DEPARTMENT OF ENVIRONMENTAL PROTECTION

Isiah Leggett
County Executive

Robert G. Hoyt
Director

July 15, 2009

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 April 2009. The Montgomery County Department of Environmental Protection (DEP) has operated a groundwater and surface water monitoring program for the Gude Landfill since 1984. This report is based on the approved plan from MDHMH that has been our guidance for monitoring the Gude Landfill since 1984. As you may be aware, Montgomery County was recently requested by the Maryland Department of the Environment (MDE) to submit an updated Groundwater and Surface Water Monitoring Plan (G&SWM) to monitor the water quality contamination in and around the Gude Landfill in Montgomery County. Based on requirements and guidelines provided by MDE through a letter dated January 28, 2009, the County developed a G&SWM plan which was forwarded to MDE for approval on March 27, 2009. The submitted G&SWM plan was approved by MDE on May 11, 2009. Please note that future monitoring reports will be based on the approved G&SWM Plan.

The latest monitoring activities, which were conducted in April 2009 (prior to the approval of the new G&SWM plan for Gude Landfill), has been based on the 1984 monitoring program. In order to establish a benchmark for future reporting and provide background information, this "transitional report" has been prepared to report and evaluate groundwater and surface water data from 2001 to the present (Gude data in electronic format) with emphasis on the most recent monitoring results (April 2009).

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 Contamination Level (MCL) in monitoring locations OB01, OB02, OB02A, OB04, OB04A, OB06, OB07, OB07A, OB10, OB-12, OB102, OB105, OB15, OB25, ST120, ST70, ST80, and ST15.
- A total of 29 VOCs exceeded the recommended MCL in monitoring locations OB03 (with 5 exceedances), OB03A (with 4 exceedances), OB08 (with 1 exceedance), OB08A (with 1 exceedance), OB11 (with 7 exceedances), OB11A (with 6 exceedances), OB12(with 3 exceedances), OB15 (with 1 exceedance), and ST65(with 1 exceedance).
- 45% of MCL exceedances were detected at observation well OB11/OB11A located on the south side (front side) of the landfill and 31% of MCL exceedances were detected at observation well OB03/OB03A located on the north side (back side) of the landfill.
- 1,2-Dichloropropane concentration exceeded the MCL of 5 ug/l for drinking water in Observation wells OB03, OB03A, OB11, and OB11A. Concentrations exceeding MCL for this compound ranged from 6.44 ug/l to 16.14 ug/l .
- Benzene concentration exceeded the MCL of 5 ug/L in OB03, OB011, and OB11A. Detected concentrations exceeding MCL ranged from 5.53 ug/l to 9.56 ug/l.
- cis-1,2-Dichloroethene concentration exceeded the MCL of 70 ug/l for drinking water in observation wells OB03, OB03A, OB11, and OB11A. Concentrations exceeding the MCL for this compound ranged from 137.52 ug/l to 190.55 ug/L
- Tetrachloroethene concentration exceeded the MCL of 5 ug/L for drinking water in observation wells OB11, OB11A, and OB12. Concentrations exceeding MCL for this compound ranged from 7.95 ug/L in OB12, 44.75 ug/L in OB 11A, and 67.92 ug/L in OB11.
- Trichloroethene concentration exceeded the MCL of 5 ug/L for drinking water in observation wells OB03, OB03A, OB11, OB11A and OB12 and stream location ST65. Concentrations exceeding the MCL for this compound ranged from 7.13 ug/L at ST65 to 130.79 ug/L at OB03.
- Vinyl Chloride concentration exceeded the MCL of 2 ug/L for drinking water in observation wells OB03, OB03A, OB08, OB08A, OB11, OB11A, OB12, and OB15 and at one surface water site (ST08). Concentrations exceeding the MCL for this compound ranged from 2.04 ug/L at ST08 to 28.49 ug/L at OB03.

ELEMENTS AND INDICATORS:

None of the metals analysis exceeded the recommended Maximum Contamination Levels (MCL) contained in National Primary Drinking Water Regulations in any of the monitoring sites.

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. 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 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

July 2009

Report Period: Apri 2009

Prepared by Montgomery County Department of Environmental Protection

Prepared for Maryland Department of Environment, Solid Waste Program

July 16, 2009

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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:

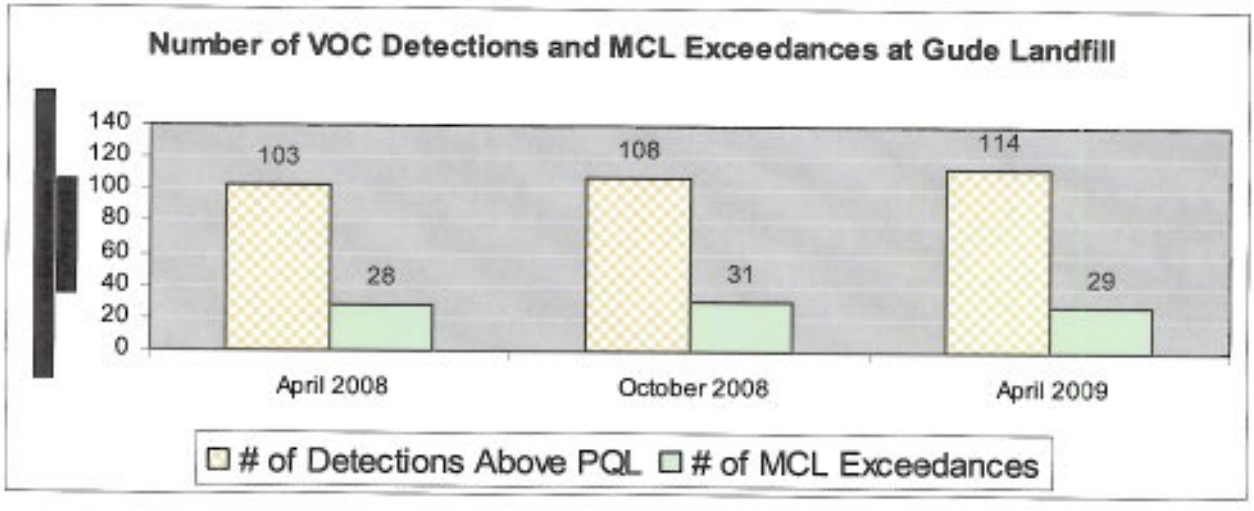
- VOC sampling results;
- Metals sampling results;
- Groundwater elevation and flow;
- Trends Analysis/Conclusions

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.

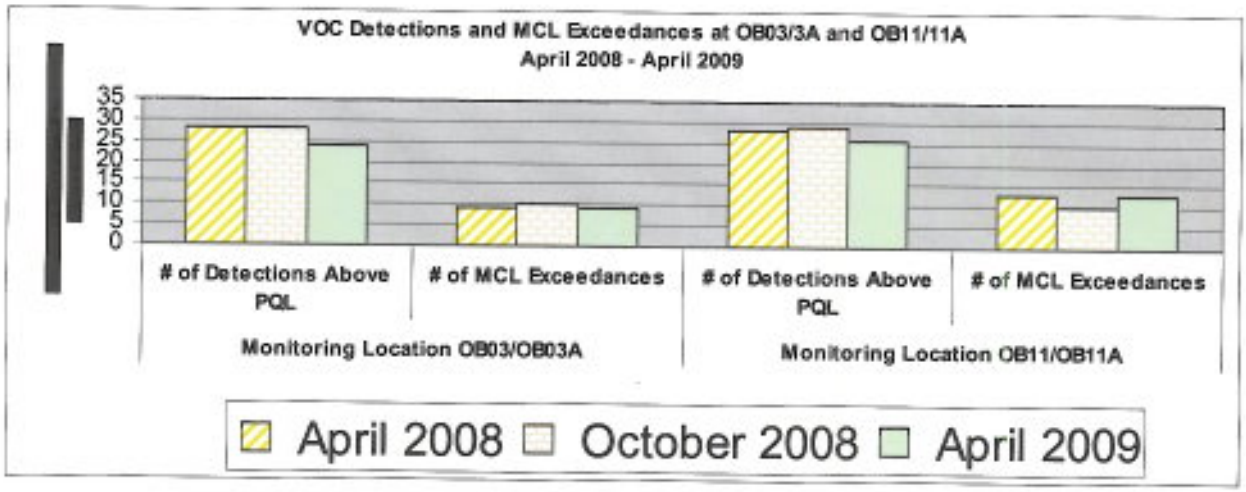
- The concentrations of VOCs in groundwater are similar to those that were recorded during the past monitoring activities.
- Results obtained for this reporting period are comparable with previously recorded observations in both number of detections and concentrations of contaminants for both PQL (practical quantitative limit) and MCL (maximum contaminate limit).



- For this monitoring period, no VOCs were detected above recommended Maximum

Contamination Level (MCL) in monitoring locations OB01, OB02, OB02A, OB04, OB04A, OB06, OB07, OB07A, OB10, OB-12, OB102, OB105, OB15, OB25, ST120, ST70, ST80, and ST15.

- A total of 29 VOCs exceeded the recommended MCL in monitoring locations OB03 (with 5 exceedances), OB03A (with 4 exceedances), OB08 (with 1 exceedance), OB08A (with 1 exceedance), OB11 (with 7 exceedances), OB11A (with 6 exceedances), OB12(with 3 exceedances), OB15 (with 1 exceedance), and ST65(with 1 exceedance).
- 45% of MCL exceedances were detected at observation well OB11/OB11A located on the south side (front side) of the landfill and 31% of MCL exceedances were detected at observation well OB03/OB03A located on the north side (back side) of the landfill. High number of detections above the MCL for some of the VOCs at monitoring locations OB03/OB03A and OB11/OB11A is consistent with prior monitoring observations. (Adjacent observation wells are designated in the following format [OBxx/OBxxA] are adjacent wells with different depths and are constructed only a few feet apart.)



