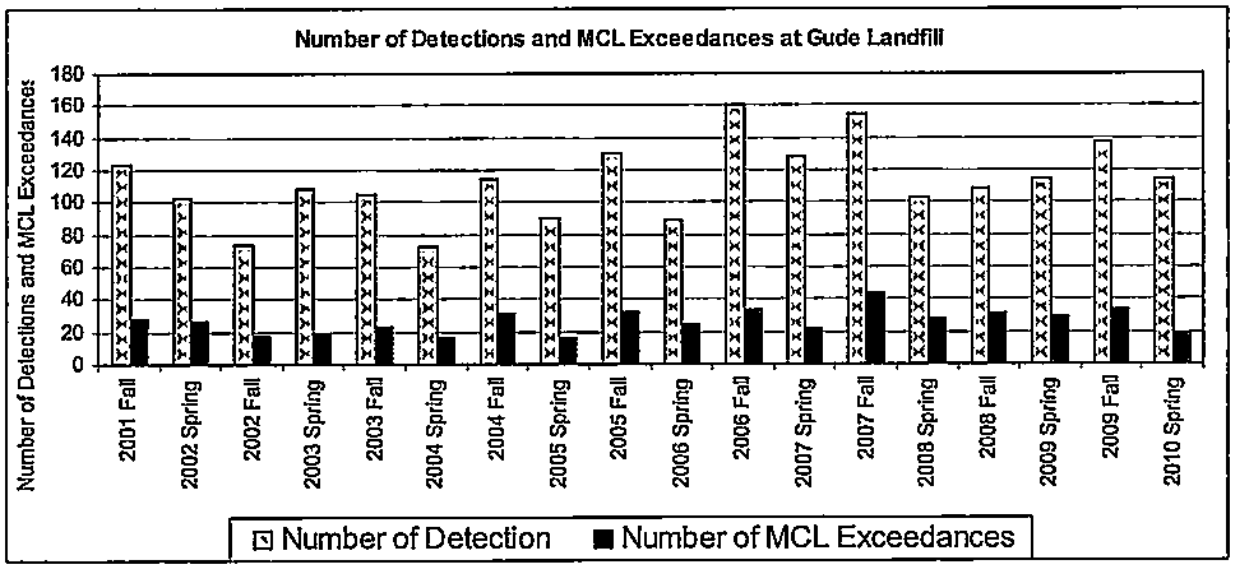
- VOC sampling results;
- Metals sampling results;
- Groundwater elevation and flow;
- Trends Analysis/Conclusions

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

1. Volatile Organic Chemical Sampling Results:

The following is a summary of monitoring results obtained for this reporting period.

- The concentrations of VOCs in groundwater are similar to those that were recorded during the past monitoring activities.
- Results obtained for this reporting period are comparable with previously recorded observations in both number of detections and concentrations of contaminants for both PQL (Practical Quantitative Limit) and MCL (Maximum Contaminant Level).



- No VOCs were detected above recommended Maximum Contaminant Level (MCL) in monitoring wells OB02, OB02A, OB3A, OB04, OB04A, OB06, OB07, OB07A, OB102, OB105, and OB25.
- No VOCs were detected above the recommended MCL in any of the monitored stream locations.
- A total of 19 VOCs exceeded the recommended MCL in monitoring locations OB01 (with 1 exceedance), OB03 (with 2 exceedances), OB08 (with 1 exceedance), OB08A (with 1 exceedance), OB10 (with 2 exceedances) OB11 (with 4 exceedances), OB11A (with 4 exceedances), OB12(with 3 exceedances), and OB015 (with 1 exceedance).
- 68% (13 out of 19) of the MCL exceedances were detected at observation wells OB10, OB11/OB11A, and OB12. All located on the south side (front side) of the landfill.
- Consistent with prior monitoring results, more than 40% of all the MCL exceedances (8 out of 19) were detected at observation wells OB11/OB11A.
- cis-1,2-Dichloroethene concentration exceeded the MCL of 70 ug/l in observation wells OB11 and OB11A. Concentrations exceeding the MCL for this compound were 123 ug/l in OB11 and 113 ug/l in OB11A.
- Tetrachloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB11, OB11A, and OB12. Concentrations exceeding MCL for this compound ranged from 20 ug/l in OB12, 26.3 ug/l in OB11A, and 35.6 ug/l in OB11.
- Trichloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB10, OB11, OB11A, and OB12. Concentrations exceeding the MCL for this compound ranged from 5.27 ug/l at OB10 to 31.2 ug/l at OB11.
- Vinyl Chloride concentration exceeded the MCL of 2 ug/l in observation wells OB01, OB03, OB03, OB08, OB08A, OB10, OB11, OB11A, OB12, and OB015. Concentrations exceeding the MCL for this compound ranged from 2.39 ug/l in OB10 to 10.2 ug/l in OB11A.
- The presence of the above listed compounds, in terms of number and concentration, is similar and consistent with prior monitoring results. Results for all of the VOCs can be found in Table-1 and Table-2 in Appendix B of this report. Table-1 contains the results from the March 2010 sampling event. Table 2 shows the monitoring results for the past several years.

2. Inorganic and Metals Sampling Results:

The highlights of the results for this reporting period are listed below.

- A total of 9 metal analysis exceeded the recommended MCL in monitoring locations OB06 (with 1 exceedance), OB11 (with 1 exceedance), OB11A (with 2 exceedance), and OB25 (with 5 exceedances).
- No metal contaminants were detected above the recommended MCL in any of the monitored stream locations.
- Arsenic with a recommended MCL of 0.01 mg/l was exceeded in OB25 with a concentration of 0.012 mg/l.
- Beryllium with a recommended MCL of 0.004 mg/l was exceeded in OB25 with a concentration of 0.0057 mg/l.

- Cadmium concentrations above the recommended MCL of 0.005 mg/l were detected in OB11 at 0.0058 mg/l, OB11A at 0.0101 mg/l, and in OB25 with a concentration of 0.0072 mg/l.
- Chromium with a recommended MCL of 0.1 mg/l was exceeded in OB25 with a concentration of 0.141 mg/l.
- Lead with concentration above the recommended MCL of 0.015 mg/l detected in samples collected from observation well OB25 at 0.0358 mg/l.
- Mercury with concentrations above the recommended MCL of 0.002 mg/l detected in samples collected from observation wells OB06 at 0.0029 mg/l and OB11A at 0.0023 mg/l.

Overall, the results indicate comparable concentrations for metals 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 for the first time. These new 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 three monitoring rounds are included in Table-5 of this report. The results indicate that the groundwater elevation at Gude Landfill has increased by an overall average of 4.3 ft from September 2009 to March 2010. This is consistent with increased seasonal groundwater elevation during the spring season. Based on the groundwater elevation measurements obtained from the limited number of observation wells down gradient form the perimeter of the landfill, it appears that the groundwater flow at Gude Landfill is consistent with the topography in this area.

5. Conclusions/Trend Analysis:

Results obtained from the latest monitoring activities (September 2009 to March 2010) 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.

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. Most of the contaminants (about 70%) are detected at observation wells OB11/OB11A located on the south side (front side) of the landfill and observation wells OB03/OB03A located on the north side (back side) of the landfill. (Observation wells OBxx/OBxxA are adjacent wells with different depths and are constructed within several feet apart.)

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.

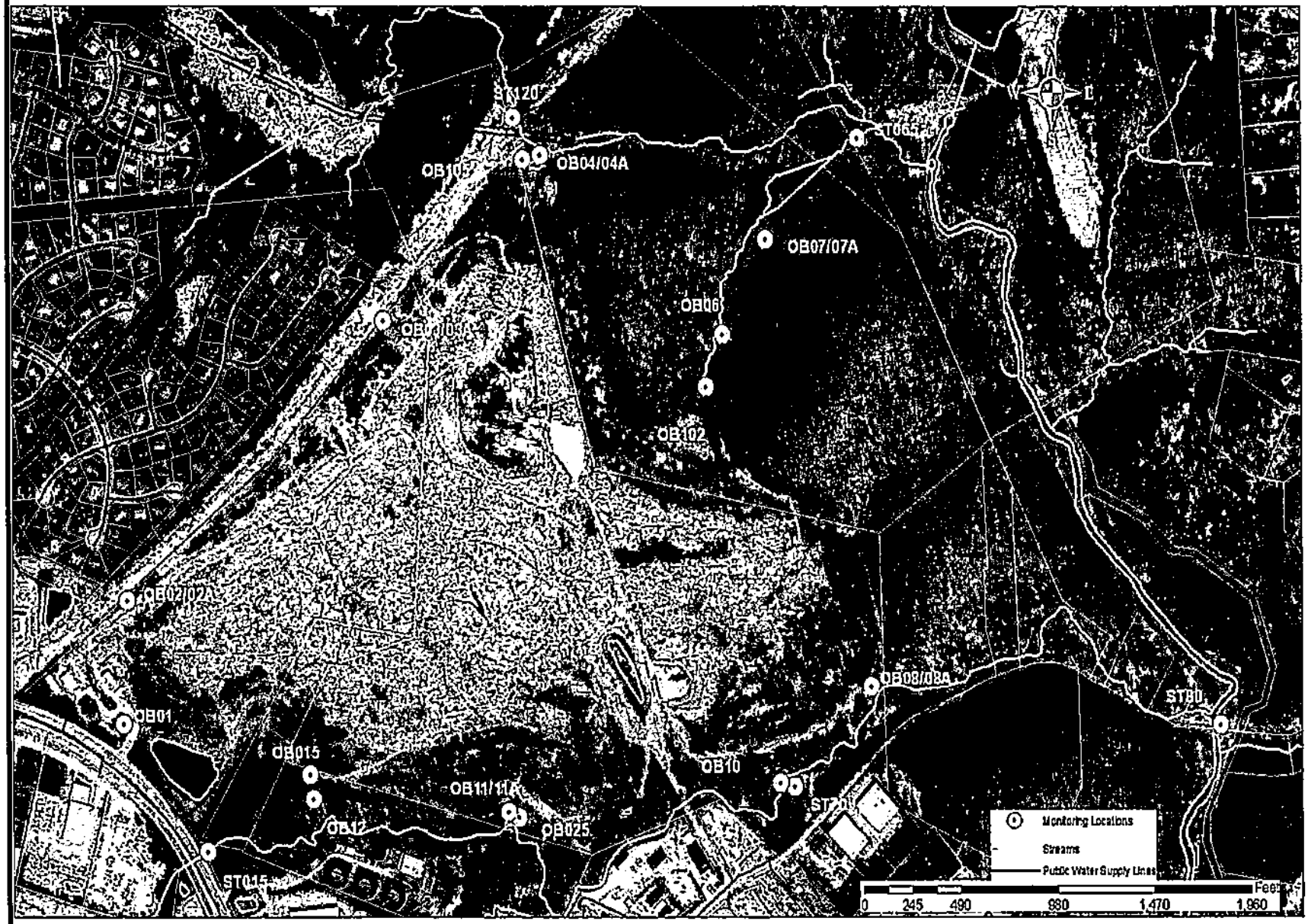
- Most of the detected groundwater contaminants at Gude Landfill are Volatile Organic Compounds (VOCs). These low levels of VOCs detected in groundwater are generally not transported to surface waters.
- The overall number of detections per year has remained relatively constant over the past 7-8 year time period. However, the number of detections exceeding established MCLs appears to be increasing slightly over the same 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, about 70 % of all detections exceeding MCL have occurred in observation wells OB03-OB03A and OB11-OB11A.

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 (µg/l)

TABAL 1 - Volatile Organic Compounds

	Parameter	OB01	OB02	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07
March 2010	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	0.75	ND	ND	13.2	3.23	0.35	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-chloropropa	ND	ND	ND	ND	ND	0.45	ND	ND	0.54
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	1	ND	ND	0.83	0.42	0.46	0.47	ND	0.47
	1,2-Dichloroethane	0.46	ND	ND	1.24	ND	ND	ND	ND	ND
	1,2-Dichloropropane	0.59	ND	ND	3.6	0.92	0.52	0.57	ND	ND
	1,4-Dichlorobenzene	2.81	0.48	0.33	11.7	5.92	5.92	6.97	ND	0.58
	2-Butanone	ND	ND	ND	ND	0.6	0.41	ND	0.57	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	0.18	ND	0.12	0.13	0.49	ND	0.14	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	0.39	ND	ND	1.83	1.2	1.6	1.65	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	1.57	ND	ND	7.22	5.21	1.18	1.14	0.66	ND
	Chloroethane	0.25	ND	ND	0.79	0.33	ND	ND	ND	ND
	Chloroform	0.92	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	0.65	31.7	6.23	16.8	21.7	1.82	1.3
	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	1.72	3.18	ND	ND
	Ethylbenzene	0.36	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	1.15	ND	ND	ND	ND
	ortho-Xylene	0.34	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	0.51	ND	ND	ND	ND	1.69	1.52	0.68	1.23
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	0.67	ND	ND	3.11	1.01	0.45	0.55	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	0.85	ND	ND	17.4	2.71	1.51	1.71	0.36	0.49
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	0.01	0.01	ND	0.01	0.01	ND	0.01	ND	ND
	Vinyl Chloride	2.77	ND	ND	7.84	1.99	1.26	1.83	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected,

TABAL 1 - Volatile Organic Compounds

	Parameter	OB07A	OB08	OB08A	OB10	OB102	OB105	OB11	OB11A	OB12
March 2010	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	0.46	0.44	ND	ND	ND	20.4	16.8	10.6
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	0.45	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropa	ND	0.54	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	0.59	0.32	ND	ND	ND	1.75	1.67	ND
	1,2-Dichloroethane	ND	0.36	0.38	ND	ND	ND	ND	2.7	0.63
	1,2-Dichloropropane	ND	1.19	1.47	1.26	ND	ND	4.9	4.18	2.93
	1,4-Dichlorobenzene	0.23	2.92	3.34	2.1	1.6	0.72	9.13	13.4	2.83
	2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	0.23	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	ND	0.21	ND	ND	ND	ND	ND	0.12	0.59
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	0.63	0.89	0.82	ND	ND	4.32	4.19	1.89
	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	0.24	ND	0.22	0.25	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	3.13	3.93	0.32	1.7	ND	28.3	21.3	0.92
	Chloroethane	ND	0.41	0.47	0.24	0.05	ND	ND	0.39	0.87
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.66	10.3	13.4	11.5	1.13	0.97	123	113	12.4
	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	7.21	2.4	11.3
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	0.38	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	0.44	0.42	ND	0.47	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.94	ND	ND	2.86	ND	ND	35.6	26.3	20
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	0.87	0.99	1.18	ND	ND	3.19	3.07	1.62
	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	0.64	0.42	0.64	5.27	ND	ND	31.2	26.1	11.6
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	1.61	1.26	1.8
	Vinyl Acetate	0.01	0.02	0.01	ND	ND	ND	0.25	0.27	0.01
	Vinyl Chloride	ND	2.91	4.11	2.39	ND	ND	7.43	10.2	7.32

NT: Not Tested, NS: Not Sampled, ND: Not Detected,

TABAL 1 - Volatile Organic Compounds

	Parameter	OB015	OB25	ST015	ST120	ST65	ST70	ST80
March 2010	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	1.08	0.63	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropa	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	0.23	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	0.28	0.71	0.27	0.17	0.22	0.19	ND
	2-Butanone	ND	0.45	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	0.21	ND	ND
	Acetone	0.61	0.82	0.27	ND	ND	ND	0.69
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	0.23	ND	0.28	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	0.47	ND	ND	ND	ND	ND
	Chloroethane	0.05	0.17	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.18	4.52	0.78	ND	0.57	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	4.27	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	0.48	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	0.39	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	2.31	0.81	1.38	ND	0.27	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	0.01	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	3.55	0.38	ND	ND	ND	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected,

TABLE 2: Volatile Organic Compounds - Historical Results

Localio	Parameter	2002-S	2002-F	2003-S	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
OB01	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1-Dichloroethane	14.51	2.08	2.95	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
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NT	1
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.46
	1,2-Dichloropropane	2.92	ND	ND	2.34	1.16	1.88	ND	1.1	1.45	1.28	1.04	ND	ND	NS	ND	ND	0.59
	1,4-Dichlorobenzene	ND	ND	ND	1.75	ND	1.23	ND	1.37	ND	2.16	1.51	1.78	ND	NS	ND	1.94	2.81
	2-Butanone	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Acrylonitrile	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	ND	ND	ND	1.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.39
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NT	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	1.04	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.26	ND	1.21	ND	NS	ND	1.03	1.57
	Chloroethane	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.25
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.92
	Chloromethane	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND	ND	ND
	cis-1,2-Dichloroethene	25.37	6.14	13.94	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
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.36
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.34
	para-Xylene & meta-Xylene	ND	ND	ND	1.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Tetrachloroethene	1.61	ND	2.2	ND	ND	ND	ND	ND	ND	1.26	ND	ND	ND	NS	1.2	ND	0.51
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	trans-1,2-Dichloroethene	1.03	ND	ND	3.35	ND	1.08	ND	1.09	ND	1.13	ND	1.42	ND	NS	ND	ND	0.67
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
	Trichloroethene	5.41	3.11	3.85	12.71	4.37	5.77	1.03	2.49	2.25	2.34	1.52	1.44	ND	NS	ND	ND	0.85
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01
	Vinyl Chloride	NT	NT	NT	ND	NT	5.13	ND	4.4	3.32	5.26	1.42	4.75	1.31	NS	ND	ND	2.77

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
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	ND	ND	ND	1.48	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	1.13	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	1.28	ND	ND	ND	ND	ND	ND	ND	NT	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	ND	ND	ND	0.48
	2-Butanone	NT	NT	NT		NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.18
	Acrylonitrile	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	ND	ND	NT	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	1.33	ND	ND	ND	ND	ND	NT	NT	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	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	1.9	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
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	1.22	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	1.84	2.89	ND	ND	ND	1.67	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	ND	ND	ND	NT	NT	ND	ND
	Trichloroethene	ND	ND	ND	8.04	4.92	ND	1.36	2.04	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	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01
	Vinyl Chloride	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
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	1.84	4.14	5.4	5.99	1.77	1.24	ND	1.1	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	ND	ND	ND	NT	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	1.24	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	ND	ND	ND	0.33
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	ND	ND	2.76	3.5	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	ND	ND	NT	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	ND	ND	ND	NT	NT	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	NT	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	40.15	143.07	162.61	189.59	66.86	48.26	19.58	43.45	6.9	ND	ND	5.96	ND	6.87	9.19	ND	0.65
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	6.6	12.1	1.52	1.05	2.46	1.45	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	1.2	1.67	3.37	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	ND	ND	ND	NT	NT	ND	ND
	Trichloroethene	3.57	5.06	26.98	30.84	9.27	6.68	5.14	4.6	2.27	ND	ND	1.57	ND	1.39	1.01	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	NT	NT	ND
	Vinyl Chloride	NT	NT	NT	NT	NT	3.45	1.39	1.74	ND	ND	ND	ND	ND	ND	ND	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	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
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
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	4.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	58.99	2.94	27.3	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
	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	1.63	ND	ND	ND	ND	ND	ND	ND	1.07	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	1.64	ND	1.36	3.27	ND	2.44	1.4	1.41	ND	2.1	1.51	2.83	1.82	1.34	ND	NT	0.83
	1,2-Dichloroethane	3.49	ND	ND	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
	1,2-Dichloropropane	12.62	ND	6.32	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
	1,4-Dichlorobenzene	6.51	ND	11.14	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
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.12
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	9.03	ND	5.17	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
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	2.12	ND	1.3	ND	1.03	ND	ND	ND	ND	ND	NT	NT	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	1.36	ND	6.95	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
	Chloroethane	2.19	ND	1.92	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
	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	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	88.85	11.41	48.32	86.56	47.05	67.11	56.21	98.51	71.67	128.85	87.59	146.91	161.47	120.9	164.77	156	31.7
	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	13.2	ND	ND	ND	6.33	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	5.57	ND	2.05	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	1.33	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	90.52	ND	6.99	61.22	1.65	26.04	3.06	23.14	1.85	22.97	ND	27.73	ND	ND	4.49	ND	ND
	Toluene	1.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.46	ND	ND	1.49	ND
	trans-1,2-Dichloroethene	5.66	ND	2.67	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
	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	ND	ND	ND	NT	NT	ND	ND
	Trichloroethene	90.07	4.5	47.33	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
	Trichlorofluoromethane	6.87	ND	2.36	2.87	ND	ND	3.3	2.44	3.18	4.34	ND	ND	ND	ND	ND	4.88	ND
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01
	Vinyl Chloride	NT	NT	NT	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