- 1,2-Dichloropropane concentration exceeded the MCL of 5 ug/l for drinking water in Observation wells OB03, OB03A, OB11, and OB11A. Concentrations exceeding the MCL for this compound ranged from 6.44 ug/l to 16.14 ug/l .
- Benzene concentration exceeded the MCL of 5 ug/L in OB03, OB011, and OB11A. Detected concentrations exceeding the MCL ranged from 5.53 ug/l to 9.56 ug/l.
- cis-1,2-Dichloroethene concentration exceeded the MCL of 70 ug/l for drinking water in observation wells OB03, OB03A, OB11, and OB11A. Concentrations exceeded MCL for this compound ranged from 137.52 ug/l to 190.55 ug/L
- Tetrachloroethene concentration exceeded the MCL of 5 ug/L for drinking water in observation wells OB11, OB11A, and OB12. Concentrations exceeding the MCL for this compound ranged from 7.95 ug/L in OB12, 44.75 ug/L in OB 11A, and 67.92 ug/L in OB11.
- Trichloroethene concentration exceeded the MCL of 5 ug/L for drinking water in observation wells OB03, OB03A, OB11, OB11A and OB12 and stream location ST65. Concentrations exceeding the MCL for this compound ranged from 7.13 ug/L at ST65 to 130.79 ug/L at OB03.
- Vinyl Chloride concentration exceeded the MCL of 2 ug/L for drinking water in observation wells OB03, OB03A, OB08, OB08A, OB11, OB11A, OB12, and OB15. Concentrations exceeding the MCL for this compound ranged from 2.04 ug/L at ST08 to

28.49 ug/L at OB03.

- 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 April 2009 sampling event. Table 2 shows the monitoring results for the past several years.

2. Inorganic and Metals Sampling Results:

None of the metals analysis exceeded the recommended Maximum Contamination Levels (MCL) contained in National Primary Drinking Water Regulations in any of the monitoring sites. 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:

No physical water quality parameter measurements were conducted for this reporting period. Measurements on physical water quality will be included in this report according to the approved G&SWM for the next scheduled monitoring period.

4. Groundwater Elevations and Flow:

The April 2009 groundwater elevation measurements for all monitoring wells are included in Table 5 (data collected for first time). Analysis with respect to groundwater elevation changes and flow patterns will be included for the next monitoring cycle scheduled for the Fall 2009 (as required in the G&SWM Plan).

5. Conclusions/Trend Analysis:

A data review and analysis of the monitoring results for the past several years (2001 to present) indicates:

I. There are indications of some (below toxic levels) groundwater and surface water contamination in the vicinity of Gude Landfill.

II. Detected contaminants at Gude Landfill involve mainly chlorinated solvent degradation products including 1,1-Dichloroethane, 1,2-Dichloropropane, cis-1,2-Dichloroethene, Tetrachloroethene, Trichloroethene, Benzene, 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

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
APRIL 2009	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	2009-S	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	1.02	ND	ND	48.38	46.99	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropa	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	4.81	4.1	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	16.14	13.54	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	NT	NT	NT	NT	NT	NT	NT	NT	NT
	2-Hexanone	NT	NT	NT	NT	NT	NT	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	ND	ND	ND	5.53	4.08	1.68	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	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	2.76	3.73	ND	1.07	ND	ND
	Chloroethane	ND	ND	ND	1.61	1.69	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	1.15	9.19	164.77	137.52	18.92	24.4	2.55	1.45
	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	1.42	2.98	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.2	ND	ND	4.49	3.67	1.99	1.7	ND	1.3
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	11.02	9.08	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Trichloroethene	ND	ND	1.01	130.79	113.09	1.82	1.87	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	ND	ND	ND	29.48	27.36	1.47	1.65	ND	ND

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

TABAL 1 - Volatile Organic Compounds

APRIL 2009

Parameter	OB07A	OB08	OB08A	OB10	OB102	OB105	OB11	OB11A	OB12
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	31.01	23.08	10.97
1,1-Dichloroethene	ND	ND	1.07	ND	ND	ND	0.89	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	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	4.66	3.6	ND
1,2-Dichloropropane	ND	1.24	2.11	ND	ND	ND	8.28	6.44	3.62
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Hexanone	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acetone	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzene	ND	ND	1.09	ND	ND	ND	9.56	6.67	1.82
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	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	22.02	3.43	ND	3.43	ND	52.75	33.51	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	2.61
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	3.51	10.93	22.57	ND	1.54	ND	190.55	148.44	26.86
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	28.72	2.72	4.91
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	6.41	5.76	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	2.66	ND	ND	ND	ND	ND	67.92	44.75	7.95
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	1.48	ND	ND	ND	7.15	5.07	1.23
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-buten	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethene	ND	ND	1.52	ND	ND	ND	53.74	39.05	6.22
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	4.58	2.09	ND
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	ND	2.04	5.16	ND	ND	ND	15.64	13.43	6.99

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

TABAL 1 - Volatile Organic Compounds

APRIL 2009

Parameter	OB15	OB25	ST015	ST120	ST65	ST70	ST80
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	4.04	ND	ND	ND	1.13	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	ND	ND	ND	1.34	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NT	NT	NT	NT	NT	NT	NT
2-Hexanone	NT	NT	NT	NT	NT	NT	NT
4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT
Acetone	NT	NT	NT	NT	NT	NT	NT
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT
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	ND	ND	ND	ND
Carbon disulfide	NT	NT	NT	NT	NT	NT	NT
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	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	1.17	4.12	ND	1.15	9.43	1.17	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	NT	NT	NT	NT	NT	NT	NT
Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	7.27	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	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-buten	NT	NT	NT	NT	NT	NT	NT
Trichloroethene	ND	ND	2.2	ND	7.13	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	2.78	ND	ND	ND	1.29	ND	ND

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

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2001-F	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
OB01	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,1-Dichloroethane	4.84	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
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2-Dichloropropane	ND	2.92	ND	ND	2.34	1.16	1.88	ND	1.1	1.45	1.28	1.04	ND	ND	NS	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	1.75	ND	1.23	ND	1.37	ND	2.16	1.51	1.78	ND	NS	ND
	2-Butanone	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	ND	ND	ND	ND	1.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Carbon disulfide	ND	ND	ND	ND	ND	1.04	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.26	ND	1.21	ND	NS	ND
	Chloroethane	ND	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Chloromethane	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND
	cis-1,2-Dichloroethene	10.88	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
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Dichloromethane	2.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	1.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Tetrachloroethene	ND	1.61	ND	2.2	ND	ND	ND	ND	ND	ND	1.26	ND	ND	ND	NS	1.2
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	trans-1,2-Dichloroethene	ND	1.03	ND	ND	3.35	ND	1.08	ND	1.09	ND	1.13	ND	1.42	ND	NS	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Trichloroethene	7.59	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
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Vinyl Acetate	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NT	NT	NT	NT	ND	NT	5.13	ND	4.4	3.32	5.26	1.42	4.75	1.31	NS	ND

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

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2001-F	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
OB02	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	1.48	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	1.13	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	1.28	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	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
	2-Butanone	NT	NT	NT	NT		NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	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	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	1.92	ND	ND	ND	ND	ND	ND	ND	1.33	ND	ND	ND	ND	ND	NT	NT
	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	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	ND	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
	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	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	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	1.22	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	1.35	ND	ND	1.84	2.89	ND	ND	ND	1.67	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	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	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	ND	8.04	4.92	ND	1.36	2.04	ND	ND	ND	ND	ND	NT	NT
	Trichlorofluoromethane	1.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NT	NT	NT	NT	ND	NT	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

Location	Parameter	2001-F	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
OB02A	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	4.01	1.84	4.14	5.4	5.99	1.77	1.24	ND	1.1	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	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	1.24	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
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	ND	ND	ND	2.76	3.5	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	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	ND	ND	ND	NT	NT
	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	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	67.24	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
	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	1.31	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	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	1.05	ND	ND	6.6	12.1	1.52	1.05	2.46	1.45	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	1.2	ND	1.2	1.67	3.37	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	ND	ND	ND	ND	ND
	Trichloroethene	3.77	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
	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	NT
	Vinyl Chloride	NT	NT	NT	NT	NT	NT	3.45	1.39	1.74	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	2001-F	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
OB03	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	3.77	4.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	49.88	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
	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	1.63	ND	ND	ND	ND	ND	ND	ND	1.07	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	1.59	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
	1,2-Dichloroethane	2.73	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
	1,2-Dichloropropane	9.57	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
	1,4-Dichlorobenzene	6.69	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
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	8.08	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
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	2.12	ND	1.3	ND	1.03	ND	ND	ND	ND	ND	NT	NT
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	2.12	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
	Chloroethane	3.32	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
	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	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	66.93	88.85	11.41	48.32	86.56	47.05	67.11	56.21	98.51	71.67	128.85	87.59	148.91	161.47	120.9	164.77
	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	3.22	ND	ND	ND	13.2	ND	ND	ND	6.33	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	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	5.57	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	1.7	ND	ND	ND	ND	ND	ND	ND	ND	1.33	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	61.57	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
	Toluene	ND	1.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.46	ND	ND
	trans-1,2-Dichloroethene	5.02	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
	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	ND	ND	ND	NT	NT
	Trichloroethene	71.9	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
	Trichlorofluoromethane	3.83	6.87	ND	2.38	2.87	ND	ND	3.3	2.44	3.18	4.34	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NT	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

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2001-F	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-First	2008-S	2009-F
OB03A	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
	Parameter	2001-F	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
	1,1,2-Trichloroethane	4.2	4.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	53.49	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
	1,1-Dichloroethene	ND	1.22	1.11	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	1.58	2.18	ND	1.1	ND	ND	2	ND	1.54	ND	2.11	1.23	2.07	2	1.65	ND
	1,2-Dichloroethane	2.93	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
	1,2-Dichloropropane	10.02	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
	1,4-Dichlorobenzene	6.74	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
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	9.53	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
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	NT	NT
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	2.03	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
	Chloroethane	3.07	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
	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	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	70.88	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
	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	7.3	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	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	1.4	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	71.56	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
	Toluene	ND	ND	ND	1.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.05	ND	ND
	trans-1,2-Dichloroethene	5.32	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
	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	ND	ND	ND	NT	NT
	Trichloroethene	78.18	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
	Trichlorofluoromethane	4.57	8.19	7.16	ND	ND	ND	3.01	ND	ND	ND	3.77	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NT	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

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2001-F	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
OB04	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	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	1.98	ND	2.22	ND	5.11	ND	5.96	5.53	6.19	ND	ND	ND
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	11.51	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	1.33	ND	1.65	1.7	1.85	ND	1.21	1.68
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	1.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
	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	1.11	1.05	1.19	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	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	9.92	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
	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	2	ND	ND	ND	ND	ND	ND	ND	2.53	ND	1.48	1.6	1.42	ND	ND	1.42
	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	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	1.91	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
	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	ND	ND	ND	ND	ND
	Trichloroethene	1.59	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
	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	NT
	Vinyl Chloride	NT	NT	NT	NT	NT	NT	ND	ND	1.57	ND	1.33	1.23	1.7	ND	ND	1.47

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

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2001-F	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
OB04A	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	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	4.99	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
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	ND	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
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	NT	NT
	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	1.08	1.02	1.17	ND	ND	1.07
	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	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	23.24	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
	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	2.44	ND
	Dichloromethane	8.87	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
	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	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	2.06	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
	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	ND	ND	ND	NT	NT
	Trichloroethene	2.05	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
	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	NT
	Vinyl Chloride	NT	NT	NT	NT	NT	NT	1.49	1.43	ND	ND	1.15	1.06	2.02	1.37	1.39	1.65

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

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2001-F	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
OB06	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	11	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	1.46	1.46	ND	1.32	ND	1.08	ND	11	ND	1.44	1.03	ND	ND
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	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	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	1.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	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	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	3.21	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
	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	2.91	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	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	NT	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.23	1.52	ND	1.81	ND	ND	ND	ND	ND	ND	1.11	1.15	ND	ND	1.01	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	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	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	NT
	Vinyl Chloride	NT	NT	NT	NT	NT	NT	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	2001-F	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
OB07	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	3.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2-Dichlorobenzene	ND	ND	ND	1.76	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	NS	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,4-Dichlorobenzene	ND	ND	ND	1.75	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	NS	ND
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Carbon disulfide	ND	ND	ND	ND	ND	2.13	4.62	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.81	ND	ND	ND	NS	1.45
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Dichloromethane	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	para-Xylene & meta-Xylene	ND	ND	ND	1.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Tetrachloroethene	ND	1.54	ND	2.28	ND	ND	ND	ND	ND	ND	1.68	ND	ND	ND	NS	1.3
	Toluene	1.42	2.09	1.11	2.62	ND	1.43	1.88	1.14	ND	ND	ND	ND	ND	ND	NS	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2001-F	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
OB07A	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	11	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	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	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	1.06	8.93	ND	ND	ND	ND	ND	ND	NT	NT	NT
	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	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	2.5	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
	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	3.89	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	ND	ND	ND	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	3.36	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
	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	ND	ND		NT	NT
	Trichloroethene	1.24	1.61	ND	1.09	1.22	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
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NT	NT	NT	NT	NT	NT	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	2001-F	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
OB08	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	1.12	ND	16.91	ND	NS	ND	ND	ND	ND	ND	ND	1.23	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	1.61	ND	NS	ND	ND	1.01	ND	NT	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	2.5	ND	NS	ND	ND	ND	ND	ND	1.78	1.59	1.67	ND	ND	1.24
	1,4-Dichlorobenzene	ND	ND	6.39	ND	NS	ND	ND	ND	ND	NT	2.1	3.35	3.16	ND	ND	ND
	2-Butanone	NT	NT	NT	NT	NS	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NS			NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NS			NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	ND	ND	1.21	ND	NS	ND	ND	ND	ND	ND	1.09	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	1.25	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Carbon Tetrachloride	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	5.15	ND	NS	ND	ND	ND	ND	ND	4.81	4.14	4.04	ND	ND	22.02
	Chloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	2.26	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
	cis-1,3-Dichloropropene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	2.6	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	2.63	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	28.07	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	1.22	1.11	1.26	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Trichloroethene	ND	ND	21.35	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	3.01	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NT	NT	NT	NT	NS	NT	ND	ND	ND	ND	2.67	2.47	2.98	ND	ND	2.04

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2001-F	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
OB08A	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	2.73	1.48	34.39	ND	NS	ND	ND	ND	ND	ND	ND	1.43	1.05	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.07
	1,2,3-Trichloropropane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	3.01	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	3.05	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	2.2	1.39	6.61	ND	NS	ND	ND	ND	ND	ND	2.53	2.17	2.33	1.22	ND	2.11
	1,4-Dichlorobenzene	ND	ND	10.04	ND	NS	ND	ND	ND	ND	ND	5.86	4.47	4.75	ND	ND	ND
	2-Butanone	NT	NT	NT	NT	NS	NT	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	ND	ND	10.31	ND	NS	ND	ND	ND	ND	ND	1.39	1.23	1.26	ND	ND	1.09
	Bromochloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Carbon Tetrachloride	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	63.67	ND	NS	ND	ND	ND	ND	ND	5.54	4.84	4.64	2.27	ND	3.43
	Chloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	23.94	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
	cis-1,3-Dichloropropene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	3.47	ND	27.89	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	58.78	1.12	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	4.05	ND	NS	ND	ND	ND	ND	ND	1.79	1.45	1.89	ND	ND	1.48
	trans-1,3-Dichloropropene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Trichloroethene	12.98	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
	Trichlorofluoromethane	ND	ND	7.61	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NT	NT	NT	NT	NS	NT	ND	ND	ND	ND	4.03	3.44	4.8	1.6	ND	5.16

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

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2001-F	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
OB010	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	1.58	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	4.99	3.2	3.06	3.18	2.23	3.68	3.7	1.99	2.99	ND	ND	2.2	4.99	1.04	1.51	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	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	5.71	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	11	ND	1.19	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	3.03	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
	1,4-Dichlorobenzene	1.88	ND	1.38	4.52	1.2	1.28	2.43	2.03	2.53	ND	11	1.02	6.22	ND	ND	ND
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	3.1	ND	2.36	1.95	1.18	1.77	2.14	ND	1.87	ND	ND	ND	2.86	ND	1.1	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	1.75	ND	ND	1.25	ND	ND	ND	ND	ND	1.03	NT	NT	NT
	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	1.01	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	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	85.97	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
	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	21.95	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	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	2.84	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	9.01	12.02	ND	9.45	ND	6.03	ND	2.28	ND	ND	ND	2.47	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	2.19	ND	1.86	1.79	ND	ND	1.8	1.07	1.96	ND	ND	ND	5.04	1.12	1.49	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	ND	ND	NT	NT	NT
	Trichloroethene	50.56	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
	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	NT
	Vinyl Chloride	NT	NT	NT	NT	NT	NT	9.43	5.66	9.35	ND	ND	2.43	16.03	2.15	12.62	ND

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

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2001-F	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
OB102	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	12	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	1.05	ND	ND	1.78	2.32	ND	12	2.03	ND	1.81	1.43	ND
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	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	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	2.07	2.13	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	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	1.17	1.31	1.54	1.65	1.74	2.43	1.65	1.41	3.43
	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	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	1.34	2.27	1.28	2.3	2.14	2.5	1.75	1.46	1.54
	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	3.54	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	1.05	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	ND	ND	ND	1.32	1.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	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	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	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	NT
	Vinyl Chloride	NT	NT	NT	NT	NT	NT	2.98	ND	2.33	ND	1.11	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	2001-F	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
OB105	1,1,1,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	NS	NS	ND	ND	ND	ND	1.38	ND	1.03	ND	ND	ND	2.23	ND	1.46	ND
	2-Butanone	NS	NS	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Carbon Tetrachloride	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	NS	NS	ND	ND	ND	ND	3.19	ND	3.71	ND	ND	ND	8.03	ND	7.14	ND
	cis-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
	ortho-Xylene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NS	NS	NT	NT	NT	NT	1.01	ND	1.31	ND	ND	ND	2.04	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	2001-F	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
OB11	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	1.5	ND	1.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.52	ND
	1,1-Dichloroethane	19.25	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
	1,1-Dichloroethene	ND	ND	ND	ND	ND	1.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.89
	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	1.56	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	1.77	1.03	ND	ND	2.89	2.38	2.42	1.03	1.55	ND
	1,2-Dichloroethane	ND	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
	1,2-Dichloropropane	2.44	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
	1,4-Dichlorobenzene	ND	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
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	1.68	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
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.94	2.25	1.22	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	1.2	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	6.38	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
	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	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	33.11	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
	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	3.02	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
	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	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.2	ND	6.41
	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	44.27	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
	Toluene	ND	ND	ND	ND	ND	ND	1.45	ND	ND	ND	ND	ND	ND	ND	1	ND
	trans-1,2-Dichloroethene	ND	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
	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	ND	ND	NT	NT	NT
	Trichloroethene	24.68	18.9	ND	17.31	30.06	39.15	28.57	26.35	25.32	20.17	55.99	52.41	59.1	28.58	42.66	53.74
	Trichlorofluoromethane	2.72	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
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NT	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

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

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2001-F	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
OB11A	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	5.49	5.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	43.34	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
	1,1-Dichloroethene	1.26	1.71	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	2.97	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
	1,2-Dichloroethane	2.69	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
	1,2-Dichloropropane	6.21	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
	1,4-Dichlorobenzene	8.83	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
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	12.45	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
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	NT	NT	NT
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	76.27	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
	Chloroethane	1.53	1.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	1.2	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	NT	ND	ND	ND
	cis-1,2-Dichloroethene	118.77	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
	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	36.2	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
	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	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.33	ND	5.76
	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	90.32	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
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	4.86	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
	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	ND	ND	ND	ND	ND
	Trichloroethene	73.37	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
	Trichlorofluoromethane	6.7	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
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NT	NT	NT	NT	NT	NT	10.51	ND	13.3	7.95	12.01	10.23	18.34	13.71	12.75	13.43