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-F	2002-S	2003-F	2003-S	2004-F	2004-S	2005-F	2005-S	2006-F	2006-S	2007-F	2007-S	2008-Firs	2008-S	2009-F	2009-F	2010-S
	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	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	ND	ND
	1,1,2-Trichloroethane	4.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	74.57	93.16	1.67	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
	1,1-Dichloroethene	1.22	1.11	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	2.18	ND	1.1	ND	ND	2	ND	1.54	ND	2.11	1.23	2.07	2	1.65	ND	NT	0.42
	1,2-Dichloroethane	4.55	4.87	ND	ND	ND	2.77	ND	3.3	1.82	3.59	1.33	5.52	5.07	4.4	4.1	ND	ND
	1,2-Dichloropropane	16.5	15.18	ND	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
	1,4-Dichlorobenzene	8.57	8.67	7.48	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
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.6
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.13
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	11.29	8.07	5.51	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
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	ND	ND	ND	NT	NT	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB03A	Chlorobenzene	1.29	ND	10.5	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
	Chloroethane	2.92	2.45	ND	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
	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	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	137.87	130.79	2.57	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
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	1.39	1.15
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	102.1	74.03	1.65	ND	ND	41.02	ND	30.99	ND	29.4	ND	33.23	1.66	26.21	3.67	7.11	ND
	Toluene	ND	ND	1.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.05	ND	ND	ND	ND
	trans-1,2-Dichloroethene	8.78	8.22	ND	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
	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	ND	ND	ND	NT	NT	ND	ND
	Trichloroethene	113.5	111.71	1.26	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
	Trichlorofluoromethane	8.19	7.16	ND	ND	ND	3.01	ND	ND	ND	3.77	ND	ND	ND	ND	ND	3.08	ND
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01
	Vinyl Chloride	NT	NT	NT	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

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	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
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	ND	ND	ND	0.35
	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	0.45
	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	ND	ND	ND	NT	0.46
	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	0.52
	1,4-Dichlorobenzene	ND	ND	ND	1.98	ND	2.22	ND	5.11	ND	5.96	5.53	6.19	ND	ND	ND	6.06	5.92
	2-Butanone	NT	NT	NT	NT	NT	ND	11.51	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.41
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.49
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	1.33	ND	1.65	1.7	1.85	ND	1.21	1.68	1.62	1.6
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	1.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	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	1.11	1.05	1.19	ND	ND	ND	1.09	1.18
	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	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	5.41	4.87	4.85	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
	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	2.53	ND	1.48	1.6	1.42	ND	ND	1.42	1.93	1.72
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	4.08	1.33	1.96	3.16	ND	1.52	ND	1.15	ND	2.23	1.93	2.07	ND	1.34	1.99	1.25	1.69
	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	0.45
	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	ND	ND	ND	NT	NT	ND	ND
	Trichloroethene	2.7	1.15	ND	1.55	ND	1.88	ND	1.71	ND	2.19	1.82	2.12	ND	1.4	1.82	1.66	1.51
	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	NT	NT	ND
	Vinyl Chloride	NT	NT	NT	NT	NT	ND	ND	1.57	ND	1.33	1.23	1.7	ND	ND	1.47	1.53	1.26

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
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
	1,1,2,2-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	ND	ND	ND	NT	0.47
	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	0.57
	1,4-Dichlorobenzene	5.76	4.02	6.45	6.47	ND	5.66	5.63	ND	4.58	7.3	6.87	7.42	ND	4.46	ND	7.33	6.97
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	1.81	ND	1.48	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
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	ND	ND	ND	NT	NT	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	1.08	1.02	1.17	ND	ND	1.07	1.14	1.14
	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	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	26.49	18.02	19.38	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
	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	2.44	ND	ND	ND
	Dichloromethane	4.09	2.3	1.97	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
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	3.55	1.44	2.37	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
	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	0.55
	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	ND	ND	ND	NT	NT	ND	ND
	Trichloroethene	2.97	1.54	1.7	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
	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	NT	NT	0.01
	Vinyl Chloride	NT	NT	NT	NT	NT	1.49	1.43	ND	ND	1.15	1.08	2.02	1.37	1.39	1.65	2.12	1.83

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	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
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
	1,1,2,2-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	11	ND	ND	ND	ND	ND	NT	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	1.46	1.46	ND	1.32	ND	1.08	ND	11	ND	1.44	1.03	ND	ND	1.43	ND
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	ND	0.57
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT	ND	0.14
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	ND	ND	NT	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	1.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	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	0.66
	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	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	2.78	1.33	2.87	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
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.52	ND	1.81	ND	ND	ND	ND	ND	ND	1.11	1.15	ND	ND	1.01	ND	ND	0.68
	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	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.36
	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	NT	NT	ND
	Vinyl Chloride	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
OB07	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	3.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.54
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	1.76	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	NS	ND	NT	0.47
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	1.75	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	NS	ND	ND	0.58
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NT	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	2.13	4.62	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.81	ND	ND	ND	NS	1.45	1.63	1.3
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	1.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Tetrachloroethene	1.54	ND	2.28	ND	ND	ND	ND	ND	ND	1.68	ND	ND	ND	NS	1.3	ND	1.23
	Toluene	2.09	1.11	2.62	ND	1.43	1.88	1.14	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.49
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
	Vinyl Chloride	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	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
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	ND	ND	11	ND	ND	ND	ND	ND	NT	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	11	ND	ND	ND	ND	ND	ND	0.23
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	ND	ND	NT	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	1.06	8.93	ND	ND	ND	ND	ND	ND	NT	NT	NT	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	NT	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	3.43	2.06	2.56	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
	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	ND	ND	ND	ND	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	4.64	1.95	3.49	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
	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	ND	ND		NT	NT	ND	ND
	Trichloroethene	1.61	ND	1.09	1.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.64
	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	NT	NT	0.01
	Vinyl Chloride	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
OB08	1,1,1,2-Tetrachloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	16.91	ND	NS	ND	ND	ND	ND	ND	ND	1.23	ND	ND	ND	ND	1.2	0.46
	1,1-Dichloroethene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54
	1,2-Dibromoethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	1.61	ND	NS	ND	ND	1.01	ND	NT	ND	ND	ND	ND	ND	ND	NT	0.59
	1,2-Dichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	0.36
	1,2-Dichloropropane	ND	2.5	ND	NS	ND	ND	ND	ND	ND	1.78	1.59	1.67	ND	ND	1.24	1.16	1.19
	1,4-Dichlorobenzene	ND	6.39	ND	NS	ND	ND	ND	ND	NT	2.1	3.35	3.16	ND	ND	ND	2.15	2.92
	2-Butanone	NT	NT	NT	NS	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NS			NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	2.7	0.21
	Acrylonitrile	NT	NT	NT	NS			NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	ND	1.21	ND	NS	ND	ND	ND	ND	ND	1.09	ND	ND	ND	ND	ND	ND	0.63
	Bromochloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Bromodichloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24
	Carbon disulfide	ND	1.25	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Carbon Tetrachloride	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	5.15	ND	NS	ND	ND	ND	ND	ND	4.81	4.14	4.04	ND	ND	22.02	1.95	3.13
	Chloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41
	Chloroform	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	2.52	29.93	2.08	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
	cis-1,3-Dichloropropene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	2.63	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.38
	Methyl Tertiary Butyl Ether	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	0.44
	ortho-Xylene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	28.07	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	NS	ND	ND	ND	ND	ND	1.22	1.11	1.26	ND	ND	ND	ND	0.87
	trans-1,3-Dichloropropene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	ND	21.35	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42
	Trichlorofluoromethane	ND	3.01	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.02
	Vinyl Chloride	NT	NT	NT	NS	NT	ND	ND	ND	ND	2.67	2.47	2.98	ND	ND	2.04	2.35	2.91

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	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
OB08A	1,1,1,2-Tetrachloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	1.48	34.39	ND	NS	ND	ND	ND	ND	ND	ND	1.43	1.05	ND	ND	ND	1.47	0.44
	1,1-Dichloroethene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.07	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	3.01	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.32
	1,2-Dichloroethane	ND	3.05	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38
	1,2-Dichloropropane	1.39	6.61	ND	NS	ND	ND	ND	ND	ND	2.53	2.17	2.33	1.22	ND	2.11	2.02	1.47
	1,4-Dichlorobenzene	ND	10.04	ND	NS	ND	ND	ND	ND	ND	5.86	4.47	4.75	ND	ND	ND	3.97	3.34
	2-Butanone	NT	NT	NT	NS	NT	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Acrylonitrile	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	ND	10.31	ND	NS	ND	ND	ND	ND	ND	1.39	1.23	1.26	ND	ND	1.09	1.03	0.89
	Bromochloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Bromodichloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Carbon Tetrachloride	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	63.67	ND	NS	ND	ND	ND	ND	ND	5.54	4.84	4.64	2.27	ND	3.43	3.38	3.93
	Chloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47
	Chloroform	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	13.9	72.56	8.9	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
	cis-1,3-Dichloropropene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	27.89	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	0.42
	ortho-Xylene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	58.78	1.12	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	4.05	ND	NS	ND	ND	ND	ND	ND	1.79	1.45	1.89	ND	ND	1.48	1.37	0.99
	trans-1,3-Dichloropropene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	8.2	61.1	4.88	NS	1.32	2.34	ND	2.44	2.26	3.72	1.51	2.3	ND	ND	1.52	1.29	0.64
	Trichlorofluoromethane	ND	7.61	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01
	Vinyl Chloride	NT	NT	NT	NS	NT	ND	ND	ND	ND	4.03	3.44	4.8	1.6	ND	5.16	6.5	4.11

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
OB010	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	1.58	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	3.2	3.06	3.18	2.23	3.88	3.7	1.99	2.99	ND	ND	2.2	4.99	1.04	1.51	ND	3.49	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	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	5.71	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	11	ND	1.19	ND	ND	ND	NT	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	2.03	2.72	1.88	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
	1,4-Dichlorobenzene	ND	1.38	4.52	1.2	1.28	2.43	2.03	2.53	ND	11	1.02	6.22	ND	ND	ND	4.84	2.1
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	1.67	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	ND	2.36	1.95	1.18	1.77	2.14	ND	1.87	ND	ND	ND	2.86	ND	1.1	ND	1.72	0.82
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	0.22
	Carbon disulfide	ND	ND	1.75	ND	ND	1.25	ND	ND	ND	ND	ND	1.03	NT	NT	NT	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	1.01	ND	ND	ND	ND	0.32
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24
	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	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	35.9	42.63	22.43	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
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	2.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	12.02	ND	9.45	ND	6.03	ND	2.28	ND	ND	ND	2.47	ND	ND	ND	ND	1.03	2.86
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	1.86	1.79	ND	ND	1.8	1.07	1.96	ND	ND	ND	5.04	1.12	1.49	ND	2.39	1.18
	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	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	25.98	44.94	14.45	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
	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	NT	NT	ND
	Vinyl Chloride	NT	NT	NT	NT	NT	9.43	5.66	9.35	ND	ND	2.43	16.03	2.15	12.62	ND	6.07	2.39

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
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
	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	12	ND	ND	ND	ND	ND	NT	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	1.05	ND	ND	1.78	2.32	ND	12	2.03	ND	1.81	1.43	ND	ND	1.6
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	ND	ND	NT	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	0.25
	Carbon disulfide	ND	ND	2.07	2.13	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	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	1.17	1.31	1.54	1.65	1.74	2.43	1.65	1.41	3.43	2.27	1.7
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
	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	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	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
	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	1.05	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	0.47
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	1.32	1.83	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	ND	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	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
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
	Vinyl Chloride	NT	NT	NT	NT	NT	2.98	ND	2.33	ND	1.11	ND	ND	ND	ND	ND	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
OB105	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	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	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	1.38	ND	1.03	ND	ND	ND	2.23	ND	1.46	ND	3.38	0.72
	2-Butanone	NS	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.23
	4-Methyl-2-Pentanone	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	1.27	ND
	Acrylonitrile	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	ND	ND	NT	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	ND	ND	ND	ND
	Carbon disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	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	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	NS	ND	ND	ND	ND	3.19	ND	3.71	ND	ND	ND	8.03	ND	7.14	ND	11.1	0.97
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.25	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	NT	NT	ND
	Vinyl Chloride	NS	NT	NT	NT	NT	1.01	ND	1.31	ND	ND	ND	2.04	ND	ND	ND	1.51	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
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	1.5	ND	1.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.52	ND	ND	ND
	1,1-Dichloroethane	15.45	ND	13.8	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
	1,1-Dichloroethene	ND	ND	ND	ND	1.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.89	1.03	0.45
	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	1.56	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	1.77	1.03	ND	ND	2.89	2.38	2.42	1.03	1.55	ND	NT	1.75
	1,2-Dichloroethane	ND	ND	ND	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
	1,2-Dichloropropane	2.38	ND	2.14	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
	1,4-Dichlorobenzene	ND	ND	ND	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
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	ND	ND	1.07	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
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.94	2.25	1.22	ND	ND	ND	NT	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	1.2	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	5.14	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
	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	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	25.68	1.7	26.92	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
	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	8.96	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
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.2	ND	6.41	2.67	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	36	ND	21.58	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
	Toluene	ND	ND	ND	ND	ND	1.45	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	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
	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	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	18.9	ND	17.31	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
	Trichlorofluoromethane	1.58	ND	1.72	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
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.25
	Vinyl Chloride	NT	NT	NT	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

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
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
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	60.97	1.43	13.69	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
	1,1-Dichloroethene	1.71	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	3.9	ND	1.11	1.76	ND	2.16	ND	1.99	ND	1.84	1.29	1.88	2.45	2.05	ND	NT	1.67
	1,2-Dichloroethane	4.55	ND	1.17	1.96	ND	2.59	ND	3.16	3.15	2.36	ND	5.76	5.34	4.48	3.6	ND	2.7
	1,2-Dichloropropane	10.71	1.19	2.59	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
	1,4-Dichlorobenzene	12.28	ND	4.33	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
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.12
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	17.54	ND	4.7	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
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	ND	ND	NT	NT	NT	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	102.7	ND	19.98	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
	Chloroethane	1.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39
	Chloroform	1.2	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	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	99.48	13.44	54.65	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
	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	52.22	ND	7.18	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
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.33	ND	5.76	2.49	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	115.7	ND	20.1	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
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	7.04	ND	2.01	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
	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	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	101.67	7.41	19.82	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
	Trichlorofluoromethane	9.27	ND	1.93	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
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.27
	Vinyl Chloride	NT	NT	NT	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

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	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
OB12	1,1,1,2-Tetrachloroethane	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	NS	ND	NS	NS	NS	NS	ND	11.6	2.66	4.97	2.74	12.73	8.14	12.72	10.97	22.7	10.6
	1,1-Dichloroethene	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	NS	ND	NS	NS	NS	NS	ND	ND	ND	11	ND	ND	ND	ND	ND	NT	ND
	1,2-Dichloroethane	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	1.59	ND	1.08	ND	ND	0.63
	1,2-Dichloropropane	NS	ND	NS	NS	NS	NS	ND	3.25	2.02	4.85	1.13	7.25	3.75	5.61	3.62	5.55	2.93
	1,4-Dichlorobenzene	NS	ND	NS	NS	NS	NS	ND	2.01	ND	11	1.5	3.77	ND	2.82	ND	4.18	2.83
	2-Butanone	NS	NT	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NS	NT	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.59
	Acrylonitrile	NS	NT	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	NS	ND	NS	NS	NS	NS	ND	1.58	ND	2.15	ND	3.54	1.89	2.66	1.82	2.63	1.89
	Bromochloromethane	NS	ND	NS	NS	NS	NS	ND	ND	ND	1.29	ND	ND	ND	ND	ND	NT	ND
	Bromodichloromethane	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Carbon Tetrachloride	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.21	0.92
	Chloroethane	NS	ND	NS	NS	NS	NS	7.36	1.27	2.69	1.03	ND	ND	ND	2.5	2.61	1.39	0.87
	Chloroform	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NS	NT	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	NS	ND	NS	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
	cis-1,3-Dichloropropene	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	NS	ND	NS	NS	NS	NS	ND	7.22	ND	12.3	1.72	6.16	9.35	6.24	4.91	8.27	11.3
	Ethylbenzene	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NS	NT	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	NS	ND	NS	NS	NS	NS	4.85	12.43	5.03	21.98	ND	23.67	16.57	21.49	7.95	15.4	20
	Toluene	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	NS	ND	NS	NS	NS	NS	ND	ND	ND	1.38	ND	2.68	1.42	1.52	1.23	1.91	1.62
	trans-1,3-Dichloropropene	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	NS	ND	NS	NS	NS	NS	10.18	14.72	13.99	17.23	ND	24.95	12.65	18.35	6.22	18.1	11.6
	Trichlorofluoromethane	NS	ND	NS	NS	NS	NS	ND	2.57	ND	2.26	ND	3.46	1.91	1.78	ND	2.42	1.8
	Vinyl Acetate	NS	NT	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01
	Vinyl Chloride	NS	NT	NS	NS	NS	NS	1.01	1.8	ND	6.32	1.54	2.9	6.72	3.97	6.99	6.3	7.32

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
OB15	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	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
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	1.34	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	NS	ND	11	ND	NS	ND	ND	ND	NT	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	1.07	NS	ND	11	ND	NS	ND	ND	ND	ND	0.28
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	NS	ND	6.45	ND	NS	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	NT	NS	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	NT	NT	NT	ND	0.61
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	NT	NS	NT	NT	NT	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	NT	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	1.77	ND	ND	NS	ND	ND	ND	NS	NT	NT	NT	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	0.05
	Chloroform	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	NT	NS	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	1.28	NS	1.1	1.51	1.17	1.51	1.18
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	Nt	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	NT	NS	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	0.48
	Toluene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	0.39
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	NT	NT	NT	ND	ND
	Trichloroethene	ND	ND	ND	1.57	1.24	1.42	ND	NS	2.73	1.75	1.16	NS	ND	ND	ND	ND	2.31
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	NT	NS	NT	NT	NT	NT	0.01
	Vinyl Chloride	NT	NT	NT	NT	NT	4.28	6.37	NS	6.33	11.66	18.4	NS	6.29	9.17	2.78	3.92	3.55