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2001-F	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
OB12	1,1,1,2-Tetrachloroethane	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	NS	NS	ND	NS	NS	NS	NS	ND	11.6	2.66	4.97	2.74	12.73	8.14	12.72	10.97
	1,1-Dichloroethene	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	11	ND	ND	ND	ND	ND
	1,2-Dichloroethane	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	1.59	ND	1.08	ND
	1,2-Dichloropropane	NS	NS	ND	NS	NS	NS	NS	ND	3.25	2.02	4.85	1.13	7.25	3.75	5.61	3.62
	1,4-Dichlorobenzene	NS	NS	ND	NS	NS	NS	NS	ND	2.01	ND	11	1.5	3.77	ND	2.82	ND
	2-Butanone	NS	NS	NT	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NS	NS	NT	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NS	NS	NT	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	NS	NS	ND	NS	NS	NS	NS	ND	1.58	ND	2.15	ND	3.54	1.89	2.66	1.82
	Bromochloromethane	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	1.29	ND	ND	ND	ND	ND
	Bromodichloromethane	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Carbon Tetrachloride	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	NS	NS	ND	NS	NS	NS	NS	7.36	1.27	2.69	1.03	ND	ND	ND	2.5	2.61
	Chloroform	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NS	NS	NT	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	NS	NS	ND	NS	NS	NS	NS	5.03	11.79	7.57	18.1	22.6	25.91	25.54	26.92	26.86
	cis-1,3-Dichloropropene	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	NS	NS	ND	NS	NS	NS	NS	ND	7.22	ND	12.3	1.72	6.16	9.35	6.24	4.91
	Ethylbenzene	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NS	NS	NT	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	ND	ND	ND
	ortho-Xylene	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	NS	NS	ND	NS	NS	NS	NS	4.85	12.43	5.03	21.98	ND	23.67	16.57	21.49	7.95
	Toluene	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	1.38	ND	2.68	1.42	1.52	1.23
	trans-1,3-Dichloropropene	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	NS	NS	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Trichloroethene	NS	NS	ND	NS	NS	NS	NS	10.18	14.72	13.99	17.23	ND	24.95	12.65	18.35	6.22
	Trichlorofluoromethane	NS	NS	ND	NS	NS	NS	NS	ND	2.57	ND	2.26	ND	3.46	1.91	1.78	ND
	Vinyl Acetate	NS	NS	NT	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NS	NS	NT	NS	NS	NS	NS	1.01	1.8	ND	6.32	1.54	2.9	6.72	3.97	6.99

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2001-F	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
OB15	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	1,1-Dichloroethane	ND	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
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	1.34	NS	ND	ND	ND	NS	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	11	ND	NS	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	1.07	NS	ND	11	ND	NS	ND	ND	ND
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	NS	ND	6.45	ND	NS	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	NT	NS	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	NT	NS	NT	NT	NT
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Carbon disulfide	1.81	ND	ND	ND	ND	1.77	ND	ND	NS	ND	ND	ND	NS	NT	NT	NT
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	NT	NS	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	1.28	NS	1.1	1.51	1.17
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Dichloromethane	3.84	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	Nt	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	NT	NS	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Trichloroethene	ND	ND	ND	ND	1.57	1.24	1.42	ND	NS	2.73	1.75	1.16	NS	NT	NT	NT
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	NT	NS	NT	NT	NT
	Vinyl Chloride	NT	NT	NT	NT	NT	NT	4.28	6.37	NS	6.33	11.68	18.4	NS	6.29	9.17	2.78

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

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2001-F	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
OB25	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	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	1.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.38	ND	ND	ND
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	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	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	NT	NT	NT
	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	1.58	ND	1.07	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	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.56	6.07	4.38	6.23	4.12
	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	2.69	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	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	ND	ND	ND	1.45	ND	ND	ND	ND	ND	ND	ND	ND	1.44	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	ND	ND	NT	NT	NT
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.04	2.43	1.21	ND	ND
	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	NT
	Vinyl Chloride	NT	NT	NT	NT	NT	NT	3.33	ND	1.21	ND	2.15	ND	5.29	ND	4.29	ND

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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2001-F	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
ST015	1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,1,1-Trichloroethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	2.82	ND	ND	ND	ND	NS	ND
	1,1,2-Trichloroethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	1.8	ND	ND	ND	ND	NS	ND
	1,1-Dichloroethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,1-Dichloroethene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2,3-Trichloropropane	NS	NS	NS	NS	NS	ND	ND	ND	ND	3.69	ND	ND	ND	ND	NS	ND
	1,2-Dibromo-3-chloropropan	NS	NS	NS	NS	NS	ND	ND	ND	ND	5.52	ND	ND	ND	ND	NS	ND
	1,2-Dibromoethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	2.56	ND	ND	ND	ND	NS	ND
	1,2-Dichlorobenzene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	NS	ND
	1,2-Dichloroethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,2-Dichloropropane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	1,4-Dichlorobenzene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	NS	ND
	2-Butanone	NS	NS	NS	NS	NS	NT	ND	ND	ND	NT	ND	ND	ND	NT	NS	NT
	2-Hexanone	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT
	4-Methyl-2-Pentanone	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT
	Acetone	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT
	Acrylonitrile	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT
	Benzene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	1.11	ND	NS	ND
	Bromochloromethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Bromodichloromethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Bromoform	NS	NS	NS	NS	NS	ND	ND	ND	ND	1.09	ND	ND	ND	ND	NS	ND
	Bromomethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Carbon disulfide	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT
	Carbon Tetrachloride	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Chlorobenzene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Chloroethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Chloroform	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Chloromethane	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND
	cis-1,2-Dichloroethene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Dibromochloromethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	1.04	ND	ND	ND	ND	NS	ND
	Dibromomethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	2.33	ND	ND	ND	ND	NS	ND
	Dichloromethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Ethylbenzene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	1.15	ND	NS	ND
	Methyl Iodide	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT
	Methyl Tertiary Butyl Ether	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	NS	ND
	ortho-Xylene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	1.45	ND	NS	ND
	para-Xylene & meta-Xylene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	3.64	ND	NS	ND
	Styrene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Tetrachloroethene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Toluene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	5.94	ND	NS	ND
	trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	ND	ND	ND	ND	1.06	ND	ND	ND	ND	NS	ND
	trans-1,4-Dichloro-2-buten	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NS	NT
	Trichloroethene	NS	NS	NS	NS	NS	1.08	1.05	ND	ND	ND	ND	1.4	ND	1.1	NS	2.2
	Trichlorofluoromethane	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND
	Vinyl Acetate	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT
	Vinyl Chloride	NS	NS	NS	NS	NS	NT	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2001-F	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
ST120	1,1,1,2-Tetrachloroethane	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND		ND	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
	1,2,3-Trichloropropane	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
	1,2-Dibromoethane	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
	1,2-Dichloroethane	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND		ND	ND	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
	2-Butanone	NT	NT		NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	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
	Bromodichloromethane	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Carbon Tetrachloride	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
	Chloroethane	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
	Chloromethane	NT	NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND		ND	ND	ND	ND	ND	1.22	ND	2.52	ND	2.99	1.22	ND	1.15
	cis-1,3-Dichloropropene	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	4.8	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
	ortho-Xylene	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
	Styrene	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.22	1.79		1.39	ND	ND	ND	ND	ND	ND	1.65	ND	1.56	ND	ND	ND
	Toluene	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND		ND	ND	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
	trans-1,4-Dichloro-2-buten	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Trichlorofluoromethane	ND	ND		ND	ND	ND	ND	ND	ND	ND	1.33	ND	1.4	ND	ND	ND
	Vinyl Acetate	NT	NT		NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	NT	NT		NT	NT	NT	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

Location	Parameter	2001-F	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
ST65	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	1.13
	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	1.04	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	11	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.34
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	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	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	NT	NT	NT
	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	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.43
	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	3.15	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	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	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	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.13
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
	Vinyl Chloride	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.29

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

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2001-F	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
ST70	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND
	2-Butanone	NT	NT	NT	NT	NS	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Carbon Tetrachloride	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	4.24	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	1.04	ND	1.17
	cis-1,3-Dichloropropene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	12.18	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	3.82	ND	7.27
	ortho-Xylene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	1.55	ND	1.52	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Trichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NT	NT	NT	NT	NS	NT	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

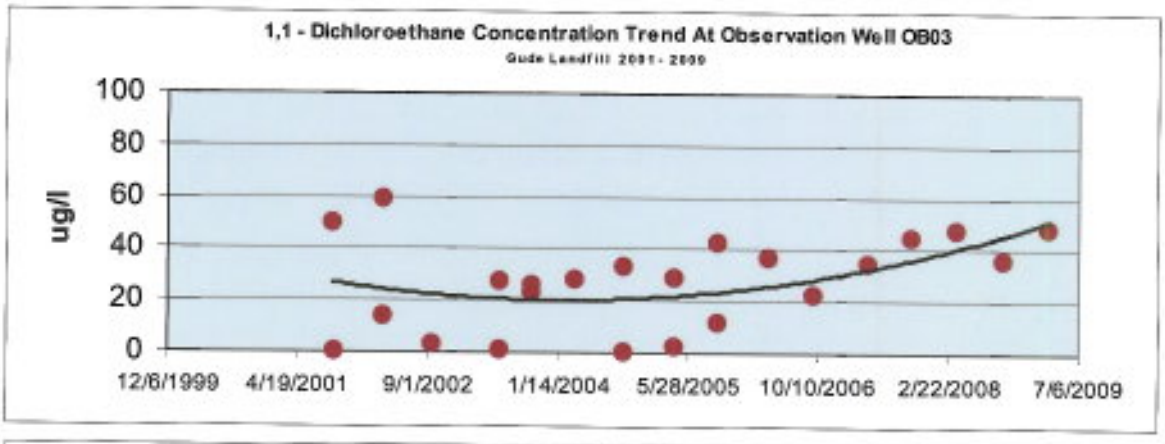
Locatio	Parameter	2001-F	2002-F	2002-S	2003-F	2003-S	2004-F	2004-S	2005-F	2005-S	2006-F	2006-S	2007-F	2007-S	2008-Firs	2008-S	2009-F
ST80	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropan	ND	ND	1.12	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND
	2-Butanone	NT	NT	NT	NT	NS	NT	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT
	2-Hexanone	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	4-Methyl-2-Pentanone	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acetone	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Acrylonitrile	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	2.35	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Carbon Tetrachloride	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	1.09	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	5.23	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	3.86	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-buten	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	1.61	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	Trichlorofluoromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	NT	NT	NT	NT	NS	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

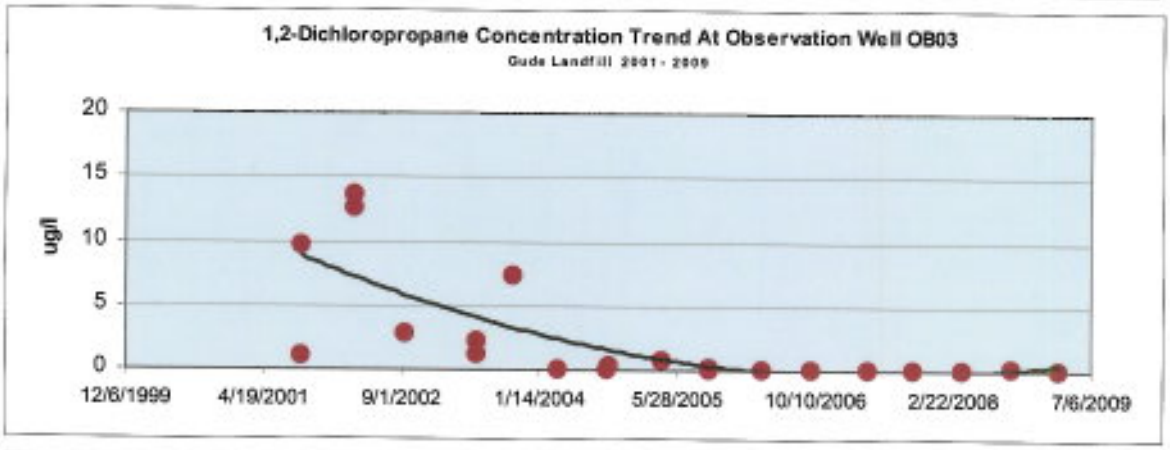
NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

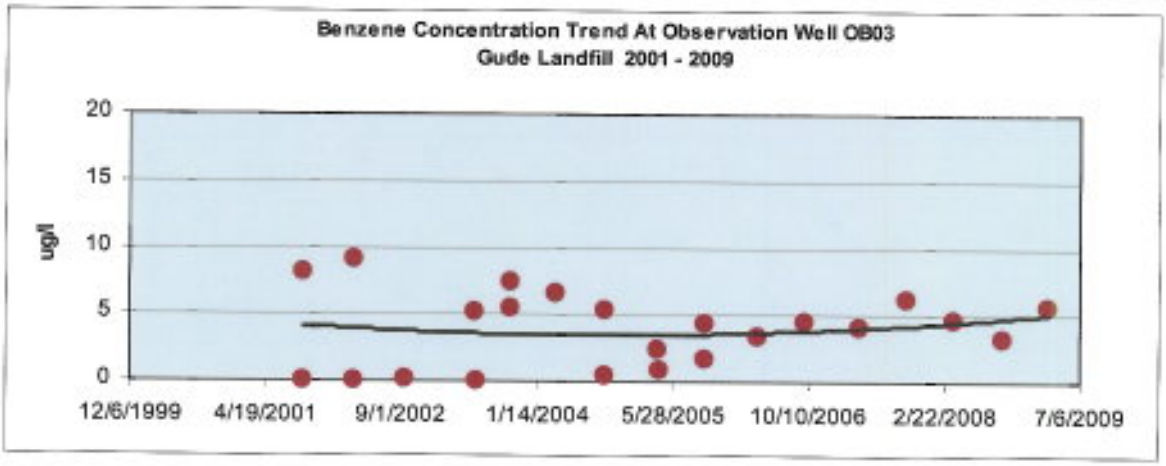
Appendix C

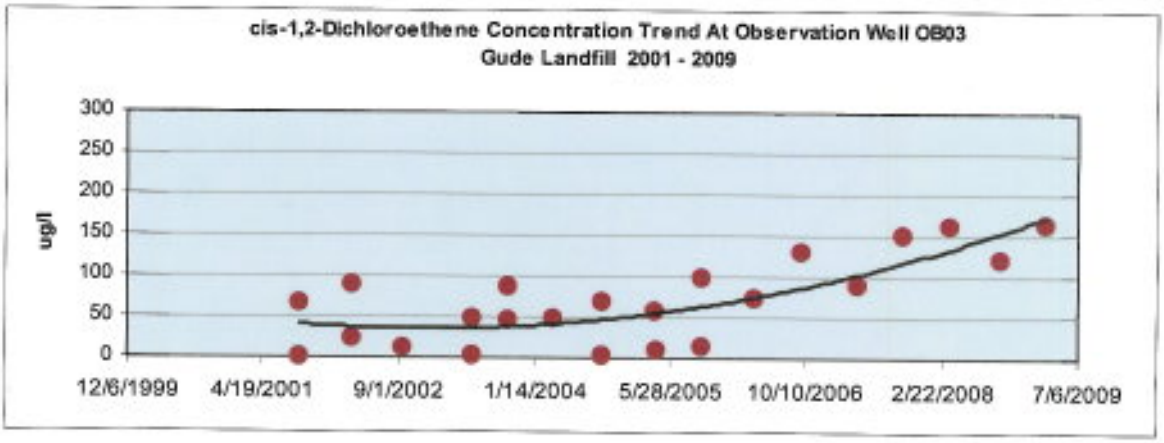
Volatile Organic Compounds

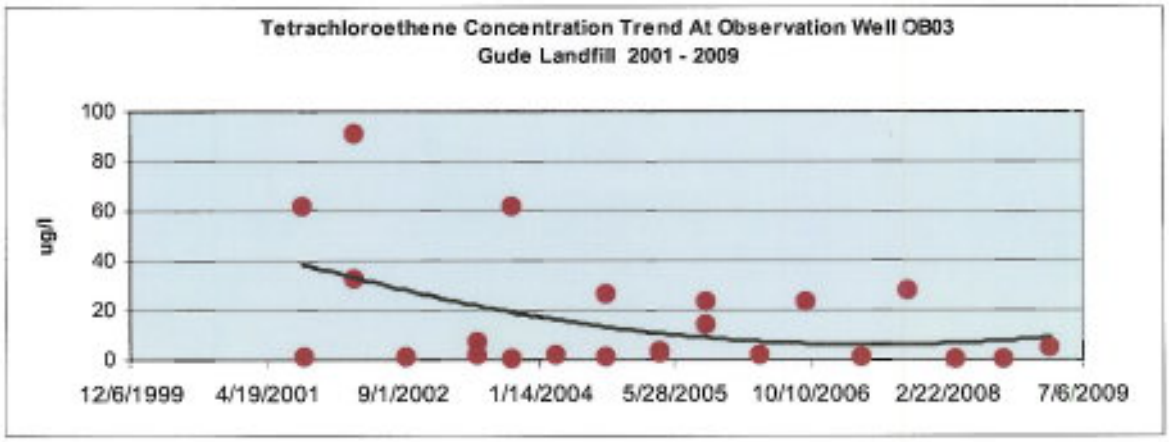
Trend Analysis

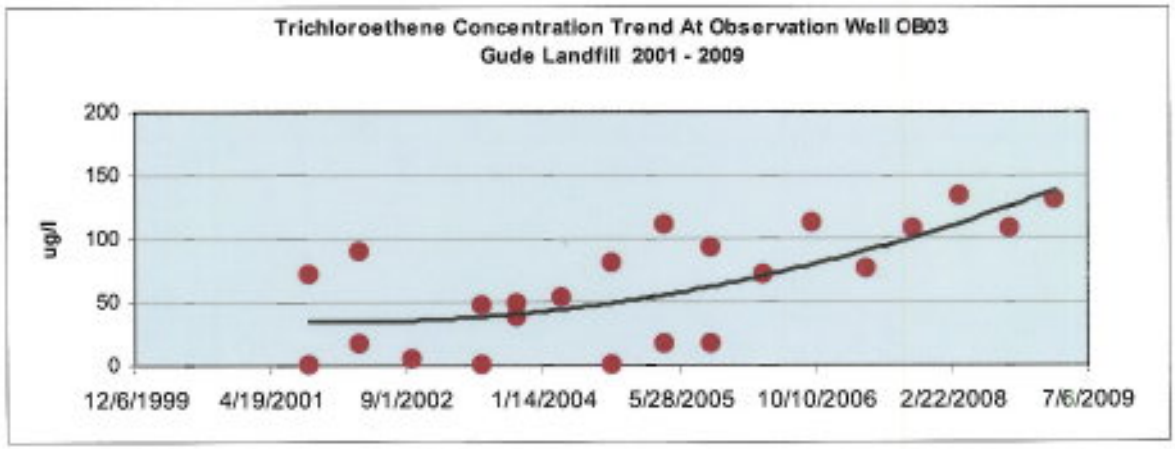

1,1 - Dichloroethane Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009
ug/l
100
80
60
40
20
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

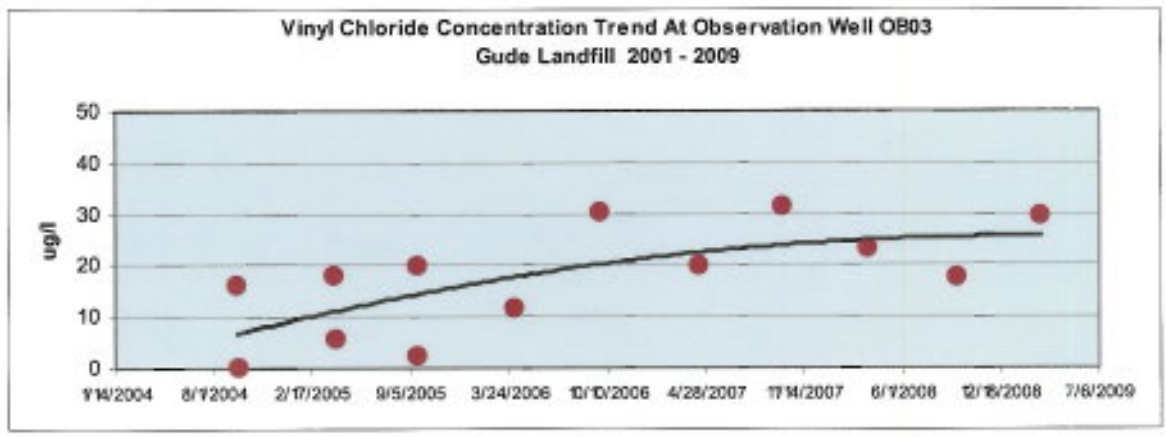

1,2-Dichloropropane Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009
ug/l
20
15
10
5
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