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
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	ND	ND	ND	1.13	0.63
	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	ND	ND	ND	NT	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	0.23
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.38	ND	ND	ND	3.16	0.71
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.45
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.82
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	ND	ND	NT	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	ND	ND	NT	NT	NT	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	1.58	ND	1.07	ND	1.93	0.47
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17
	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	NT	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.56	6.07	4.38	6.23	4.12	7.5	4.52
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	1.45	ND	ND	ND	ND	ND	ND	ND	ND	1.44	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	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.04	2.43	1.21	ND	ND	1.66	0.81
	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	NT	NT	ND
	Vinyl Chloride	NT	NT	NT	NT	NT	3.33	ND	1.21	ND	2.15	ND	5.29	ND	4.29	ND	2.61	0.38

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
ST015	1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1,1-Trichloroethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	ND	ND	ND	ND	2.82	ND	ND	ND	ND	NS	ND	ND	ND
	1,1,2-Trichloroethane	NS	NS	NS	NS	ND	ND	ND	ND	1.8	ND	ND	ND	ND	NS	ND	ND	ND
	1,1-Dichloroethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1-Dichloroethene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2,3-Trichloropropane	NS	NS	NS	NS	ND	ND	ND	ND	3.69	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dibromo-3-chloropropan	NS	NS	NS	NS	ND	ND	ND	ND	5.52	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dibromoethane	NS	NS	NS	NS	ND	ND	ND	ND	2.56	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dichlorobenzene	NS	NS	NS	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	NS	ND	NT	ND
	1,2-Dichloroethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dichloropropane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,4-Dichlorobenzene	NS	NS	NS	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	NS	ND	ND	0.27
	2-Butanone	NS	NS	NS	NS	NT	ND	ND	ND	NT	ND	ND	ND	NT	NS	NT	ND	ND
	2-Hexanone	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT	ND	ND
	4-Methyl-2-Pentanone	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	ND	ND
	Acetone	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT	ND	0.27
	Acrylonitrile	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	ND	ND
	Benzene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	1.11	ND	NS	ND	ND	ND
	Bromochloromethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NT	ND
	Bromodichloromethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Bromoform	NS	NS	NS	NS	ND	ND	ND	ND	1.09	ND	ND	ND	ND	NS	ND	ND	ND
	Bromomethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Carbon disulfide	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT	ND	ND
	Carbon Tetrachloride	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Chlorobenzene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Chloroethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Chloroform	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Chloromethane	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND	ND	ND
	cis-1,2-Dichloroethene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.78
	cis-1,3-Dichloropropene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Dibromochloromethane	NS	NS	NS	NS	ND	ND	ND	ND	1.04	ND	ND	ND	ND	NS	ND	ND	ND
	Dibromomethane	NS	NS	NS	NS	ND	ND	ND	ND	2.33	ND	ND	ND	ND	NS	ND	ND	ND
	Dichloromethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Ethylbenzene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	1.15	ND	NS	ND	ND	ND
	Methyl Iodide	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT	ND	ND
	Methyl Tertiary Butyl Ether	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND	ND	ND
	ortho-Xylene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	1.45	ND	NS	ND	ND	ND
	para-Xylene & meta-Xylene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	3.64	ND	NS	ND	ND	ND
	Styrene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Tetrachloroethene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Toluene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	5.94	ND	NS	ND	ND	ND
	trans-1,2-Dichloroethene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	trans-1,3-Dichloropropene	NS	NS	NS	NS	ND	ND	ND	ND	1.06	ND	ND	ND	ND	NS	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT	ND	ND
	Trichloroethene	NS	NS	NS	NS	1.08	1.05	ND	ND	ND	ND	1.4	ND	1.1	NS	2.2	ND	1.38
	Trichlorofluoromethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Vinyl Acetate	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	ND
	Vinyl Chloride	NS	NS	NS	NS	NT	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	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
ST120	1,1,1,2-Tetrachloroethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND		ND	ND	ND	ND	ND	ND	ND	ND	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
	1,2-Dibromoethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	1,2-Dichloroethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND		ND	ND	ND	ND	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	ND	ND	0.22
	2-Butanone	NT		NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.21
	Acetone	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Acrylonitrile	NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	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	ND	NT	ND
	Bromodichloromethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND		ND	ND	ND	ND	ND	ND	ND	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
	Carbon disulfide	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Carbon Tetrachloride	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
	Chloroethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND		ND	ND	ND	ND	ND	1.22	ND	2.52	ND	2.99	1.22	ND	1.15	1.54	0.57
	cis-1,3-Dichloropropene	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.79		1.39	ND	ND	ND	ND	ND	ND	1.65	ND	1.56	ND	ND	ND	ND	ND
	Toluene	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	ND		ND	ND	ND	ND	ND	ND	ND	1.33	ND	1.4	ND	ND	ND	ND	0.27
	Trichlorofluoromethane	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	NT	ND
	Vinyl Chloride	NT		NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
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	ND	ND	1.13	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	1.04	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	11	ND	ND	ND	ND	ND	NT	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	1.34	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	0.17
	2-Butanone	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	1.17	ND
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	ND	ND	NT	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	0.23
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	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	NT	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.43	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	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	ND	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.13	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	NT	NT	ND
	Vinyl Chloride	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.29	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	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
ST70	1,1,1,2-Tetrachloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	NT	ND
	1,2-Dichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	0.19
	2-Butanone	NT	NT	NT	NS	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Acrylonitrile	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Bromodichloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28
	Carbon disulfide	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Carbon Tetrachloride	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	4.24	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	1.04	ND	1.17	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	3.82	ND	7.27	1.19	4.27
	ortho-Xylene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.55	ND	1.52	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
	Vinyl Chloride	NT	NT	NT	NS	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

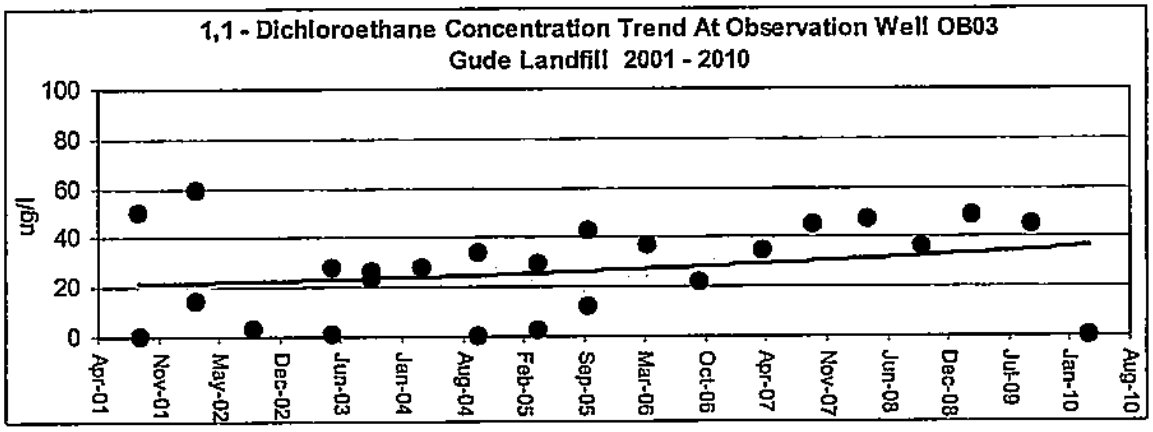
Locatio	Parameter	2002-F	2002-S	2003-F	2003-S	2004-F	2004-S	2005-F	2005-S	2006-F	2006-S	2007-F	2007-S	2008-Firs	2008-S	2009-F	2009-F	2010-S
ST80	1,1,1,2-Tetrachloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	1.12	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	NT	ND
	1,2-Dichloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	NT	NT	NT	NS	NT	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	2-Hexanone	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	4-Methyl-2-Pentanone	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Acetone	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	0.69
	Acrylonitrile	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Benzene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Bromodichloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	2.35	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Carbon Tetrachloride	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	1.09	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Methyl Tertiary Butyl Ether	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	3.86	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
	Trichloroethene	1.61	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
	Vinyl Chloride	NT	NT	NT	NS	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

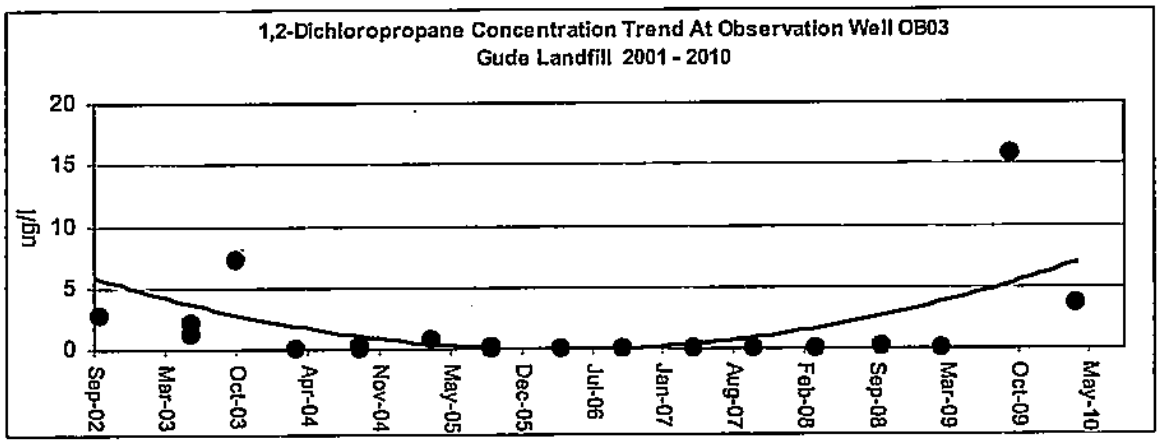
NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

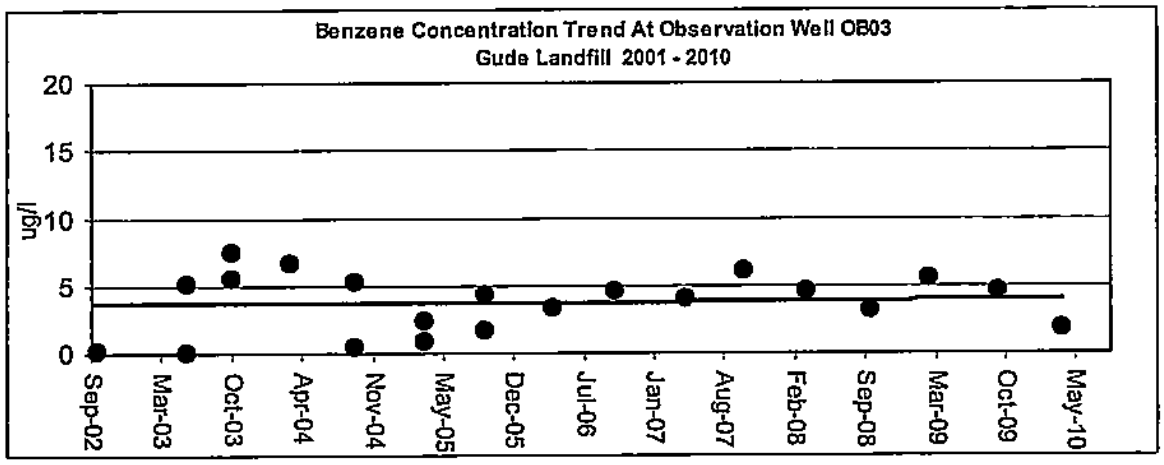
Appendix C

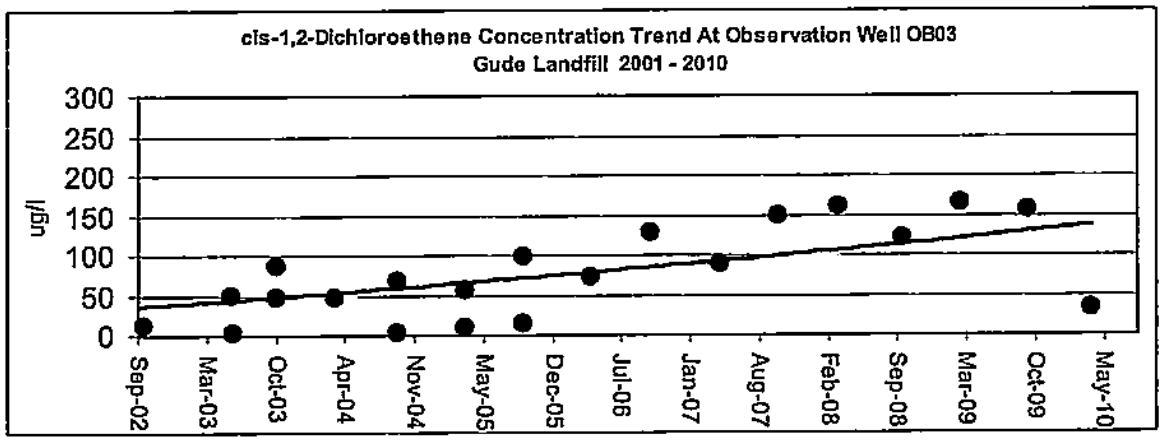
Volatile Organic Compounds

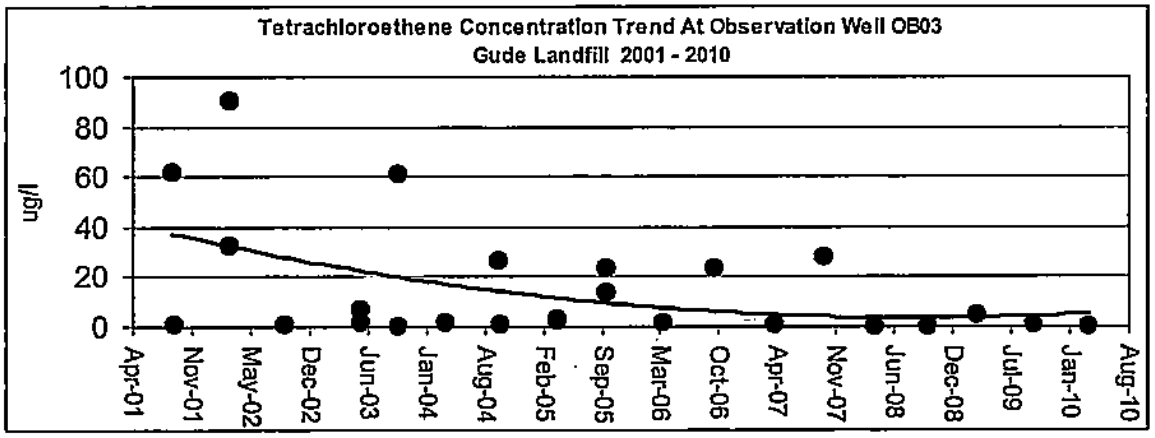
Trend Analysis

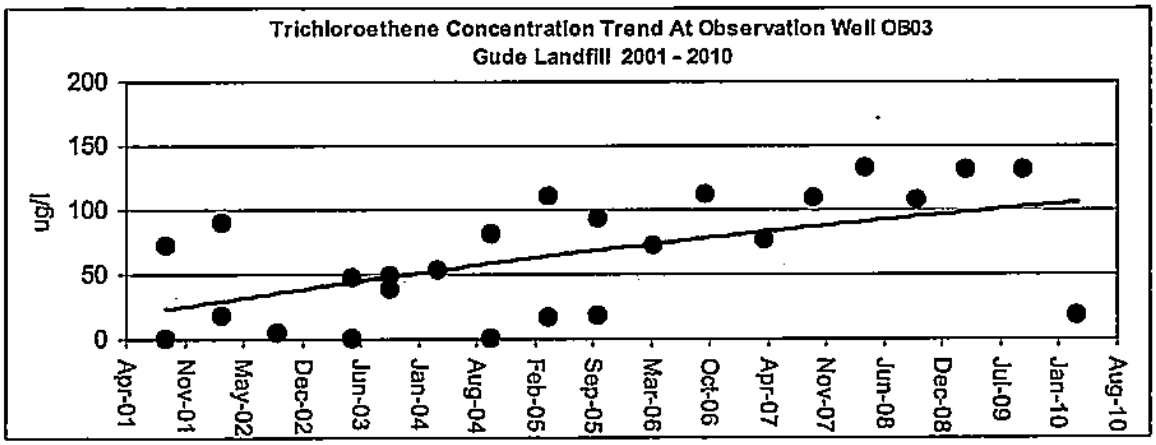

1,1 - Dichloroethane Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2010
ug/l
100
80
60
40
20
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

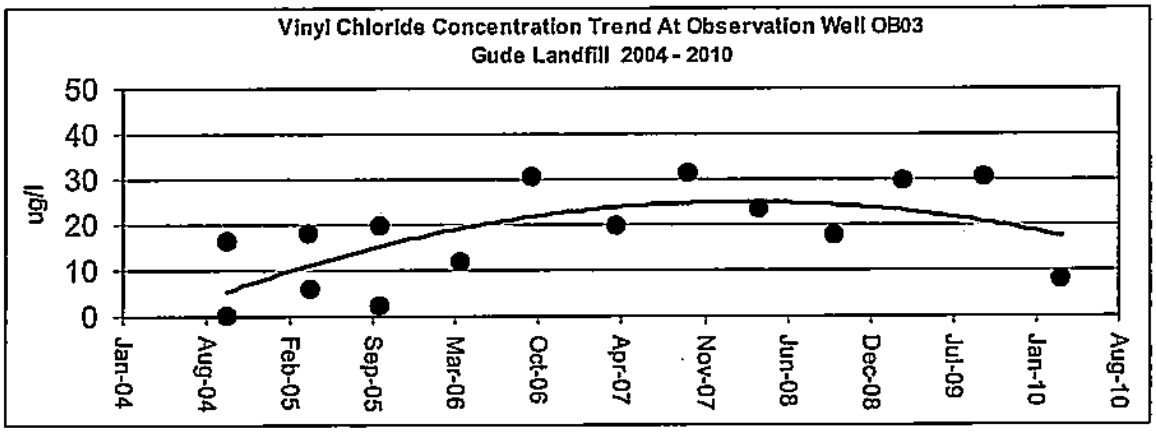

1,2-Dichloropropane Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2010
ug/l
20
15
10
5
0
Sep-02
Mar-03
Oct-03
Apr-04
Nov-04
May-05
Dec-05
Jul-06
Jan-07
Aug-07
Feb-08
Sep-08
Mar-09
Oct-09
May-10