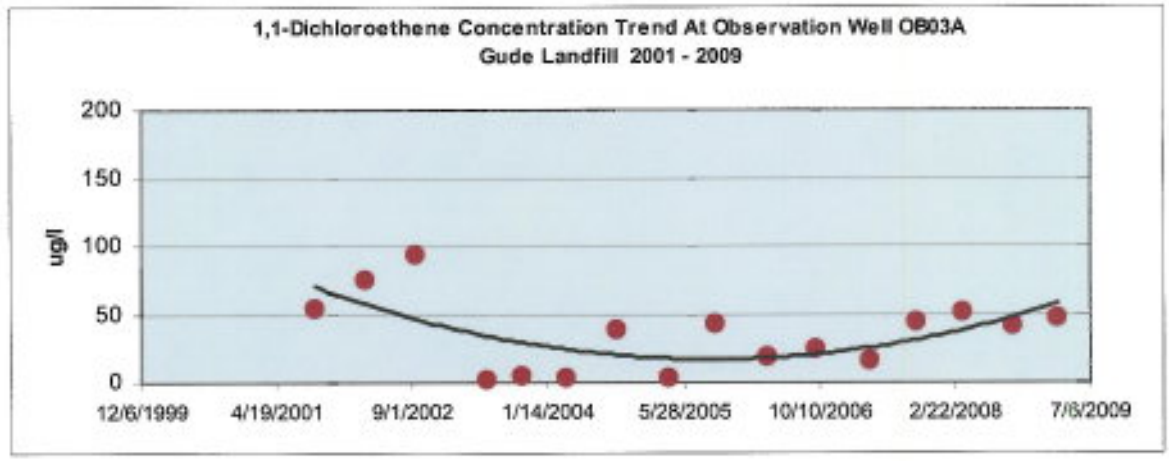

Benzene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009
ug/l
20
15
10
5
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

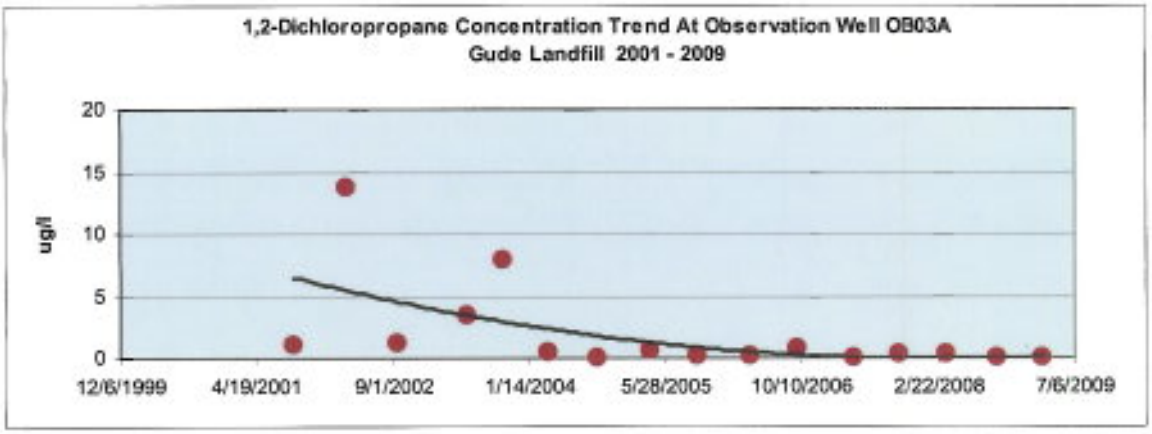

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009
ug/l
300
250
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

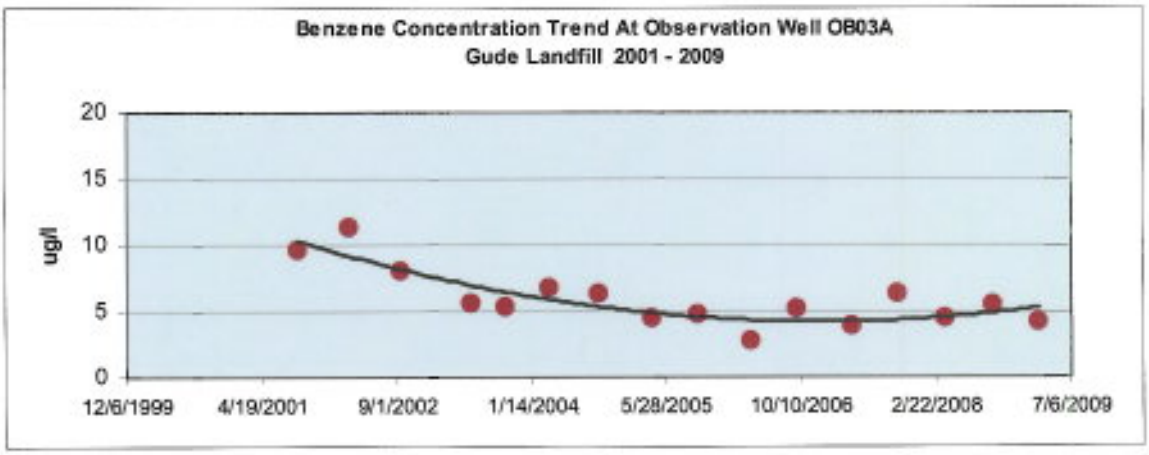

Tetrachloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009
ug/l
100
80
60
40
20
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

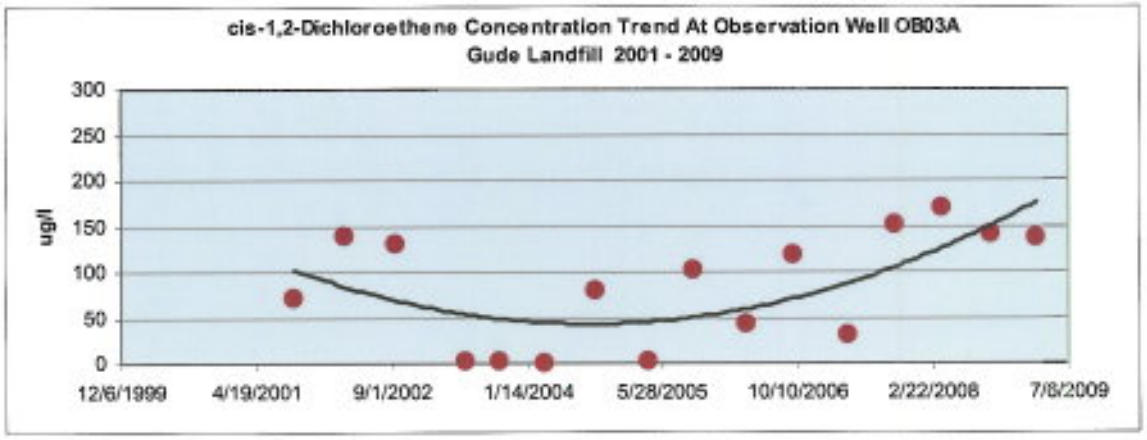

Trichloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009
ug/l
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

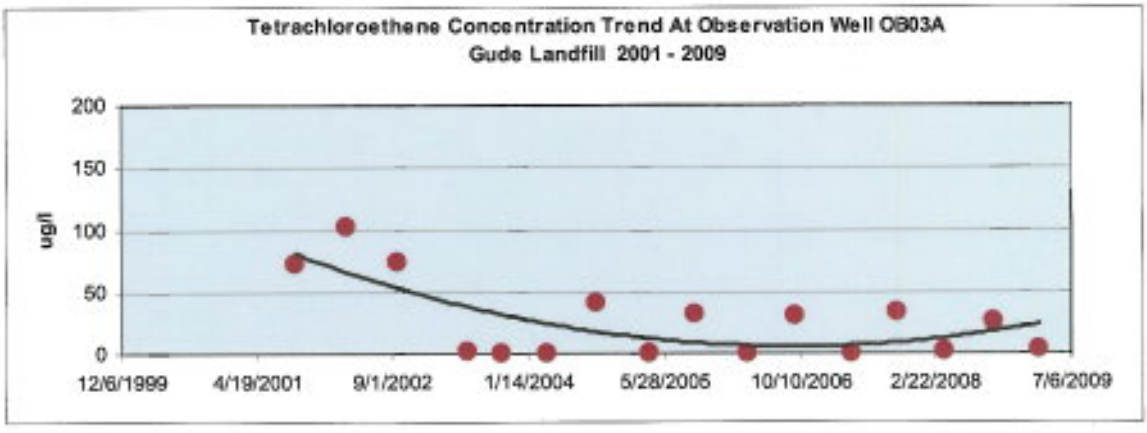

Vinyl Chloride Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009
ug/l
50
40
30
20
10
0
7/6/2009

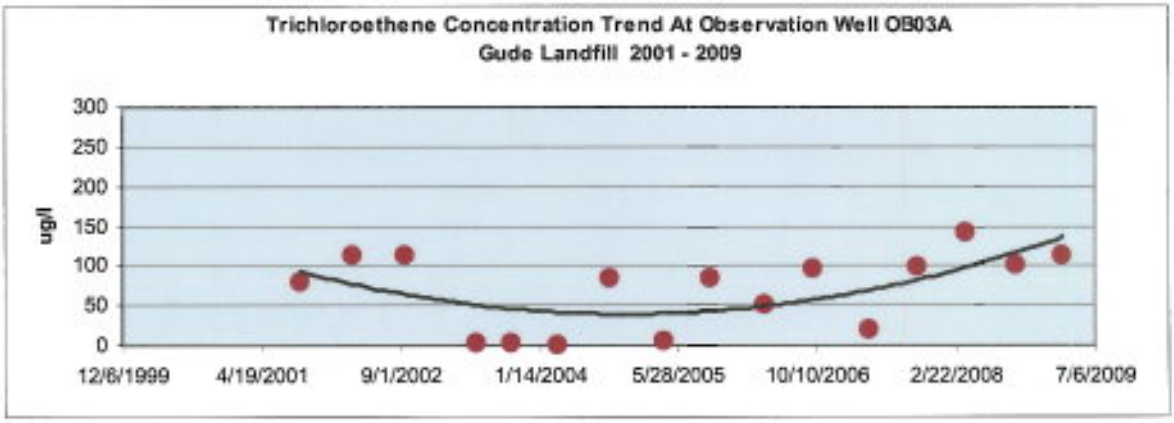

1,1-Dichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2009
ug/l
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

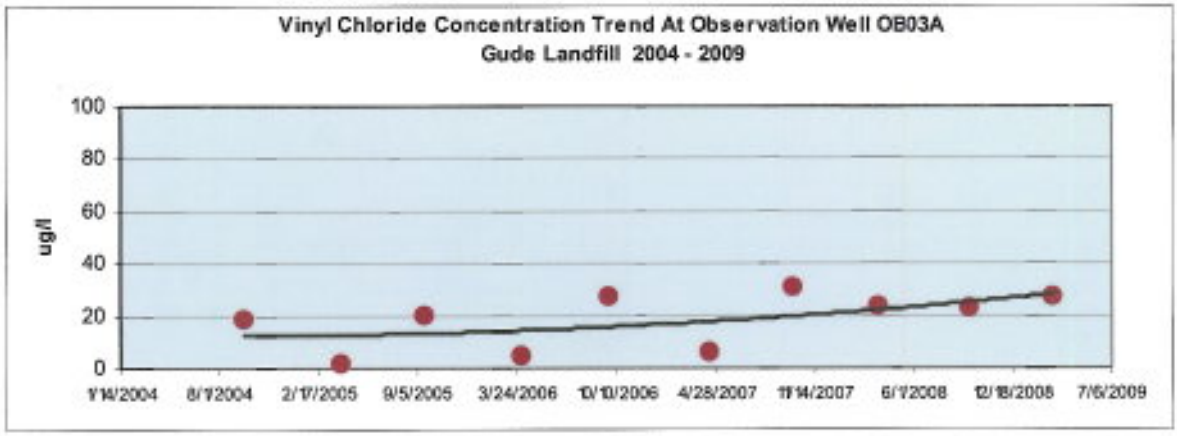

1,2-Dichloropropane Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2009
ug/l
20
15
10
5
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

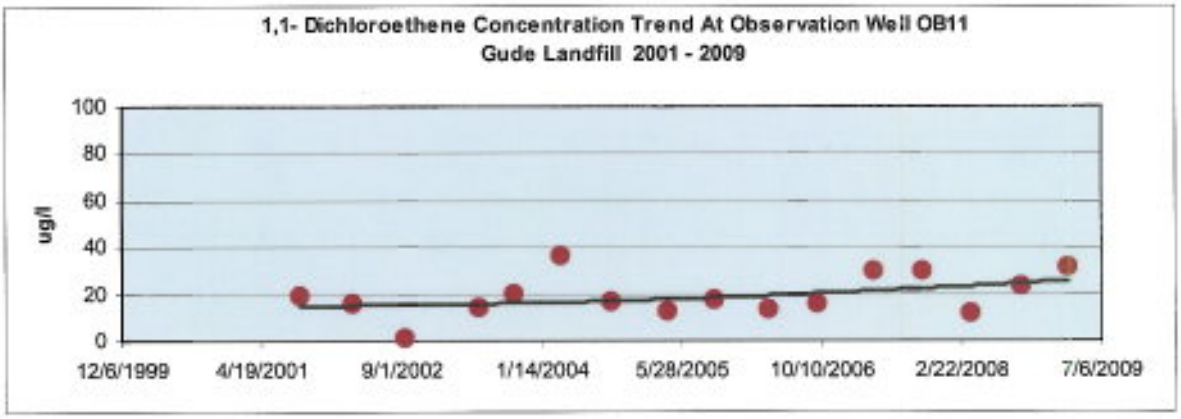

Benzene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2009
ug/l
20
15
10
5
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

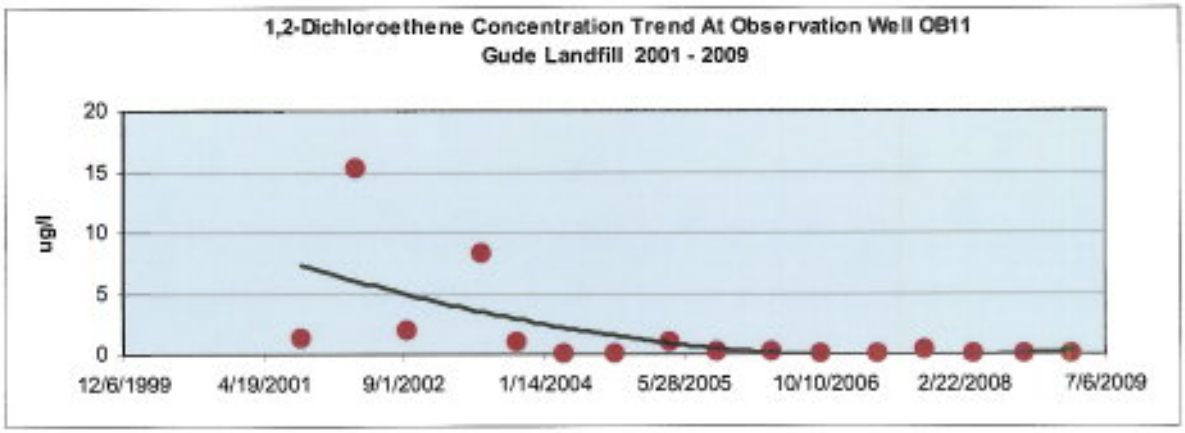

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2009
ug/l
300
250
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

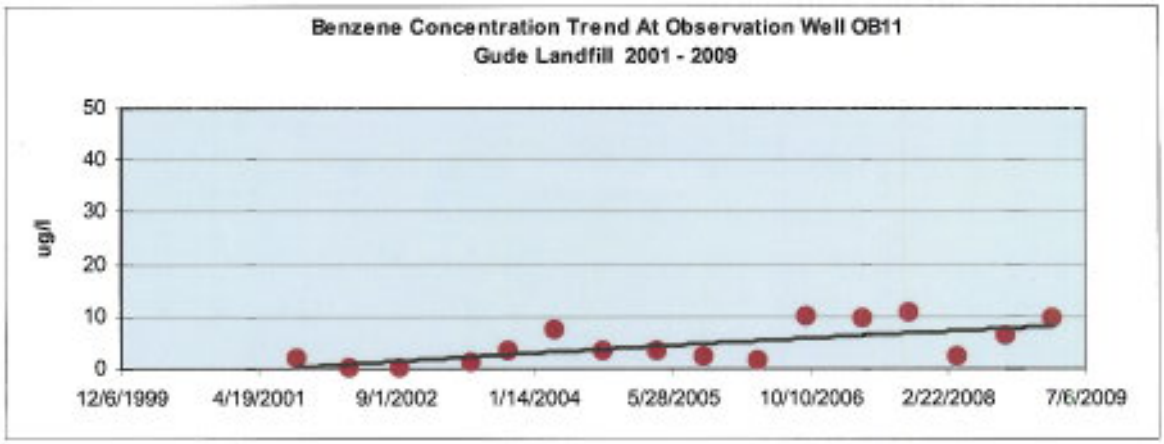

Tetrachloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2009
ug/l
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

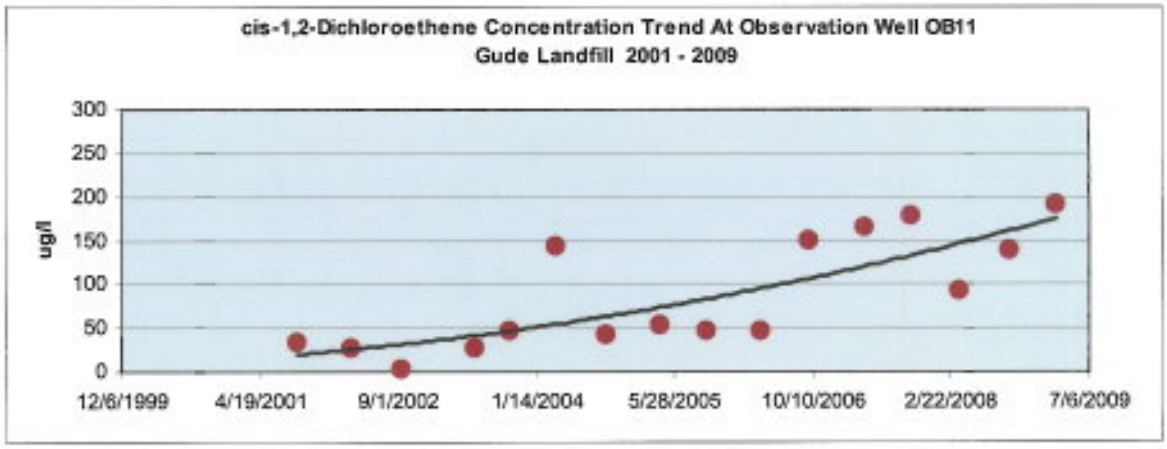

Trichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2009
ug/l
300
250
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