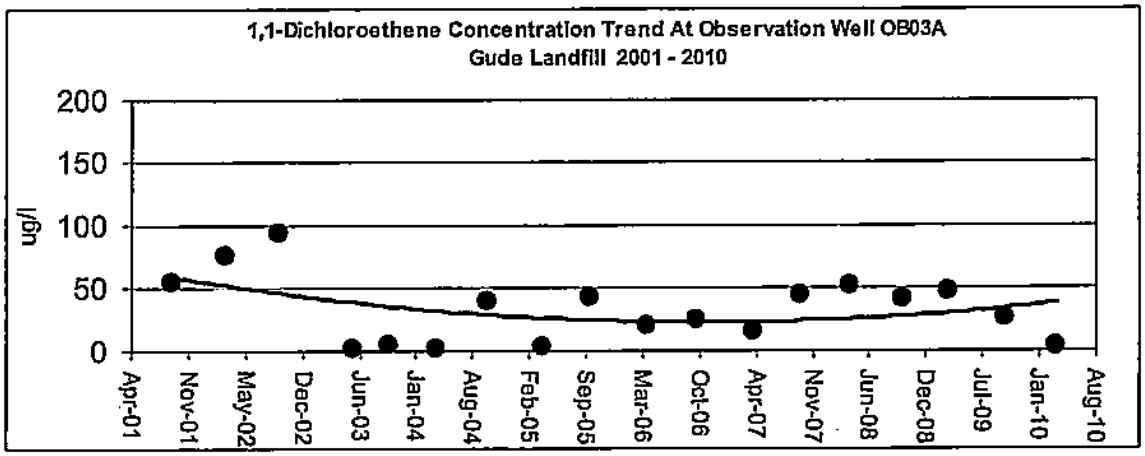

Benzene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2010
ug/l
20
15
10
5
0
Sep-02
Mar-03
Oct-03
Apr-04
Nov-04
May-05
Dec-05
Jul-06
Jan-07
Aug-07
Feb-08
Sep-08
Mar-09
Oct-09
May-10

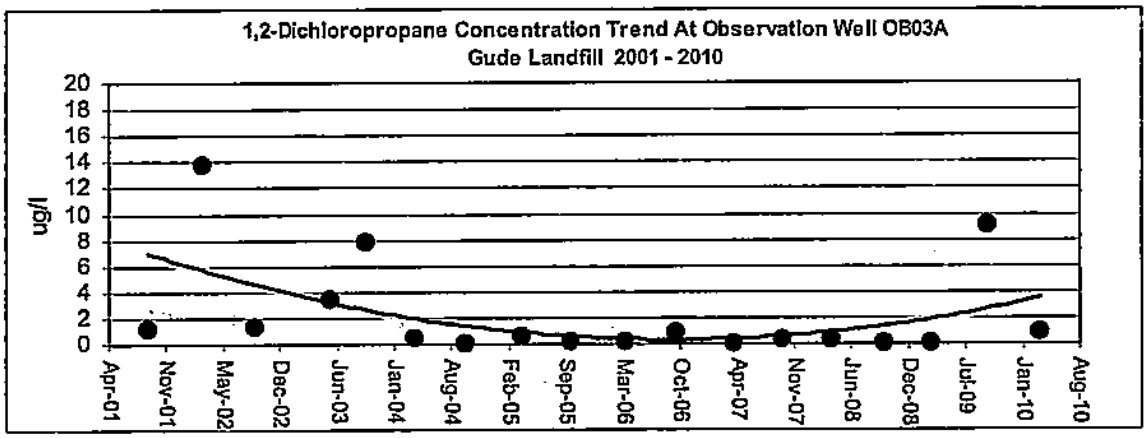

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2010
ug/l
300
250
200
150
100
50
0
Sep-02
Mar-03
Oct-03
Apr-04
Nov-04
May-05
Dec-05
Jul-06
Jan-07
Aug-07
Feb-08
Sep-08
Mar-09
Oct-09
May-10

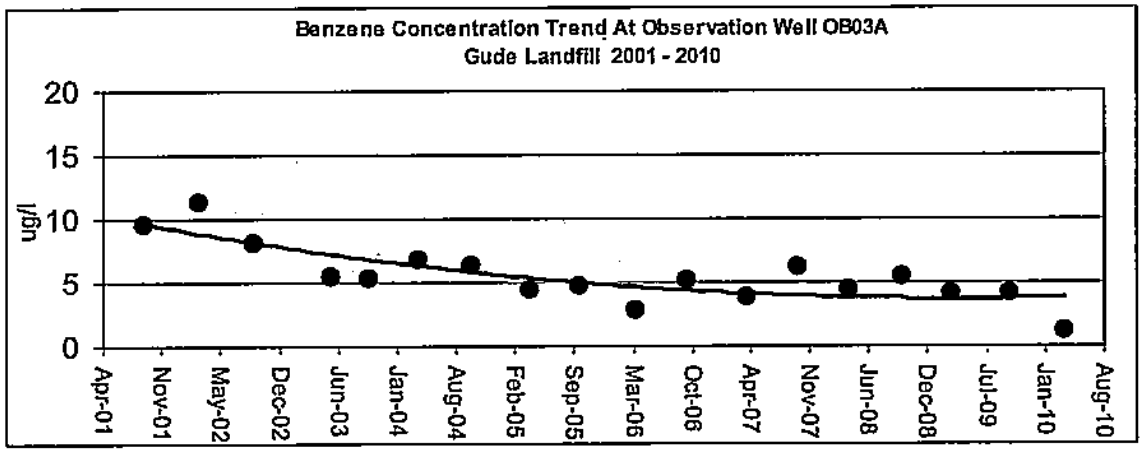

Tetrachloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2010
ug/l
100
80
60
40
20
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

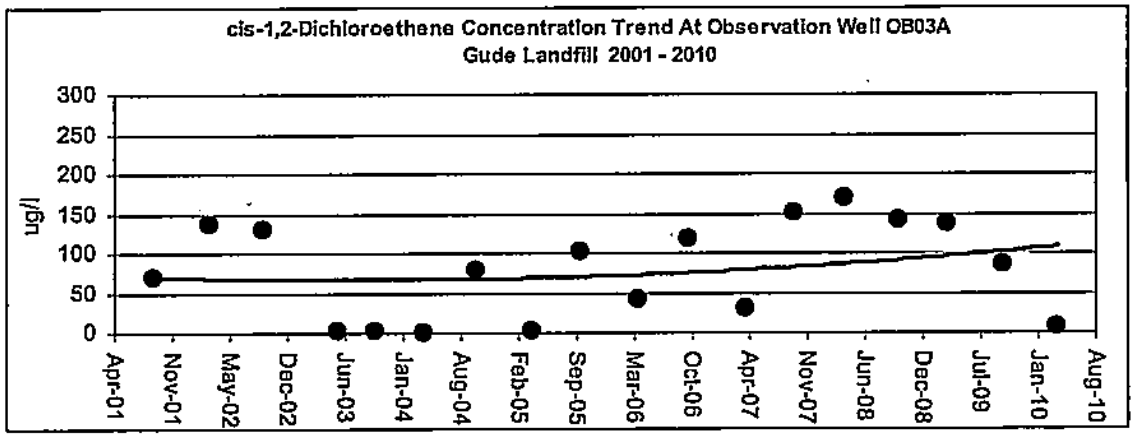

Trichloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2010
ug/l
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

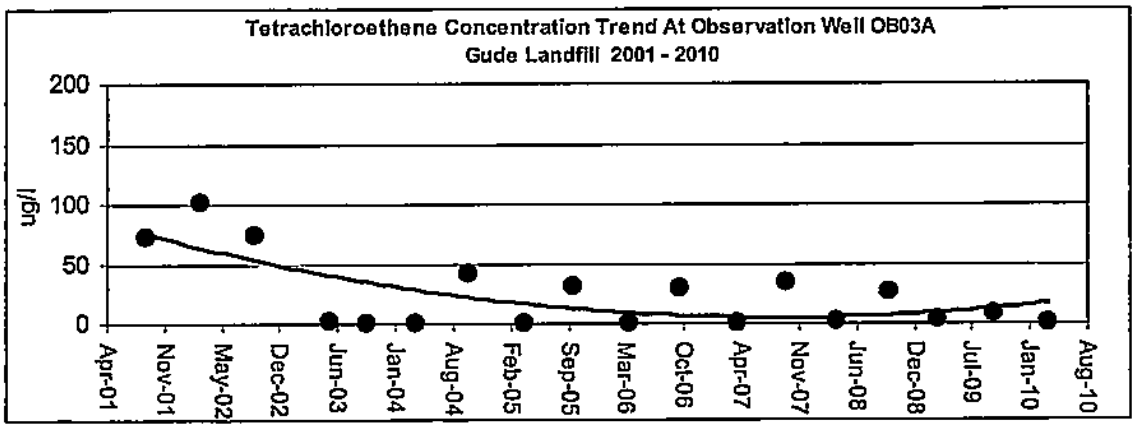

Vinyl Chloride Concentration Trend At Observation Well OB03
Gude Landfill 2004 - 2010
ug/l
50
40
30
20
10
0
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

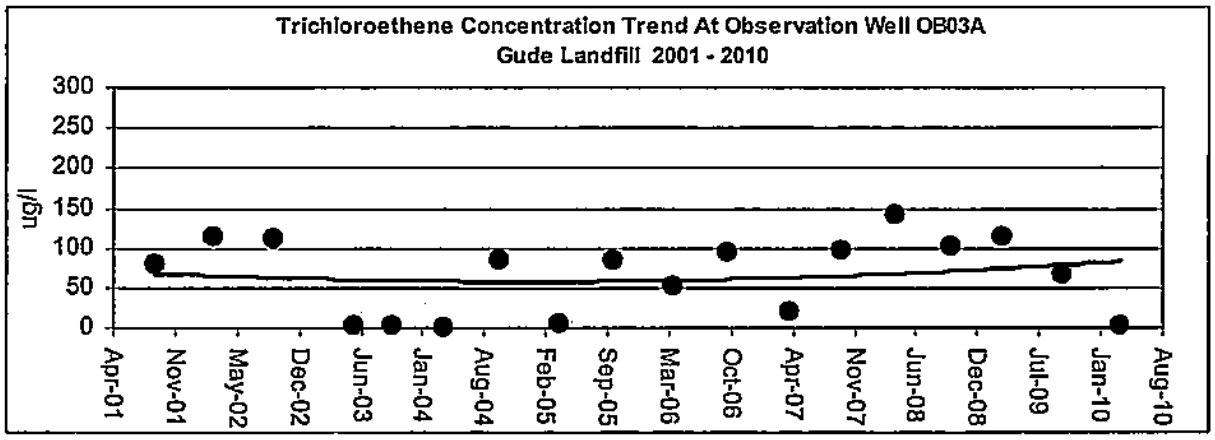

1,1-Dichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2010
ug/l
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

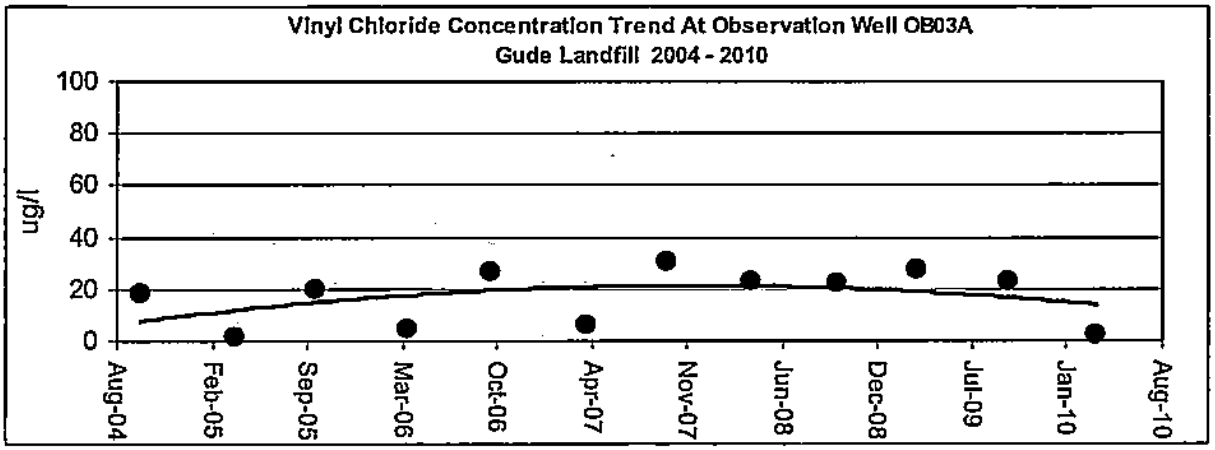

1,2-Dichloropropane Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2010
ug/l
20
18
16
14
12
10
8
6
4
2
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

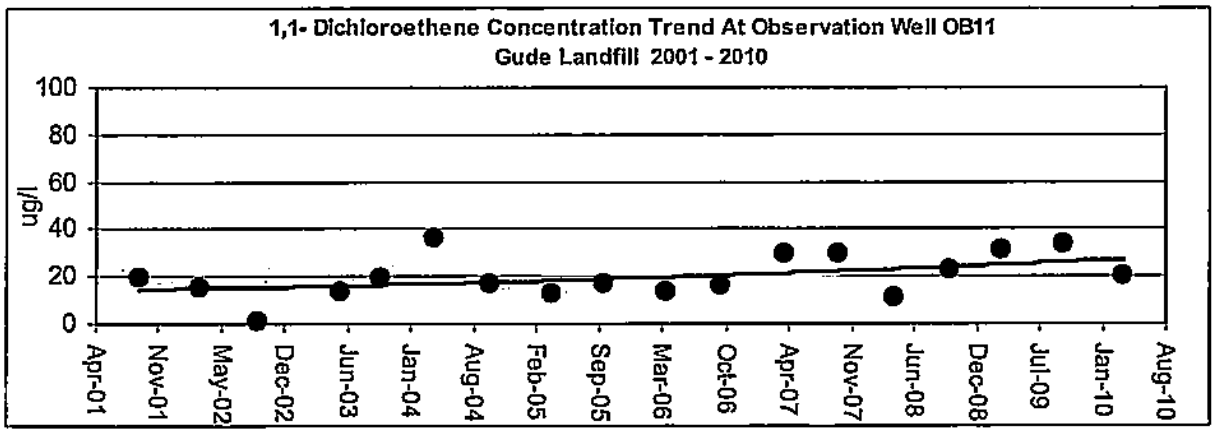

Benzene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2010
ug/l
20
15
10
5
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

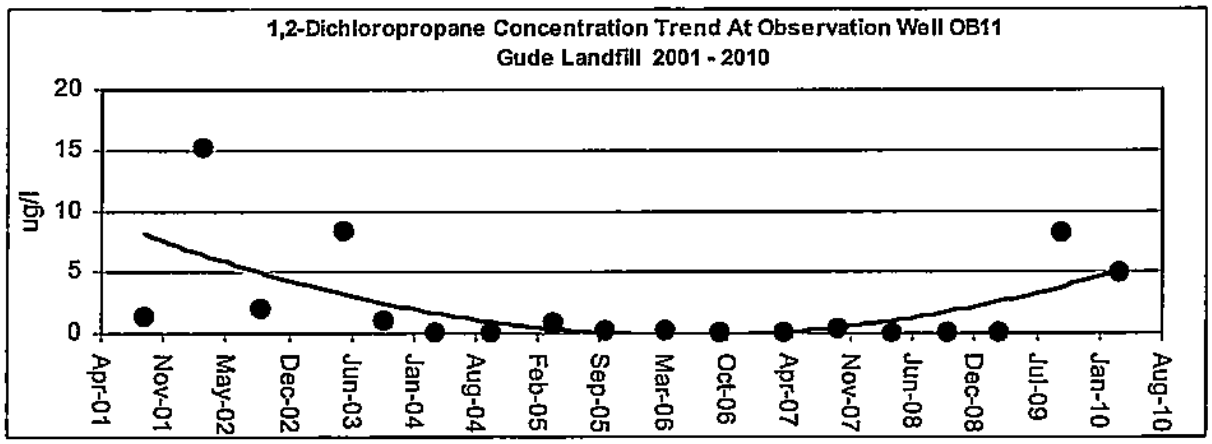

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2010
ug/l
300
250
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

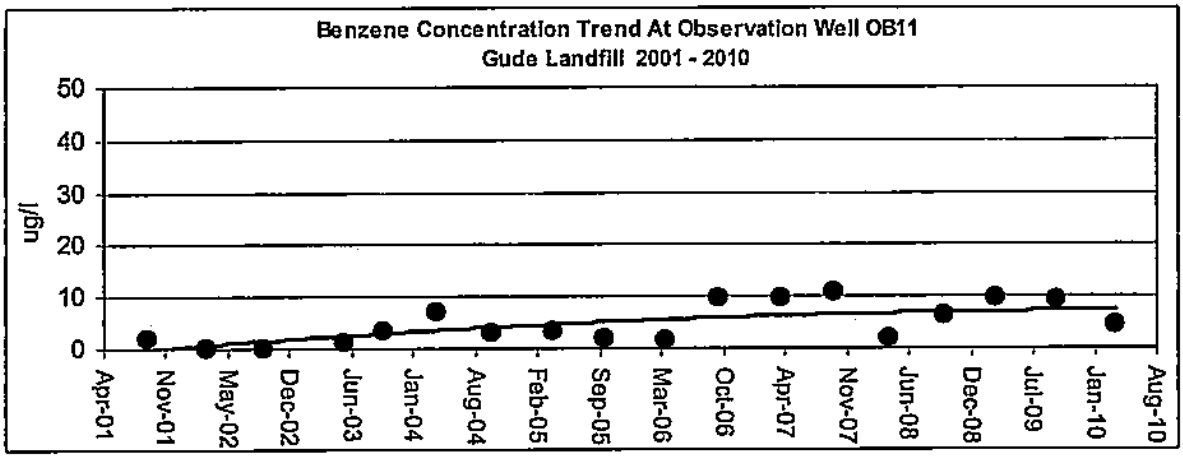

Tetrachloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2010
ug/l
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

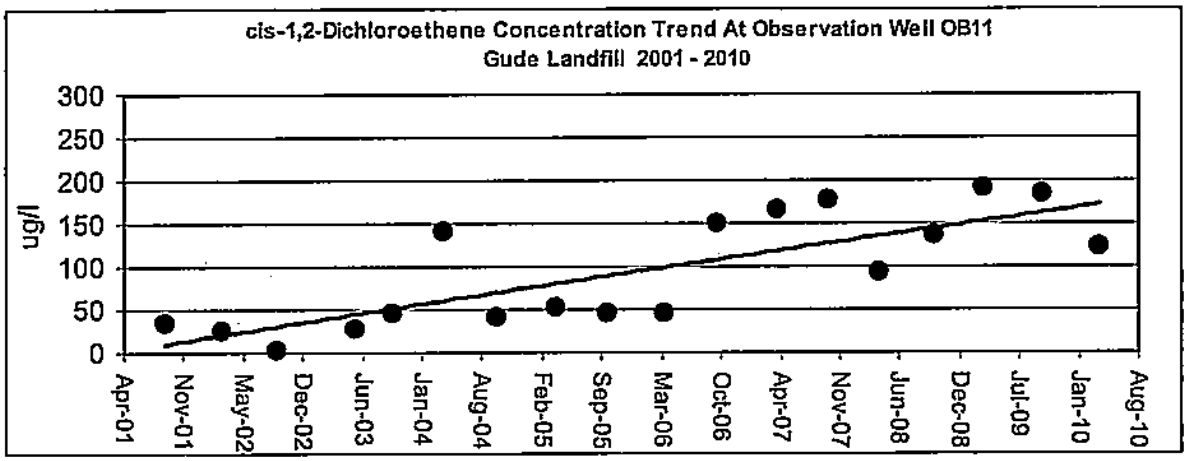

Trichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2010
ug/l
300
250
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

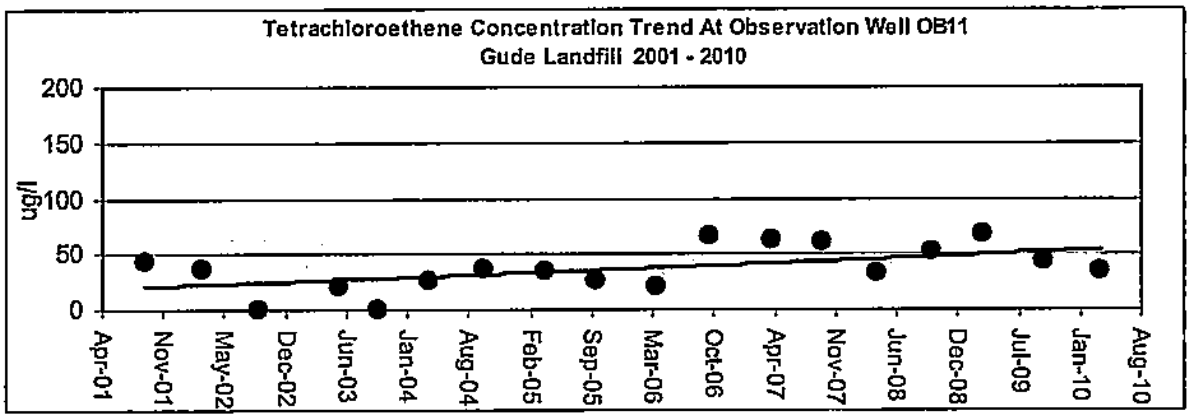

Vinyl Chloride Concentration Trend At Observation Well OB03A
Gude Landfill 2004 - 2010
ug/l
100
80
60
40
20
0
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

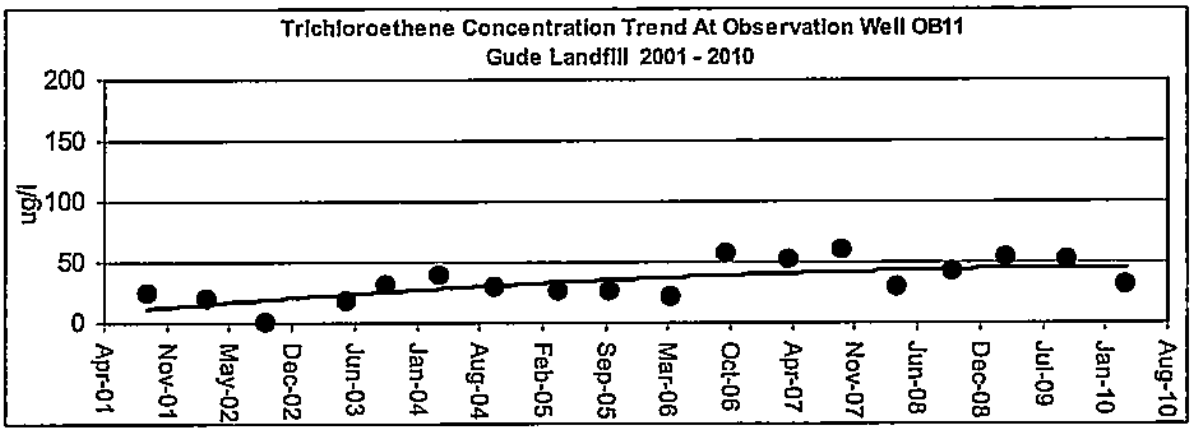

1,1- Dichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2010
ug/l
100
80
60
40
20
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

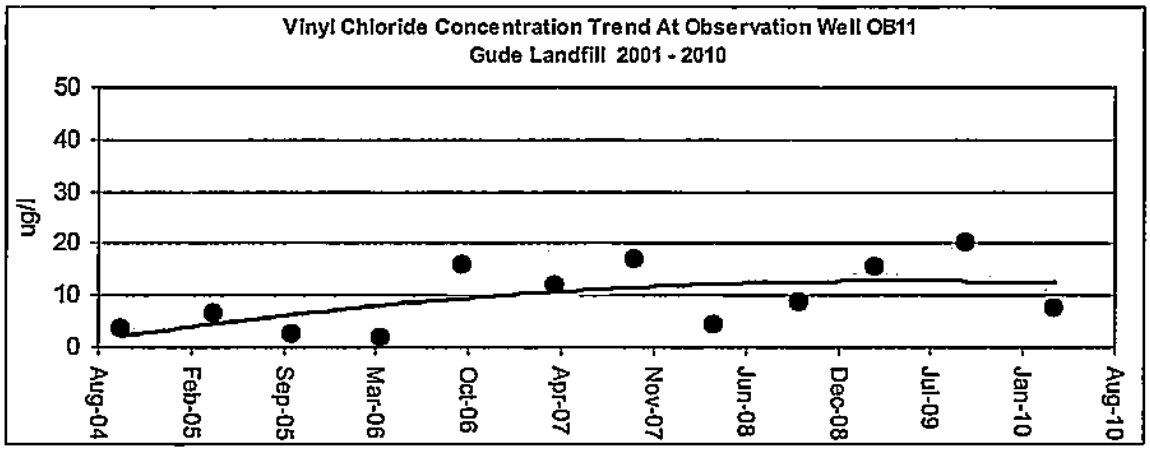

1,2-Dichloropropane Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2010
ug/l
20
15
10
5
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

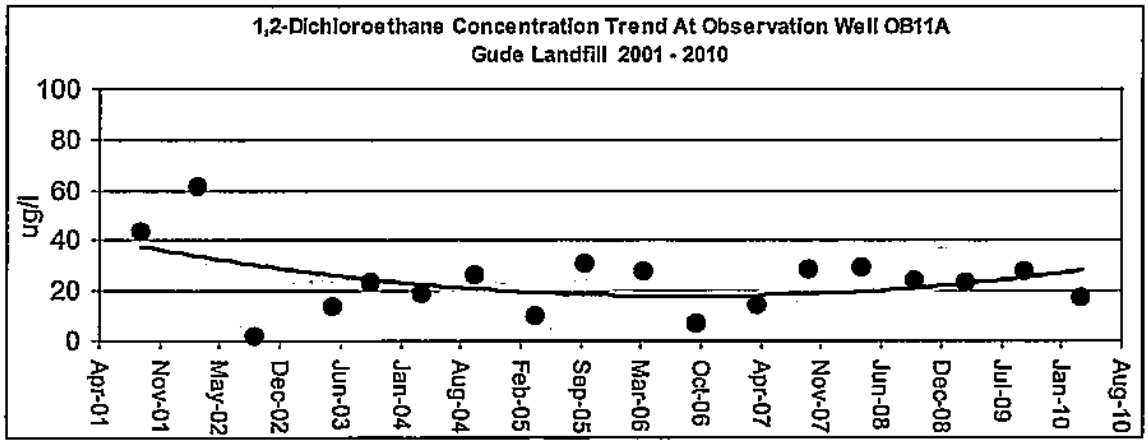

Benzene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2010
ug/l
50
40
30
20
10
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

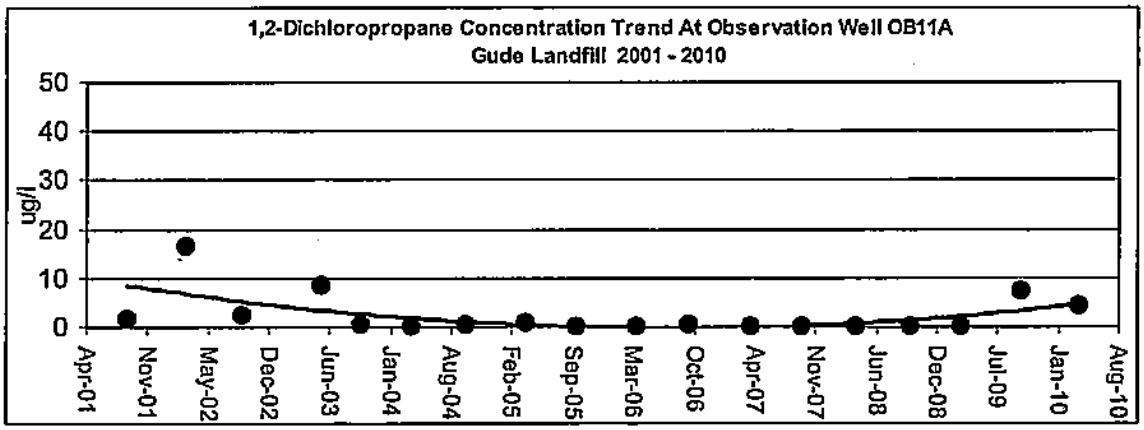

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2010
ug/l
300
250
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

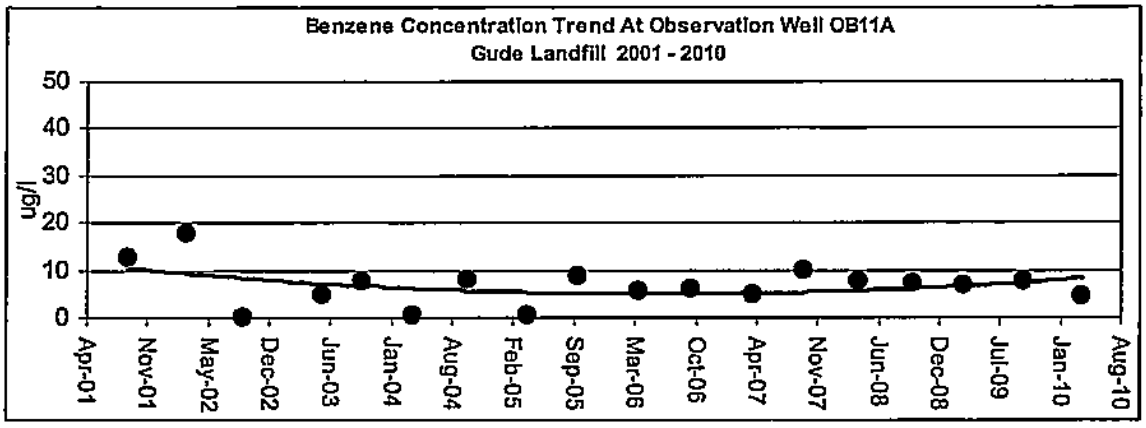

Tetrachloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2010
ug/l
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

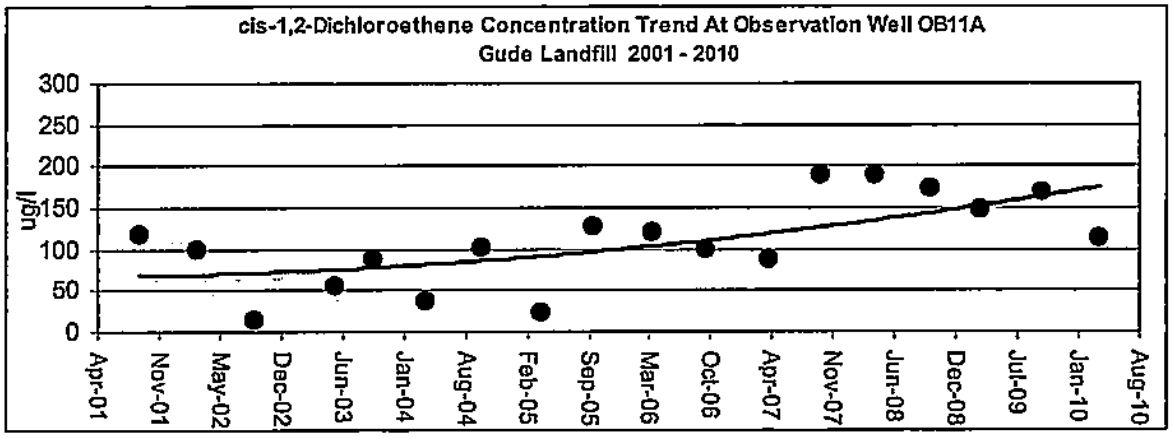

Trichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2010
ug/l
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

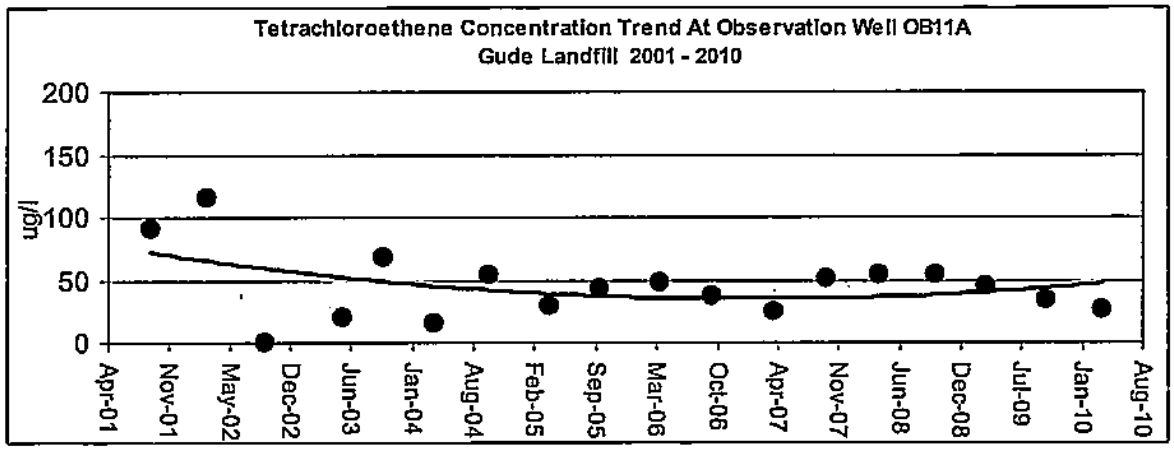

Vinyl Chloride Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2010
ug/l
50
40
30
20
10
0
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

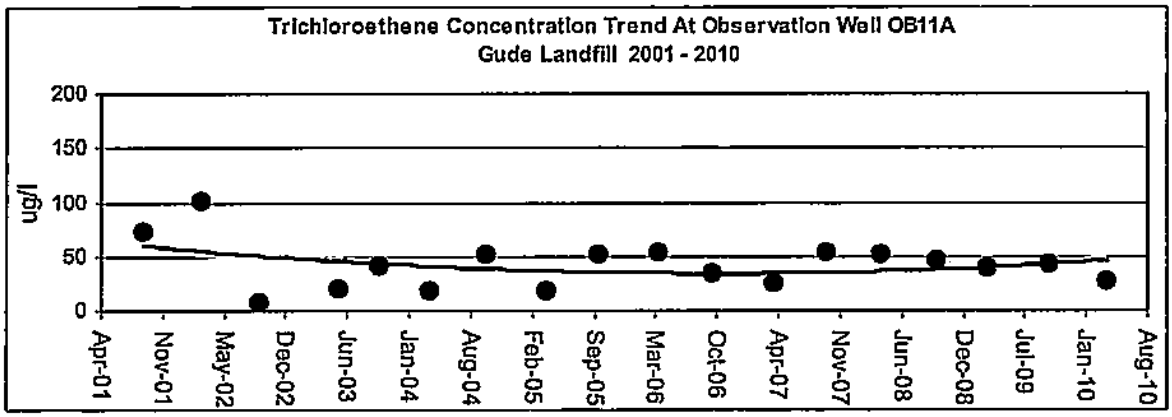

1,2-Dichloroethane Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2010
ug/l
100
80
60
40
20
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

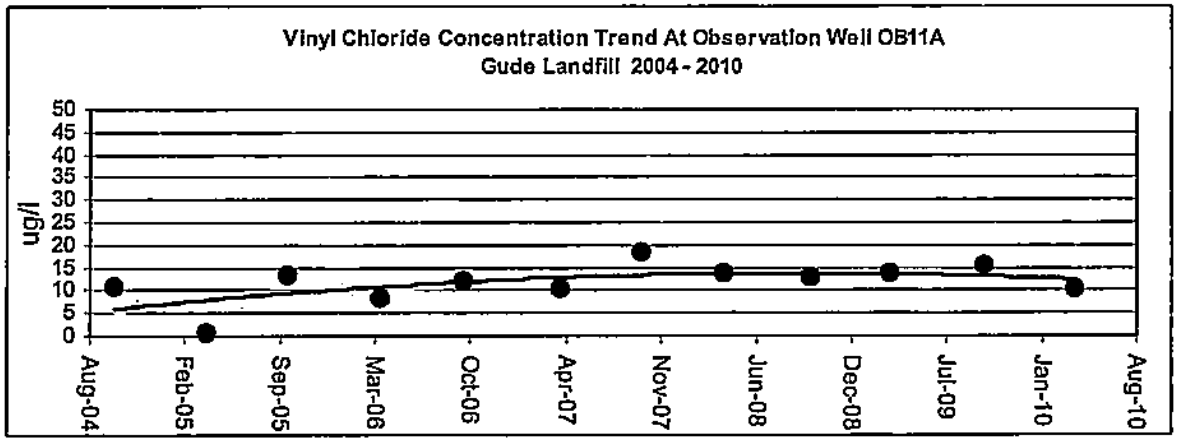

1,2-Dichloropropane Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2010
ug/l
50
40
30
20
10
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

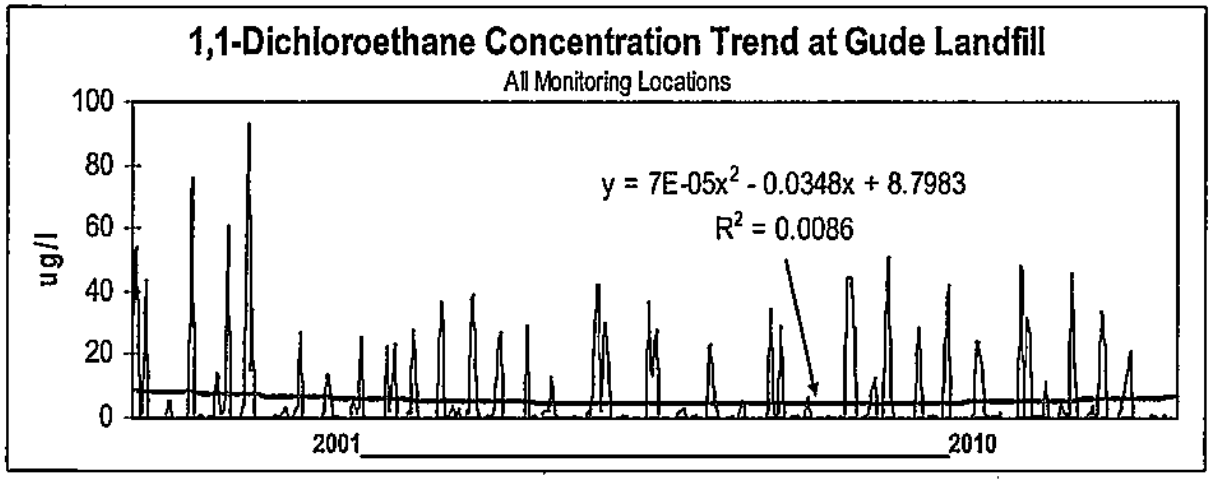

Benzene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2010
ug/l
50
40
30
20
10
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

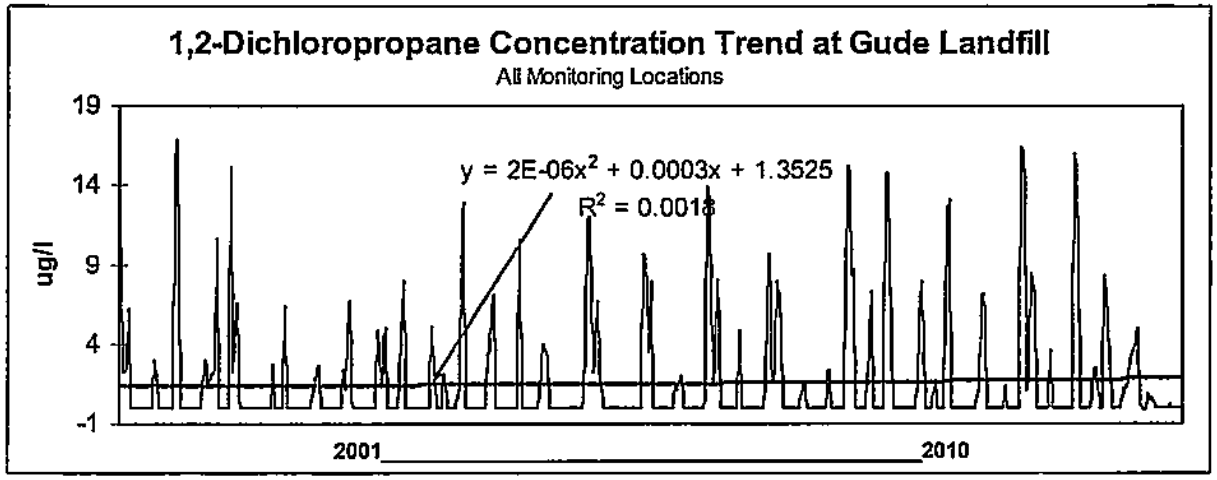

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2010
ug/l
300
250
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

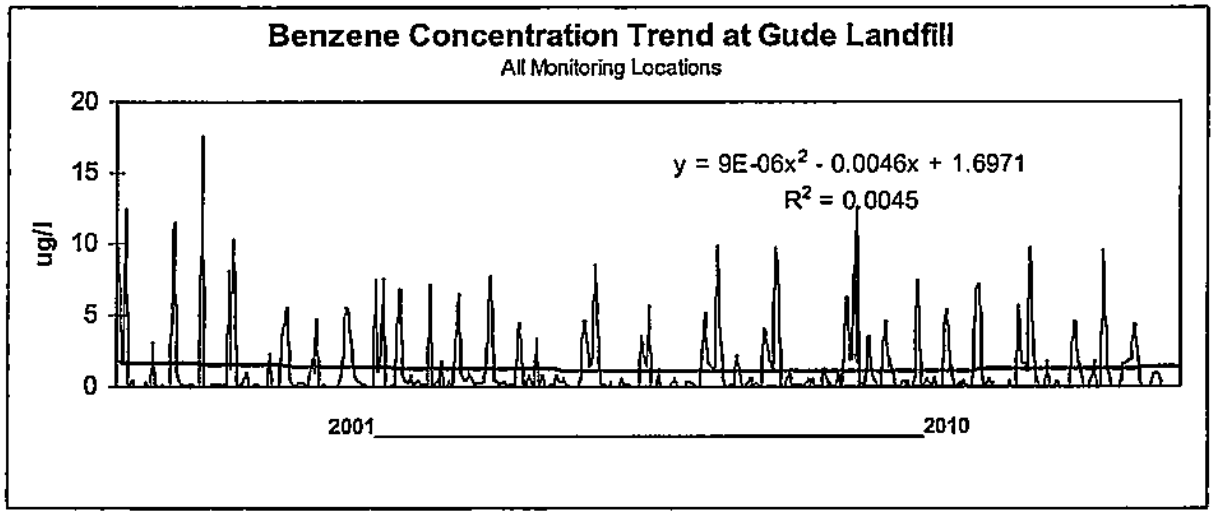

Tetrachloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2010
ug/l
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

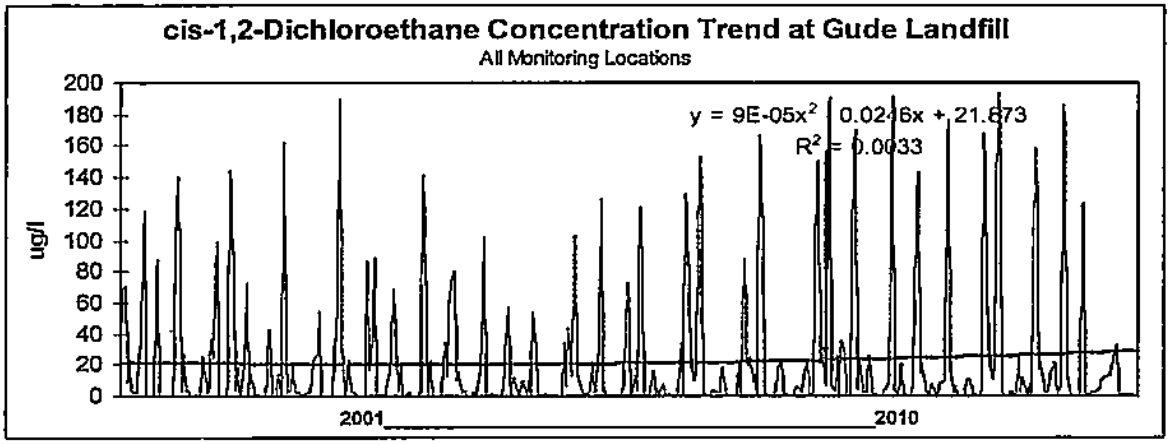

Trichloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2010
ug/l
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

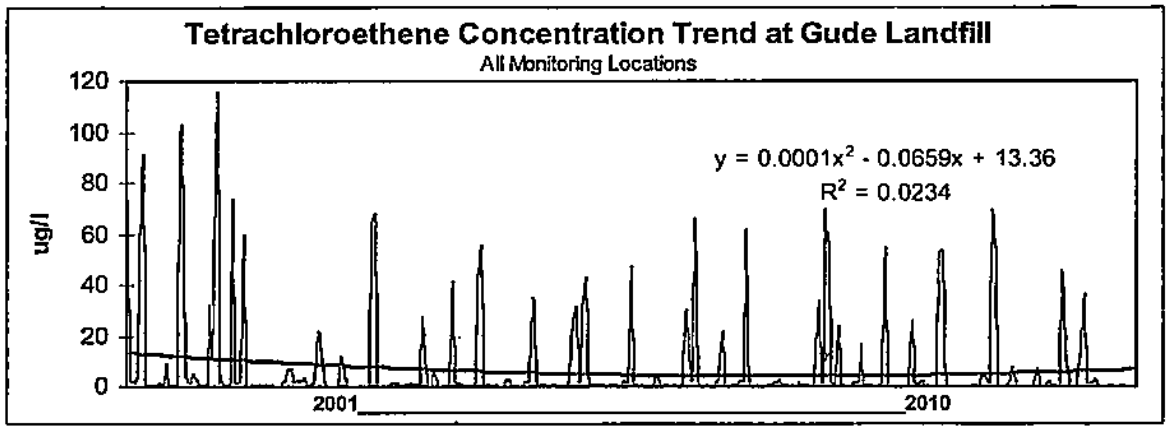

Vinyl Chloride Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2010
ug/l
50
45
40
35
30
25
20
15
10
5
0
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10

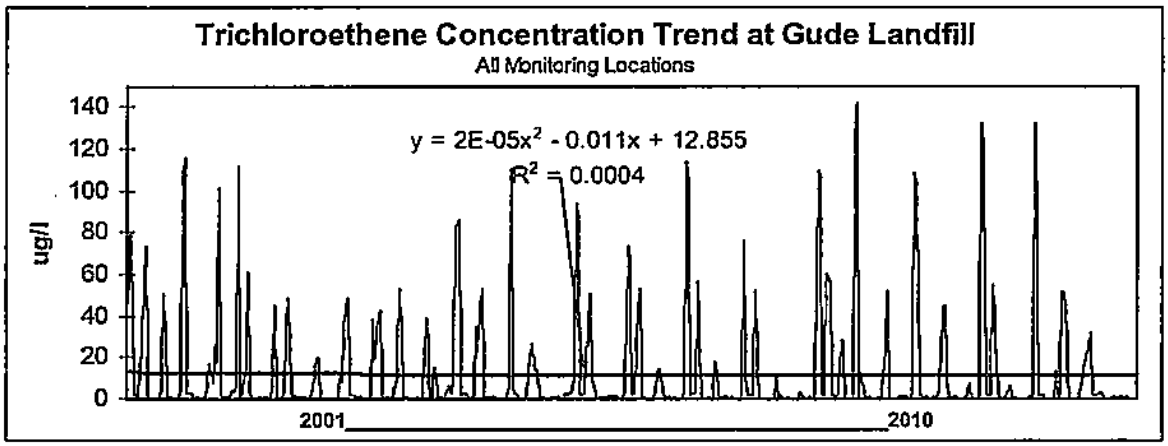

1,1-Dichloroethane Concentration Trend at Gude Landfill
All Monitoring Locations
100
80
60
40
20
0
ug/l
y = 7E-05x² - 0.0348x + 8.7983
R² = 0.0086
2001
2010

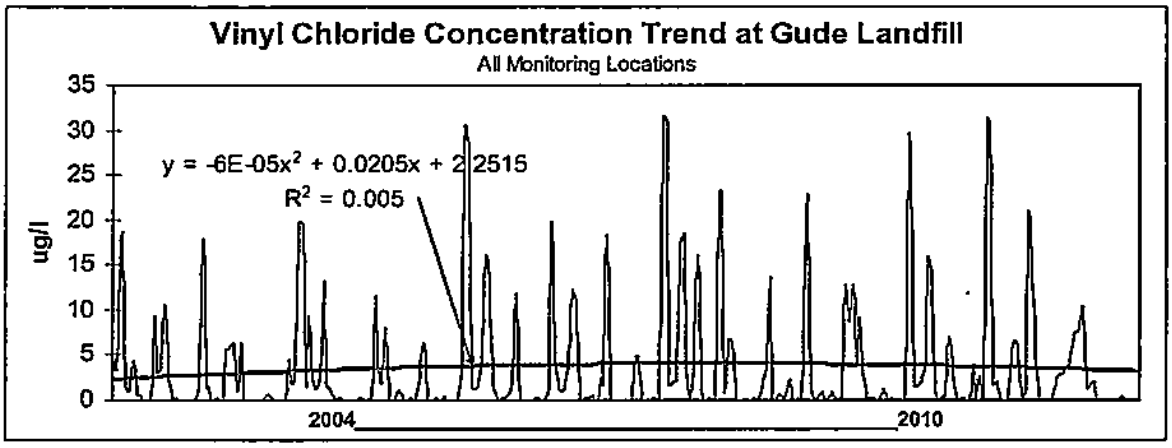

1,2-Dichloropropane Concentration Trend at Gude Landfill
All Monitoring Locations
19
14
9
4
-1
ug/l
y = 2E-06x² + 0.0003x + 1.3525
R² = 0.0018
2001
2010


Benzene Concentration Trend at Gude Landfill
All Monitoring Locations
20
15
10
5
0
ug/l
y = 9E-06x² - 0.0046x + 1.6971
R² = 0.0045
2001
2010


cis-1,2-Dichloroethane Concentration Trend at Gude Landfill
All Monitoring Locations
y = 9E-05x² - 0.0246x + 21.873
R² = 0.0033
ug/l
200
180
160
140
120
100
80
60
40
20
0
2001
2010


Tetrachloroethene Concentration Trend at Gude Landfill
All Monitoring Locations
y = 0.0001x² - 0.0659x + 13.36
R² = 0.0234
ug/l
120
100
80
60
40
20
0
2001
2010


Trichloroethene Concentration Trend at Gude Landfill
All Monitoring Locations
y = 2E-05x² - 0.011x + 12.855
R² = 0.0004
ug/l
140
120
100
80
60
40
20
0
2001
2010


Vinyl Chloride Concentration Trend at Gude Landfill
All Monitoring Locations
y = -6E-05x² + 0.0205x + 2.2515
R² = 0.005
ug/l
35
30
25
20
15
10
5
0
2004
2010

Appendix D

Tables of Metals

Results in (mg/l)

Table 3
Metals and Other Water Quality Parameters

Gude Landfill - June 2010 Report

Monitoring Location / Parameter	OB01	OB02	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB102	OB105	OB11	OB11A	OB12	OB15	OB25	ST015	ST120	ST65	ST70	ST80
Alkalinity	95	57	36	321	461	242	142	170	161	92	245	233	83	960	1710	165	282	109	93	416	115	235	74	106	110
Ammonia	ND	ND	ND	6.46	8.93	0.542	0.366	ND	ND	ND	ND	0.299	ND	12.4	61.8	ND	0.817	ND	0.228	0.771	0.239	ND	ND	0.497	0.456
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	ND	ND	ND	ND	0.012	ND	ND	ND	ND	ND
Barium	0.162	0.344	0.297	0.656	0.421	0.254	0.0555	0.267	0.0414	0.0693	0.126	0.0919	0.049	0.374	0.408	0.0515	0.174	0.0211	0.0902	0.445	0.0596	0.0566	0.0544	0.0596	0.0532
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0057	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0058	0.0101	ND	ND	0.0072	ND	ND	ND	ND	ND
Calcium	67.6	73.9	76.4	80.3	91.6	160	116	147	105	55.8	71.1	52.6	37.7	113	124	108	92.5	39	20.3	89.9	36.7	40	34	37.9	37.9
Chloride	204	264	286	193	164	193	311	222	48.8	74.5	31.2	39.9	53.3	128	265	393	262	83.9	3.48	183	102	85.7	197	68.8	92.3
Chromium	ND	ND	ND	ND	ND	ND	ND	0.021	ND	ND	ND	ND	ND	0.0102	0.0075	ND	ND	ND	ND	0.141	ND	ND	ND	ND	ND
Cobalt	0.0084	0.0071	ND	0.0662	0.0458	ND	ND	0.0111	ND	0.0059	0.0064	0.0135	ND	0.089	0.0129	ND	0.0777	ND	0.0099	0.272	ND	ND	ND	ND	ND
COD	ND	ND	ND	34.9	38.5	25.2	26.4	55.1	13.6	6.1	4.9	39.2	7.5	250	258	28.2	32.3	12.1	11.1	79.4	7.2	34.7	7	14.1	12.5
Copper	0.0096	0.0103	0.0075	0.0084	0.0084	0.0388	0.0321	0.0327	0.0126	0.0128	0.0073	0.0067	0.0179	0.0793	0.0216	0.0072	0.0209	0.0062	0.0103	0.168	0.0085	0.0097	0.0105	0.009	0.008
Hardness	320	376	353	700	670	610	550	560	350	205	250	330	161	158	870	510	500	189	270	520	180	222	150	150	152
Iron	ND	2.59	0.6	34.6	49.3	1.13	1.57	29.2	1.07	ND	0.675	3.33	1.9	9.66	31.2	0.84	4.65	ND	16	210	0.814	0.529	1	0.98	0.821
Lead	ND	ND	ND	ND	ND	ND	ND	0.0126	ND	ND	ND	ND	0.0085	ND	ND	ND	0.0059	ND	ND	0.0358	ND	ND	ND	ND	ND
Magnesium	40.3	43.3	44.4	52.8	66.8	83.7	86.1	64.4	29.7	21.7	16.6	19.2	18.1	98.7	152	59.1	64.2	23.4	24.5	109	17.6	30.7	19.1	15.9	15.4
Manganese	3.17	1.34	0.0382	18.8	6.35	1.81	1.07	0.668	0.281	0.753	7.07	7.9	1.31	20.7	1.97	0.7	7.39	0.131	4.5	33.5	0.294	0.0466	0.238	0.274	0.174
Mercury	ND	ND	ND	ND	ND	ND	ND	0.00286	ND	0.0003	ND	ND	ND	ND	ND	0.00191	0.0023	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	0.0264	0.011	0.0099	0.0167	0.0157	0.0124	0.0194	0.0349	0.0057	0.0099	0.0081	0.0068	0.0104	0.0966	0.0164	0.0216	0.0306	0.0101	0.0178	0.281	0.0104	0.0102	0.0155	0.0136	0.0108
Nitrate	1.94	ND	0.582	ND	ND	ND	ND	0.6679	0.5966	ND	ND	ND	ND	ND	ND	ND	ND	2.25	ND	2.31	1.3279	0.7773	1.2126	1.124	1.1925
pH	5.08	5.35	4.77	4.74	4.98	5.3	4.84	5.69	5.95	5.94	5.41	5.49	5.98	5.95	6.33	5.03	5.28	6.14	6.62	5.51	7.19	6.31	5.96	6.61	7.37
Potassium	3.64	7.07	4.1	10.9	19.2	6.52	5.25	6.71	3.23	7.32	2.87	2.73	2.94	41.7	136	8.25	7.17	3.04	2.3	15.9	3.08	14.3	3	4.4	4.64
Selenium	ND	ND	ND	ND	ND	0.0066	0.0071	0.008	ND	ND	ND	ND	ND	0.0134	0.0091	ND	ND	ND	ND	0.0172	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	0.0088	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	54.5	30.6	32.5	92.8	132	77.6	101	92	23.3	23.8	31.6	34.7	20.3	549	468	59.9	97.5	27.8	14.5	76.6	59	110	170	69.8	69
Spec. Cond.	920.7	910.3	925.5	1405	1661	1758	1678	1571	828.1	565.4	528.2	541.9	423.9	3493	3886	1340	1363	511.6	368.7	1340	538.8	884.2	1116	625.1	616.7
Sulfate	24.9	14.9	16.2	31.4	75.4	21.1	12.9	85.1	15.2	3.38	4.91	3.04	ND	71.5	105	8.47	14.9	14.9	78.1	75.3	15.6	42.1	17.2	18.4	17.3
TDS	912	1008	1072	984	1112	1772	1764	1388	764	492	340	336	364	2172	2400	1152	1032	400	252	916	368	500	720	392	380
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	0.18	6.4	1.16	24.4	271	0.24	16.8	533	14.3	6.85	0.77	3.8	21.1	202	338	3.65	19.4	5.15	53.8	3870	5.24	5.03	8.2	9.24	7.23
Vanadium	ND	ND	ND	ND	ND	ND	ND	0.0204	ND	ND	ND	ND	ND	0.0124	0.0096	ND	ND	ND	ND	0.129	ND	ND	ND	ND	ND
Zinc	0.013	0.0187	0.0071	0.0118	0.0087	0.0076	0.0227	0.116	0.0126	0.0136	ND	ND	0.0226	0.0402	0.031	0.0309	0.025	0.0134	0.0329	1.09	0.0243	0.0053	0.0124	0.0166	0.0119

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB01	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	104	95
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Barium	0.018	0.0249	0.0342	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	64.9	67.6
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	196	204
	Chromium	0.0021	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Cobalt	ND	ND	ND	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
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Copper	0.0134	0.0107	0.0089	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	330	320
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Lead	0.0029	0.0024	ND	ND	ND	ND	ND	ND	ND	0.0025	ND	ND	ND	ND	NT	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	36	40.3
	Manganese	0.0995	0.0333	0.1055	0.2826	0.7486	0.0745	0.845	0.1334	0.8516	ND	1.231	NT	NT	NT	NT	NT	2.77	3.17
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0004	ND	ND	NT	ND	ND	ND
	Nickel	ND	ND	0.0046	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.67	1.94
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.82	5.08
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.52	3.64
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	47.4	54.5
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	855.9	920.7
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	26.4	24.9
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	776	912
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	0.0013	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Turbidity	2.5	3.29	0.9	3.2		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.186	0.18
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0157	0.0084	0.0161	NT	0.012	ND	0.013

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB02	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	67	57
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Barium	0.1256	0.0838	0.1125	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	60.6	73.9
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	212	264
	Chromium	ND	0.0035	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	0.003	ND	0.0034	ND	0.0055	ND	0.0049	0.0065	ND	ND	ND	ND	0.0057	0.0071
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Copper	0.0121	0.0132	0.0137	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	350	376
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.66	2.59
	Lead	0.0167	0.0051	0.0034	ND	ND	ND	ND	ND	0.0049	0.0022	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	32.2	43.3
	Manganese	0.9124	0.4259	0.437	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	0.1694	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	ND	ND	0.005	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.27	5.35
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.91	7.07
	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	NT	NT	NT	22.6	30.6
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	665	910.3
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.5	14.9
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	780	1008
	Thallium	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	15.6	9.11	5	3.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.3	6.4
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.017	0.0176	0.0049	0.0074	0.0091	ND	0.0187

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB02A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	38	36
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0033	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Barium	0.0946	0.1163	0.1795	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	77.5	76.4
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	280	286
	Chromium	ND	0.0039	0.0026	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
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Copper	0.0086	0.0118	0.0102	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	390	353
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.414	0.6
	Lead	0.0034	0.0026	0.0063	ND	ND	ND	ND	ND	ND	0.0031	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	46.4	44.4
	Manganese	0.0142	0.0216	0.1027	0.0345	0.0217	0.0327	0.0366	0.0313	0.0303	0.0128	NT	NT	NT	NT	NT	NT	0.0381	0.0382
	Mercury	ND	ND	ND	ND	ND	ND	ND	0.0482	ND	0.0013	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0035	ND	ND	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5894	0.582
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.75	4.77
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.73	4.1
	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	NT	NT	NT	31.2	32.5
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	636.7	925.5
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	22.4	16.2
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1088	1072
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	2.7	1.85	3	2.8	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.83	1.16
	Vanadium	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	NT	NT	0.0068	0.0156	ND	ND	0.0131	ND	0.00713

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Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB03	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	265	321
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.39	6.46
	Antimony	0.0048	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Arsenic	0.0054	ND	ND	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
	Barium	0.2635	0.0219	0.055	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
	Beryllium	0.0036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Cadmium	0.0045	0.0074	ND	ND	ND	ND	ND	ND	0.0039	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	59.9	80.3
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	134	193
	Chromium	0.0954	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Cobalt	0.0543	0.0545	ND	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
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.6	34.9
	Copper	0.0108	0.0106	0.0165	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	690	700
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	28.8	34.6
	Lead	0.1072	0.0024	0.0031	0.0041	0.0029	0.0036	ND	0.003	0.0027	0.0031	0.02	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	33.2	52.8
	Manganese	16.25	15.48	0.2459	15.97	9.801	18.17	19.31	20.5775	19.79	20.7743	16.74	NT	NT	NT	NT	NT	18.5	18.8
	Mercury	ND	ND	ND	ND	0.0003	ND	ND	0.005	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0133	0.0151	0.0071	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.19	4.74
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.2	10.9
	Selenium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Silver	0.0035	ND	ND	0.0021	ND	ND	0.0048	0.0046	ND	ND	ND	ND	ND	ND	ND	0.0154	ND	ND
	Sodium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	35.9	92.8
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	902	1405
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.84	31.4
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	564	984
	Thallium	0.0012	0.0011	ND	ND	ND	ND	0.0012	0.0012	ND	ND	ND	ND	ND	0.0015	ND	ND	ND	ND
	Turbidity	4.2	50.5	136	3.7	248	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	11	24.4
	Vanadium	ND	ND	ND	ND	ND	0.0039	0.0059	0.0078	0.0027	ND	0.0219	ND	0.0023	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0126	0.0253	0.0208	ND	0.0336	ND	0.0118

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Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB03A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	317	461
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.47	8.93
	Antimony	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0073	0.0035	0.0042	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
	Barium	0.5934	0.4795	0.4366	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.0046	ND	ND	ND	ND	ND	ND	ND	0.0031	0.0022	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	69.4	91.6
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	194	164
	Chromium	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.079	0.0827	0.0673	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
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	19.1	38.5
	Copper	0.0135	0.0099	0.009	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	700	670
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	39.4	49.3
	Lead	0.0059	ND	ND	ND	ND	ND	ND	ND	ND	0.0026	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	15.84	16.8	18.79	3.107	5.824	2.812	17.89	2.9275	17.88	14.2709	15.08	NT	NT	NT	NT	NT	44.4	66.8
	Manganese	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.3	6.35
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0281	0.0283	0.019	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.76	4.98
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.4	19.2
	Selenium	ND	ND	ND	0.004	0.0021	ND	ND	0.0029	ND	ND	ND	0.003	ND	ND	ND	ND	0.0024	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	NT	NT	NT	70.3	132
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1023	1661
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	33.5	75.4
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	780	1112
	Thallium	0.0021	0.0043	0.0019	ND	ND	ND	0.0013	ND	0.0012	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	245	66	9.3	463	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	39.4	271
	Vanadium	0.0039	0	0.0006	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
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0064	0.017	0.0134	0.0272	0.0272	0.0182	0.0182	0.011	0.00872

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB04	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	221	242
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.328	0.542
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	0.0041	0.0138	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0034	ND
	Barium	0.1173	0.1226	0.1375	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	154	160
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	412	193
	Chromium	NT	NT	NT	NT	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
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	26.3	25.2
	Copper	0.0114	0.0069	0.0096	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	670	610
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.343	1.13
	Lead	0.0028	ND	0.0039	ND	ND	ND	ND	ND	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	75.1	83.7
	Manganese	0.4653	0.3414	0.366	0.2437	0.4449	0.215	0.6462	0.0306	0.7021	0.1073	1.2	NT	NT	NT	NT	NT	1.32	1.81
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.011	0.0112	0.0123	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.71	5.3
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.32	6.52
	Selenium	0.0046	0.0148	0.0384	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
	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	NT	NT	NT	71	77.6
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1673	1758
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	18.8	21.1
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1348	1772
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	1.2	0.64	4.6	2.6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.07	0.24
	Vanadium	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	NT	NT	0.007	0.0058	0.0167	ND	0.0138	ND	0.00761

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB04A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	125	142
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.301	0.366
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	0.0054	0.0192	0.0039	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0036	ND
	Barium	0.0385	0.0385	0.0397	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	109	116
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	438	311
	Chromium	ND	0.0023	0.0032	ND	ND	ND	ND	ND	ND	ND	0.0022	ND	0.0026	ND	ND	ND	0.0021	ND
	Cobalt	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	NT	NT	31.3	26.4
	Copper	0.0263	0.0246	0.0124	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	570	550
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.998	1.57
	Lead	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	NT	NT	71.9	86.1
	Manganese	0.4309	0.443	0.4699	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	0.0799	ND	ND	ND	ND	ND	0.0004	ND	ND	0.0003	ND
	Nickel	0.0133	0.0137	0.0162	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.82	4.84
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.93	5.25
	Selenium	0.006	0.0187	0.0531	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
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	89.1	101
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1943	1678
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.1	12.9
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1200	1764
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	0.78	1.49	1	1.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.3	16.8
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.017	0.0201	0.0273	0.0321	NT	NT	NT	NT	NT	NT	NT	0.0166	0.017	0.0201	0.0273	0.0321	0.024	0.0227

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Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB06	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	150	170
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	ND	ND	0.0034	ND	ND	ND	ND	ND	ND
	Arsenic	ND	0.0038	0.0125	ND	ND	ND	ND	ND	ND	ND	0.003	0.0027	ND	0.0027	ND	ND	0.0032	ND
	Barium	0.1568	0.1545	0.1651	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	148	147
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	356	222
	Chromium	ND	ND	0.0043	ND	ND	ND	ND	ND	ND	ND	0.0104	ND	0.0768	ND	ND	0.0127	0.0021	0.021
	Cobalt	0.003	0.0029	0.0032	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
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	68	55.1
	Copper	0.0089	0.0082	0.0098	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	580	560
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.7	29.2
	Lead	ND	ND	0.0023	ND	ND	ND	ND	ND	0.0028	ND	0.0048	ND	0.0491	ND	ND	ND	ND	0.0126
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	56.6	64.4
	Manganese	0.2101	0.1974	0.1885	0.352	0.2544	0.2995	0.3857	0.3813	0.4155	0.4181	0.4954	NT	NT	NT	NT	NT	0.482	0.668
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0005	0.0003	ND	ND	ND	0.00286
	Nickel	ND	0.0102	0.0117	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.6869	0.6679
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.62	5.69
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.82	6.71
	Selenium	0.007	0.0123	0.0367	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
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	0.0088
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	83.3	92
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1564	1571
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	82.9	85.1
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1116	1388
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0031	ND	ND	ND	ND	ND
	Turbidity	3.4	2.43	3.1	1.7	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	21.7	533
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0069	ND	0.0724	ND	ND	ND	ND	0.0204
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.036	0.2789	0.031	0.0321	0.0414	0.0414	0.0321	0.116

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Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB07	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	163	161
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0485	0.0471	0.0588	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	99.5	105
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	150	48.8
	Chromium	ND	0.0039	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0034	ND	ND	ND	ND	ND
	Cobalt	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	NT	NT	ND	13.6
	Copper	0.0086	0.0067	0.0073	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	331	350
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.262	1.07
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0031	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	26.1	29.7
	Manganese	0.0066	0.0046	0.0344	0.0085	ND	ND	0.0043	0.0038	0.0232	0.0772	0.0479	NT	NT	NT	NT	NT	0.0317	0.281
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0003	ND	ND	ND	ND	ND	ND	ND
	Nickel	ND	ND	0.0031	ND	ND	ND	ND	ND	ND	0.0022	ND	0.0024	0.0056	0.0022	ND	ND	0.0047	0.0057
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5482	0.5966
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.04	5.95
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.07	3.23
	Selenium	ND	0.0032	0.0089	0.0025	ND	ND	ND	ND	ND	0.0042	ND	0.0029	0.0054	0.0028	ND	ND	0.0044	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	NT	NT	NT	21.4	23.3
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	760	828.1
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.4	15.2
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	644	764
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	1.1	0.4	3.4	3.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.283	14.3
	Vanadium	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	NT	0.0075	0.023	ND	ND	ND	ND	ND	0.0126

NT: Not Tested
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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB07A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	124	92
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	0.0036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0482	0.0415	0.0377	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	91.8	55.8
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	235	74.5
	Chromium	ND	ND	0.0074	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.0029	ND	0.0041	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0025	0.0027	ND	ND	ND	0.0059
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	17.8	6.1
	Copper	0.0149	0.0099	0.0152	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	420	205
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.239	ND
	Lead	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	51.2	21.7
	Manganese	0.8154	0.2752	1.076	0.1699	0.0904	0.3046	0.0437	0.0237	0.2041	0.1168	0.0692	NT	NT	NT	NT	NT	0.0592	0.753
	Mercury	0.0023	0.0011	0.0025	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
	Nickel	0.0116	ND	0.0136	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.8907	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.51	5.94
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.66	7.32
	Selenium	0.0022	0.0034	0.0103	0.0024	ND	ND	0.0022	ND	ND	0.0042	ND	0.0034	0.0044	0.0032	ND	ND	0.0083	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	NT	NT	NT	30.2	23.8
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	706.7	565.4
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	22.4	3.38
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	784	492
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	0.95	1.28	2.4	5.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.317	6.85
	Vanadium	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	NT	NT	0.0065	0.0086	ND	ND	ND	ND	0.0136

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB08	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	229	245
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Antimony	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	0.0027	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0287	0.0192	0.0211	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
	Beryllium	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	0.0041	ND	NT	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	63.5	71.1
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	34.7	31.2
	Chromium	ND	ND	0.004	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	0.0029	ND	NT	ND	ND	ND	ND	ND	0.0084	0.0078	0.0069	0.0034	ND	ND	0.0052	0.0064
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	4.9
	Copper	0.0102	0.0089	0.0099	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	228	250
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.301	0.675
	Lead	0.0022	ND	0.0032	ND	NT	ND	ND	ND	0.0021	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	5.08	5.08	12.9	16.6
	Manganese	2.5	0.3827	0.5544	0.7419	NT	0.2364	0.0976	0.0716	0.4195	0.2417	8.924	NT	NT	NT	NT	NT	6.29	7.07
	Mercury	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	ND	ND	0.0149	0.0028	NT	ND	ND	ND	0.0028	0.0021	0.0081	0.0089	0.0082	0.0039	ND	ND	0.0083	0.0081
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.04	5.41
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.81	2.87
	Selenium	ND	ND	0.0057	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	NT	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	NT	NT	27.2	31.6
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	523.1	528.2
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.54	4.91
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	284	340
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	1.45	1.36	8.1	22.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.266	0.77
	Vanadium	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0057	0.0039	0.0048	ND	ND	ND	ND	ND

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB08A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	228	233
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.299
	Antimony	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	0.0191	ND	NT	ND	ND	ND	ND	ND	0.0026	0.003	0.0022	ND	ND	ND	0.0023	ND
	Barium	0.0115	0.0107	0.1822	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
	Beryllium	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	0.0052	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	59.4	52.6
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	67.4	39.9
	Chromium	ND	ND	0.0037	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.0054	0.0035	0.0664	ND	NT	ND	ND	ND	ND	ND	0.0184	0.0171	0.0177	0.0094	ND	0.0167	0.0186	0.0135
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	39.2
	Copper	0.0085	0.0165	0.0141	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	570	330
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.85	3.33
	Lead	ND	ND	0.0027	ND	NT	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	NT	NT	23.2	19.2
	Manganese	7.17	2.6	6.84	0.7339	NT	0.2168	0.0206	0.0218	0.1302	0.2202	9.787	NT	NT	NT	NT	NT	8.16	7.9
	Mercury	ND	ND	0.0003	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0121	ND	0.0481	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.65	5.49
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.82	2.73
	Selenium	ND	ND	0.0265	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	NT	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	NT	NT	37	34.7
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	579.9	541.9
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.85	3.04
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	352	336
	Thallium	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	6.3	5.42	8.5	26.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.69	3.8
	Vanadium	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0083	0.0051	0.0045	ND	ND	ND	ND	ND

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB10	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	110	83
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Antimony	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	0.004	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0567	0.0506	0.0407	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	0.0034	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	38.6	37.7
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	82.4	53.3
	Chromium	ND	ND	0.0028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.0044	0.0023	ND	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
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	7.5
	Copper	0.0086	0.0119	0.0078	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	160	161
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.598	1.9
	Lead	0.0247	0.0063	ND	0.0021	ND	ND	ND	ND	ND	ND	0.0021	ND	0.0031	ND	ND	ND	ND	0.0085
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	19.4	18.1
	Manganese	2.59	2.322	2.517	2.196	2.03	20.38	2.248	1.9194	2.04	ND	2.376	NT	NT	NT	NT	NT	2.63	1.31
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	ND	ND	0.0063	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.3	5.98
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.81	2.94
	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	NT	NT	NT	19	20.3
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	413.6	423.9
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.7	ND
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	368	364
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	2.6	7.6	3.8	26.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.09	21.1
	Vanadium	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	NT	NT	0.023	0.0198	0.0087	ND	0.0107	ND	0.0226

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Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB102	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1140	960
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	11.2	12.4
	Antimony	0.0038	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	0.0052	0.0251	ND	ND	ND	ND	ND	ND	0.0042	0.0061	0.0057	0.0196	0.0063	0.0061	ND	0.0065	ND
	Barium	0.0859	0.2397	0.255	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.008	ND	ND	ND	ND	ND
	Cadmium	ND	0.0022	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	0.0021	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	116	113
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	560	128
	Chromium	ND	0.0029	ND	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
	Cobalt	0.0247	0.0591	0.0737	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
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	262	250
	Copper	0.0161	0.0702	0.2655	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	810	158
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.95	9.66
	Lead	0.0025	0.0036	ND	ND	ND	ND	0.0026	ND	0.0046	0.0022	ND	ND	0.0806	ND	0.0055	ND	0.0043	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	94.8	98.7
	Manganese	3.72	16.29	17.81	2.041	4.083	6.425	17.25	25.835	24.56	ND	NT	NT	NT	NT	NT	NT	22.2	20.7
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0006	ND	ND	ND	ND	ND
	Nickel	0.0106	0.0421	0.0781	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.26	5.95
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	37.2	41.7
	Selenium	0.0022	0.0155	0.0661	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
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	613	549
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3522	3493
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	71.9	71.5
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2120	2172
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0087	ND	ND	ND	ND	ND
	Turbidity	13.5	66.5	3.8	6.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	191	202
	Vanadium	0.0021	0.0045	0.0098	ND	ND	ND	ND	ND	0.0047	ND	ND	0.003	0.1443	ND	0.0105	ND	0.0104	0.0124
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.021	1.254	0.0248	0.0424	0.0776	0.0464	0.0402

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB105	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	810	1710
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.4	61.8
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	NT	NT	0.0184	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
	Barium	NT	NT	0.1957	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
	Beryllium	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026	ND
	Cadmium	NT	NT	ND	ND	ND	ND	ND	ND	ND	0.0079	0.0125	NT	NT	NT	NT	NT	0.0047	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	156	124
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	328	265
	Chromium	NT	NT	0.0068	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
	Cobalt	NT	NT	0.0095	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
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	173	258
	Copper	NT	NT	0.0177	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	900	870
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	85.3	31.2
	Lead	NT	NT	0.0039	0.0054	ND	0.0024	ND	ND	0.0033	0.0033	ND	ND	0.0033	0.0021	ND	ND	0.0268	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	129	152
	Manganese	NT	NT	2.301	0.8784	1.85	2.046	1.112	2.1005	2.237	ND	1.481	NT	NT	NT	NT	NT	3.58	1.97
	Mercury	NT	NT	ND	ND	ND	ND	ND	0.0108	ND	ND	ND	ND	0.0004	ND	ND	ND	0.0038	ND
	Nickel	NT	NT	0.0185	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.81	6.33
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	35.7	136
	Selenium	NT	NT	0.0462	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
	Silver	NT	NT	0.0262	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	NT	NT	286	468
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3384	3886
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	346	105
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1736	2400
	Thallium	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	NT	NT	24.3	31.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1215	338
	Vanadium	NT	NT	ND	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
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0175	0.0799	0.1131	0.0352	0.0501	0.556	0.031

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Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB11	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	201	165
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Antimony	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	0.0055	ND	ND	ND	0.0021	ND	0.0024	ND	ND	ND	ND
	Barium	0.0199	0.0209	0.0435	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.0059	0.0074	ND	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
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	126	108
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	330	393
	Chromium	ND	ND	ND	ND	ND	ND	0.0023	ND	ND	ND	0.0027	ND	0.0037	ND	ND	ND	ND	ND
	Cobalt	ND	ND	0.0027	ND	0.0025	0.0613	0.0027	0.0452	ND	ND	ND	ND	0.0036	ND	ND	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	27.5	28.2
	Copper	0.0061	0.009	0.0122	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	550	510
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.454	0.84
	Lead	ND	0.0022	ND	ND	ND	ND	0.0074	0.0028	0.0026	0.0023	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	60.1	59.1
	Manganese	0.3884	0.3165	2.254	0.2674	0.5659	ND	0.7036	5.365	0.6313	0.5976	0.8841	NT	NT	NT	NT	NT	0.862	0.7
	Mercury	ND	ND	ND	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
	Nickel	0.0105	0.0114	0.0065	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.69	5.03
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.56	8.25
	Selenium	ND	ND	0.0028	ND	ND	ND	ND	0.0034	ND	ND	ND	0.0036	0.0043	0.0029	ND	ND	0.0049	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	NT	NT	NT	56.7	59.9
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1339	1340
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.96	8.47
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1208	1152
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	1.5	3.66	2.5	1.6	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	1.16	3.65
	Vanadium	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	NT	0.0389	0.04	0.0427	0.038	0.0508	0.0508	0.0432	0.0309

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Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB11A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	270	282
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.222	0.817
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0033	0.0032	ND	ND	ND	ND	0.0087	ND	0.0027	ND	ND	ND	0.0072	0.0031	ND	ND	ND	ND
	Barium	0.1826	0.1753	0.0092	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.0054	0.0058	ND	0.0048	ND	0.0061	0.01	0.0076	0.0051	0.005	ND	NT	NT	NT	NT	NT	0.0025	0.0101
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	99	92.5
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	310	262
	Chromium	ND	ND	0.0026	ND	ND	ND	0.0025	ND	ND	ND	ND	ND	0.0024	ND	ND	0.0102	ND	ND
	Cobalt	0.065	0.0341	0.0025	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
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	30.8	32.3
	Copper	0.0101	0.0071	0.0061	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	540	500
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.61	4.65
	Lead	0.0067	0.0037	0.0024	ND	ND	ND	0.0179	0.0026	0.003	0.0031	ND	ND	0.0079	ND	ND	ND	ND	0.0059
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	69.2	64.2
	Manganese	6.99	6.386	1.182	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
	Mercury	ND	ND	ND	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
	Nickel	0.0343	0.0224	0.0055	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.01	5.28
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.71	7.17
	Selenium	ND	ND	0.0042	ND	ND	ND	0.0048	ND	0.0022	0.0022	ND	0.0029	0.0067	0.0022	ND	ND	0.0048	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	NT	NT	NT	107	97.5
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1444	1363
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.6	14.9
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1192	1032
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	11.1	97.7	1.7	24.1	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	1.97	19.4
	Vanadium	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	NT	0.0193	0.0229	0.0219	0.025	0.0305	0.0305	0.0249	0.025

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Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB12	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	110	100
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Antimony	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	NT	NT	0.0297	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
	Beryllium	NT	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	33.3	39
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	69.9	83.9
	Chromium	NT	NT	0.003	NT	NT	NT	NT	0.0024	ND	ND	0.0104	ND	ND	ND	ND	ND	ND	ND
	Cobalt	NT	NT	ND	NT	NT	NT	NT	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	NT	NT	ND	12.1
	Copper	NT	NT	0.0075	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	165	189
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.368	ND
	Lead	NT	NT	ND	NT	NT	NT	NT	ND	0.0032	0.0032	0.0046	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	19.7	23.4
	Manganese	NT	NT	0.1163	NT	NT	NT	NT	1.03	0.6074	0.2305	0.1681	NT	NT	NT	NT	NT	0.102	0.131
	Mercury	NT	NT	ND	NT	NT	NT	NT	0.0006	0.0004	0.0005	0.0011	ND	0.0015	0.0007	ND	ND	0.0003	ND
	Nickel	NT	NT	0.0041	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.622	2.25
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.84	6.14
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3	3.04
	Selenium	NT	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	NT	NT	ND	NT	NT	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	NT	NT	NT	24.5	27.8
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	481.7	511.8
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.14	14.9
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	308	400
	Thallium	NT	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	NT	NT	3.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.49	5.15
	Vanadium	NT	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.013	0.0478	0.0222	0.0236	0.0125	ND	0.0134

NT: Not Tested
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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB015	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	242	93
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.646	0.228
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0105	ND	0.031	ND	ND	ND	ND	0.0031	ND	ND	0.0366	ND	ND	ND	ND	ND	0.0069	ND
	Barium	0.0795	0.0487	0.9	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
	Beryllium	ND	ND	0.009	ND	ND	ND	ND	0.0039	ND	ND	0.0088	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	0.015	ND	ND	ND	ND	ND	ND	ND	0.0099	NT	NT	NT	NT	NT	0.0042	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	29.5	20.3
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.16	3.48
	Chromium	0.02	0.0034	0.425	0.0047	ND	ND	ND	0.1041	ND	0.009	0.3214	ND	0.0521	ND	ND	ND	0.019	ND
	Cobalt	0.0155	0.0061	0.293	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
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	49.3	11.1
	Copper	0.0497	0.0133	0.773	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	600	270
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	54.9	16
	Lead	0.0413	0.0031	0.299	0.006	ND	ND	0.0026	0.0242	ND	0.0088	0.1747	ND	0.0409	ND	ND	ND	0.017	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	23.2	24.5
	Manganese	1.035	0.7007	7.311	5.642	0.068	3.5	ND	6.422	4.44	ND	9.2235	NT	NT	NT	NT	NT	5.73	4.5
	Mercury	ND	ND	0.0006	ND	ND	ND	ND	ND	ND	ND	0.0003	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0255	ND	0.629	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.01	6.62
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.15	2.3
	Selenium	ND	ND	ND	ND	ND	ND	ND	0.0134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	35	14.5
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	576.4	368.7
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	78.6	78.1
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	328	252
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0024	ND	0.0024	ND	ND	ND	ND	ND
	Turbidity	255	102	592	167	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	125	53.8
	Vanadium	0.006	ND	0.198	0.0029	ND	ND	ND	0.039	ND	0.0032	0.1477	ND	0.0282	ND	ND	ND	0.0052	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0081	1.2155	0.022	0.021	0.0955	0.0955	0.698	0.0329

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location OB25	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	423	416
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.57	0.771
	Antimony	ND	ND	ND	0.0256	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	0.0041	0.0065	ND	ND	0.0034	ND	ND	0.004	ND	ND	ND	ND	0.0024	ND	ND	0.0037	0.012
	Barium	0.0851	0.1423	0.1118	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
	Beryllium	ND	ND	ND	0.0046	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0137	0.0057
	Cadmium	ND	ND	ND	0.0065	ND	ND	ND	ND	0.0024	ND	ND	NT	NT	NT	NT	NT	0.0174	0.0072
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	111	89.9
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	156	183
	Chromium	ND	0.0182	0.006	ND	ND	0.0228	0.0035	ND	0.0652	ND	ND	ND	0.0046	0.0089	ND	ND	0.105	0.141
	Cobalt	0.0138	0.0102	0.0289	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
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1080	79.4
	Copper	0.0105	0.0382	0.0214	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	740	520
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	239	210
	Lead	ND	0.0401	0.0043	ND	ND	0.0086	ND	ND	0.026	0.0021	ND	ND	ND	0.0026	ND	ND	0.148	0.0358
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	82.8	109
	Manganese	16.2	0.3974	20.94	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0003	ND
	Nickel	ND	0.0215	0.0281	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.6782	2.31
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.19	5.51
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	17.6	15.9
	Selenium	ND	ND	0.006	ND	ND	0.0025	ND	ND	0.0053	ND	ND	ND	0.0023	ND	ND	ND	0.0364	0.0172
	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	NT	NT	NT	84	76.6
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1301	1340
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	71.8	75.3
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	888	916
	Thallium	ND	ND	ND	0.0054	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	37	966	225	94	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10100	3870
	Vanadium	ND	0.0238	0.0127	ND	ND	0.0171	0.0022	ND	0.0629	ND	ND	ND	ND	0.0087	ND	ND	0.156	0.129
	Zinc	0.0487	0.1868	0.0263	0.0243	0.0243	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.95	1.09

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location ST015	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	80	115
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.239
	Antimony	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Arsenic	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Barium	NT	NT	NT	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
	Beryllium	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Cadmium	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	33.4	36.7
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	58.2	102
	Chromium	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0041	ND	ND
	Cobalt	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0027	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	7.2
	Copper	NT	NT	NT	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	160	180
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.372	0.814
	Lead	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0032	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.7	17.6
	Manganese	NT	NT	NT	NT	NT	0.2846	0.1448	0.1394	0.1185	0.1826	0.1261	NT	NT	NT	NT	NT	0.101	0.294
	Mercury	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Nickel	NT	NT	NT	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.465	1.3279
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.39	7.19
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.59	3.08
	Selenium	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Silver	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	24.5	59
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	386.7	538.8
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	20.7	15.6
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	280	368
	Thallium	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND
	Turbidity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.04	5.24
	Vanadium	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0027	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0246	0.0187	0.0296	NT	0.0536	0.0202	0.0243

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location ST120	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	64	74
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Antimony	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0335	0.0475	NT	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
	Beryllium	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	25.7	34
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	197
	Chromium	ND	0.0024	NT	ND	ND	ND	ND	ND	0.0021	0.0021	0.0026	0.0027	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	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	NT	NT	NT	ND	7
	Copper	0.0084	0.009	NT	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	340	150
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.525	1
	Lead	ND	ND	NT	ND	ND	ND	ND	ND	0.0031	0.0028	ND	0.0021	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.3	19.1
	Manganese	0.0968	0.1685	NT	0.1527	0.0988	0.2052	0.0878	0.0937	0.2585	0.2074	0.2912	NT	NT	NT	NT	NT	0.0634	0.238
	Mercury	ND	ND	NT	ND	ND	ND	ND	ND	0.0006	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	ND	ND	NT	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.029	1.2126
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.41	5.96
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.88	3
	Selenium	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	NT	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	NT	NT	27.5	170
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	370.8	1116
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.6	17.2
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	244	720
	Thallium	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	3.5	3.74	NT	4.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.12	8.2
	Vanadium	ND	ND	NT	ND	ND	ND	ND	ND	0.004	ND	0.0033	0.0028	ND	ND	ND	ND	ND	ND
	Zinc	0.0055	ND	ND	0.0115	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.0124

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location ST65	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	70	235
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
	Antimony	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
	Barium	0.0305	0.0475	0.0293	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	18.1	40
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	51.7	85.7
	Chromium	ND	0.0031	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	0.0074	ND	ND	ND	ND	ND	0.0134	ND	ND	ND	ND	0.0137	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	34.8	34.7
	Copper	0.0082	0.0104	0.0076	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	100	222
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.1	0.529
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0032	ND	ND	ND	ND	ND	ND	0.0036	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.6	30.7
	Manganese	0.0524	0.1072	0.0291	0.0991	0.2133	0.5262	0.052	0.112	0.0871	0.2699	0.0559	NT	NT	NT	NT	NT	2.37	0.0486
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	ND	ND	0.0026	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.7773
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.7	6.31
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.92	14.3
	Selenium	ND	ND	0.0044	ND	ND	0.0024	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	NT	NT	NT	25.7	110
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	302.3	884.2
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.32	42.1
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	196	500
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	1.5	1.88	0.2	4.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	90.3	5.03
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0036	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0185	0.0032	ND	ND	0.0058	0.0165	0.0053

NT: Not Tested
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Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location ST70	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	109	106
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.497
	Antimony	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0564	0.0344	NT	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
	Beryllium	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	38.2	37.9
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	85.8	68.8
	Chromium	0.0095	0.0093		0.0031	0.0024	ND	ND	ND	0.0167	0.0202	0.013	0.0034	0.0194	0.0033	ND	0.0422	ND	ND
	Cobalt	ND	ND	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	NT	NT	NT	ND	14.1
	Copper	0.0097	0.0179	NT	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	170	150
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.421	0.98
	Lead	ND	0.0046	NT	ND	ND	ND	ND	ND	ND	0.0023	ND	ND	0.0039	ND	ND	0.0027	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	16.3	15.9
	Manganese	0.1095	0.1154	NT	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
	Mercury	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	ND	0.0134	NT	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.8591	1.124
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.54	6.61
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.3	4.4
	Selenium	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	NT	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	NT	NT	34.2	69.8
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	520.6	625.1
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	20.8	18.4
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	352	392
	Thallium	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	1.9	46.3	NT	16.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.96	9.24
	Vanadium	ND	0.0033	NT	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	NT	NT	0.0167	0.0187	0.016	ND	0.0342	ND	0.0166

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

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	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
Monitoring Location ST80	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	48	110
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.456
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.025	0.0854	NT	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
	Beryllium	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	16.2	37.9
	Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	32.6	92.3
	Chromium	ND	0.0061	NT	ND	ND	ND	ND	0.0042	ND	ND	ND	0.0026	0.0021	ND	ND	ND	ND	ND
	Cobalt	ND	0.0071	NT	ND	ND	ND	ND	ND	0.0023	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	12.5
	Copper	0.0063	0.0126	NT	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	70	152
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.32	0.821
	Lead	ND	0.008	NT	ND	ND	ND	ND	ND	0.0028	0.0023	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.41	15.4
	Manganese	0.151	0.7204	NT	0.115	0.3743	0.1672	0.2107	0.1439	0.7916	0.0739	0.132	NT	NT	NT	NT	NT	0.126	0.174
	Mercury	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	ND	0.0109	NT	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.8957	1.1925
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.65	7.37
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.08	4.64
	Selenium	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	NT	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	NT	NT	17.4	69
	Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	216.2	616.7
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.16	17.3
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	144	380
	Thallium	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	2.5	28.3	NT	51	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.85	7.23
	Vanadium	ND	0.0148	NT	ND	ND	ND	ND	0.0045	0.003	ND	ND	0.0028	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0091	0.0085	0.0066	ND	0.0078	ND	0.0119

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Appendix E

Table of Groundwater Elevations and Groundwater Elevation Contour Map

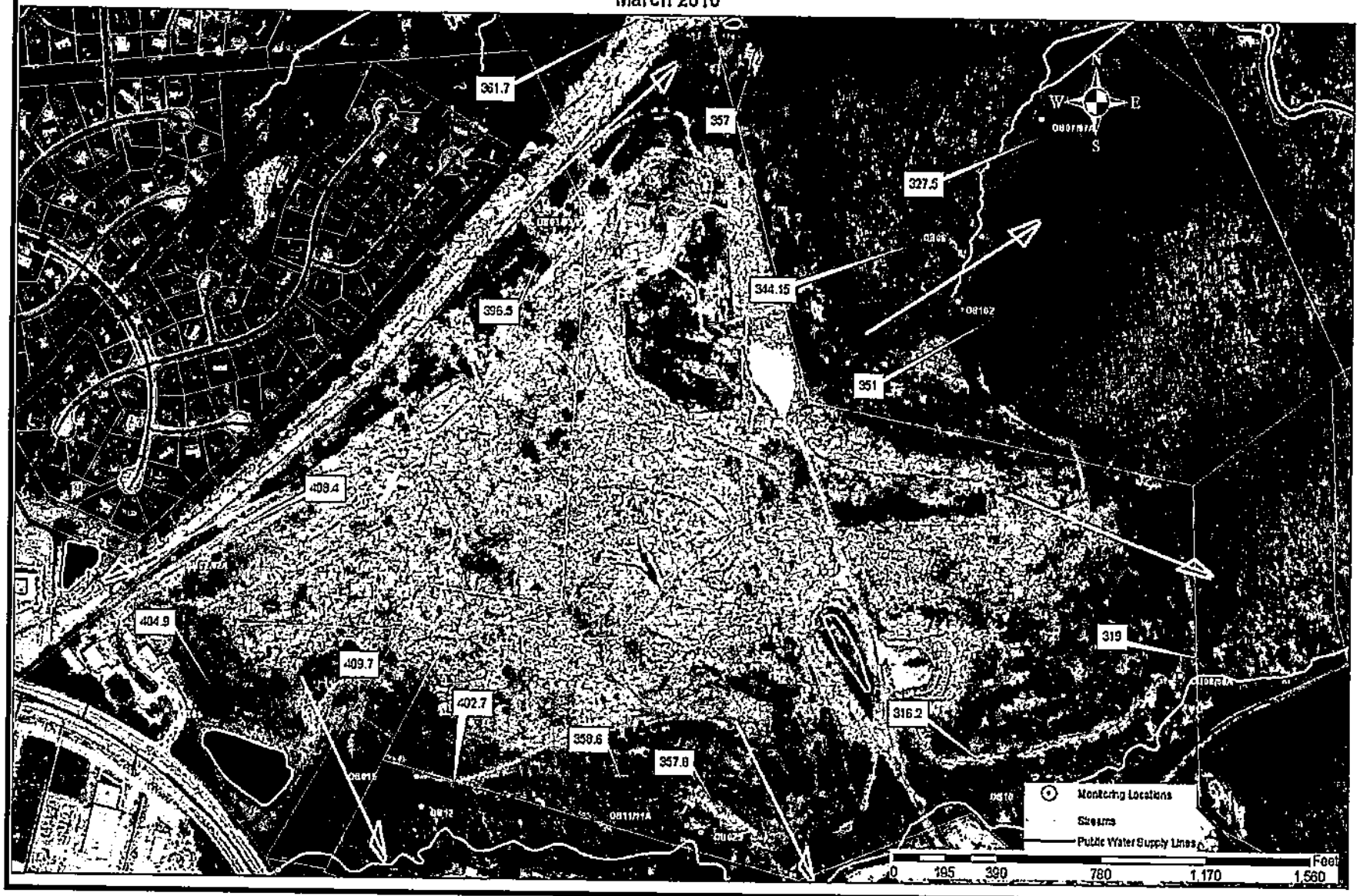
Results in (ft. AMSL)

TABLE 5 - Water Table Elevations
Gude Landfill

STATION ID	Well Elevation (ft)	4-09 Water Elevation (ft)	9-2009 Water Elevation (ft)	3-10 Water Elevation (ft)	Elevation Change (ft)	
OB01	416	399.7	399.9	404.9	5.0	
OB02	421	403.3	403.5	408.4	4.9	
OB02A	421	403.5	403.2	409.85	6.7	
OB03	414	387.5	387.45	396.6	9.2	
OB03A	414	387.8	388.3	396.4	8.1	
OB04	361	356.2	355.3	357.5	2.2	
OB04A	361	355.4	354.9	356.8	1.9	
OB06	351	340.6	339.5	344.15	4.6	
OB07	332	323.5	321.7	327.4	5.7	
OB7A	332	323.2	322.2	327.5	5.3	
OB08	324	317.2	316.2	319.8	3.6	
OB08A	324	316.5	315.6	317.9	2.3	
OB10	322	315.6	314.75	316.2	1.4	
OB102	361	347.7	347.5	351	3.5	
OB105	364	360.6	360.2	361.7	1.5	
OB11	365	356.5	355.3	358.4	3.1	
OB11A	365	356.9	355.9	359	3.1	
OB12	417	399.4	398.2	402.7	4.5	
OB015	427	405.4	404.3	409.7	5.4	
OB025	364	355.7	354.8	357.8	3.0	
AVERAGE WATER ELEVATION CHANGE (ft)					4.3	

Elevations are from Sea Level

March 2010 Data

General Groundwater Flow Direction at Gude Landfill

March 2010