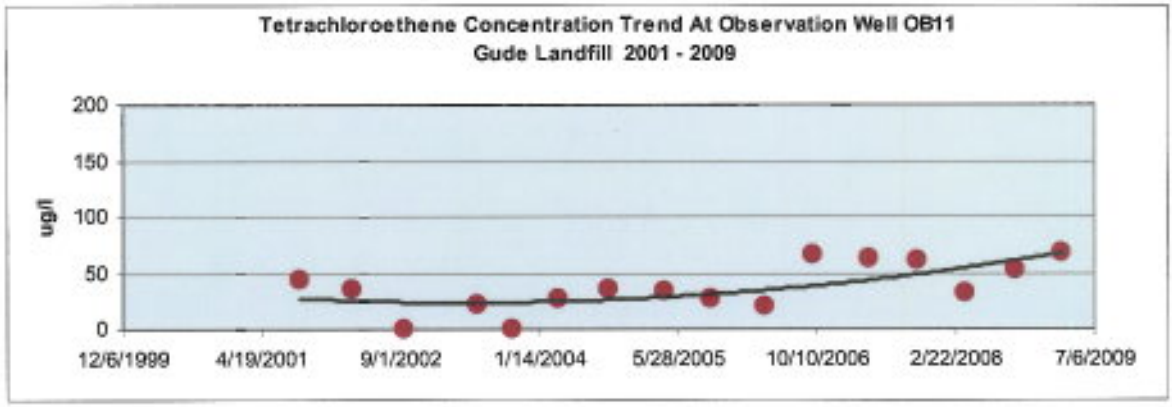

Vinyl Chloride Concentration Trend At Observation Well OB03A
Gude Landfill 2004 - 2009
ug/l
100
80
60
40
20
0
1/14/2004
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/28/2007
11/14/2007
6/1/2008
12/18/2008
7/6/2009

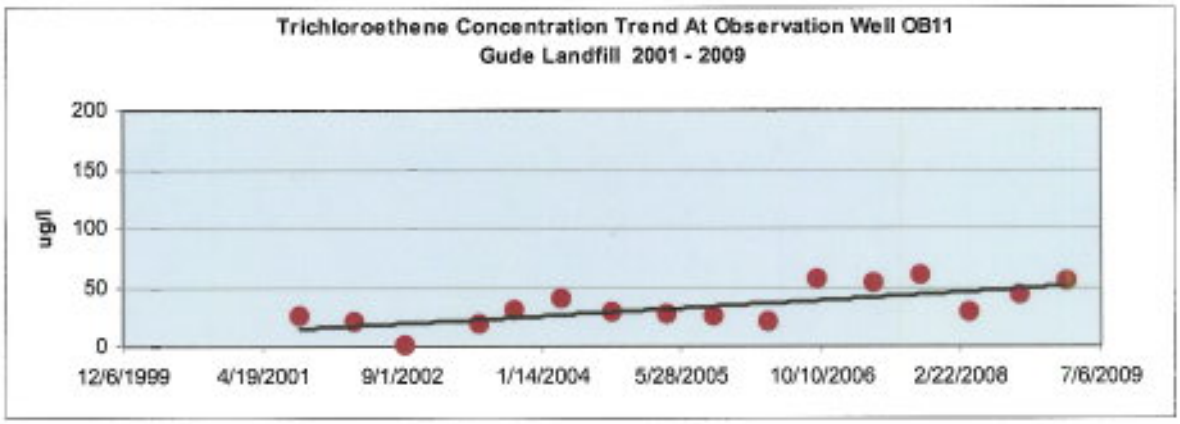

1,1- Dichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2009
ug/l
100
80
60
40
20
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

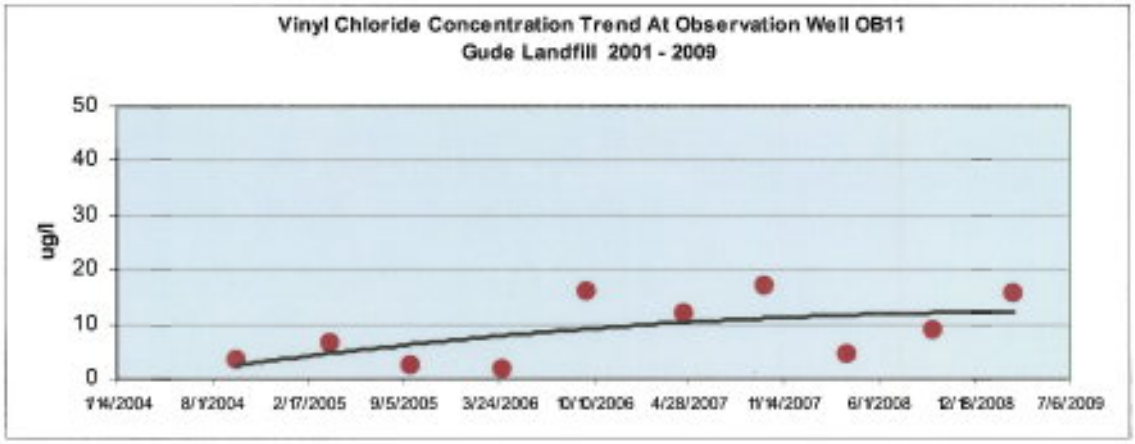

1,2-Dichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2009
ug/l
20
15
10
5
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

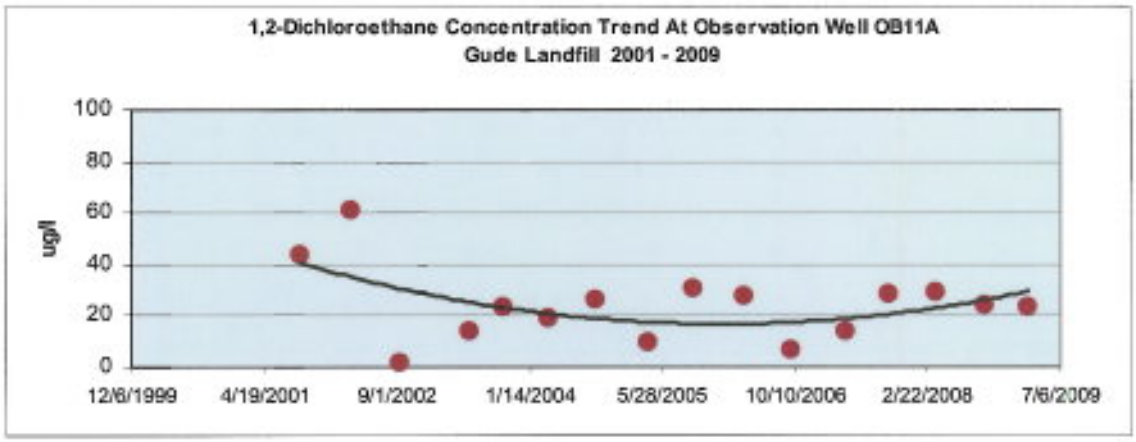

Benzene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2009
ug/l
50
40
30
20
10
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

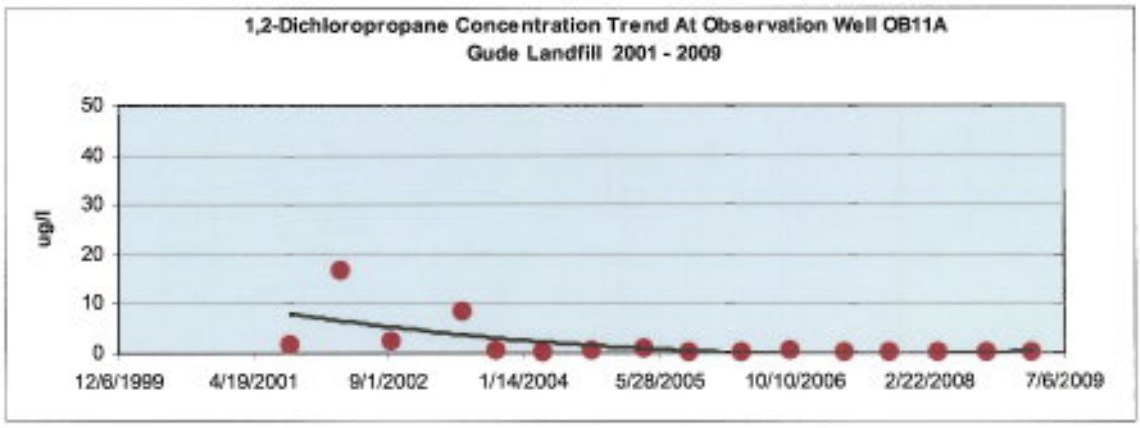

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2009
ug/l
300
250
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009


Tetrachloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2009
ug/l
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009


Trichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2009
ug/l
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009


Vinyl Chloride Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2009
ug/l
50
40
30
20
10
0
7/6/2009


1,2-Dichloroethane Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2009
ug/l
100
80
60
40
20
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009


1,2-Dichloropropane Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2009
ug/l
50
40
30
20
10
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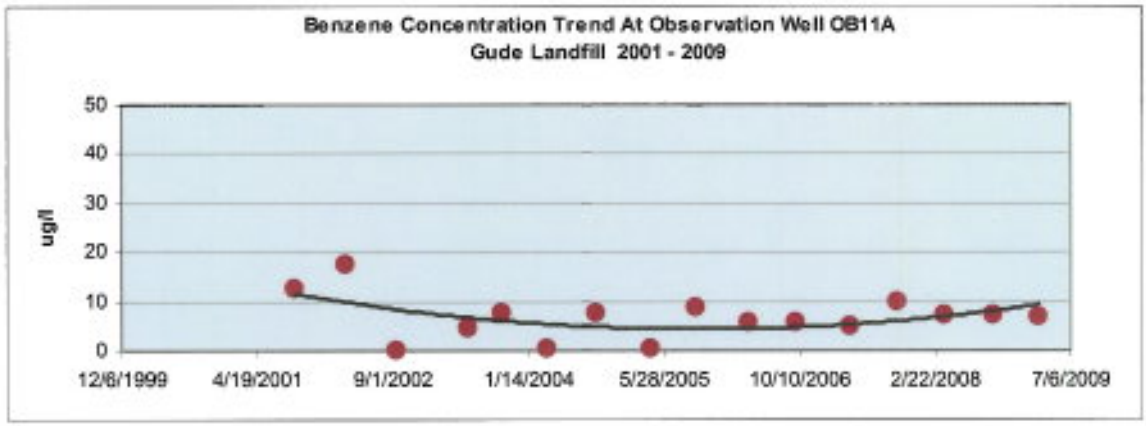
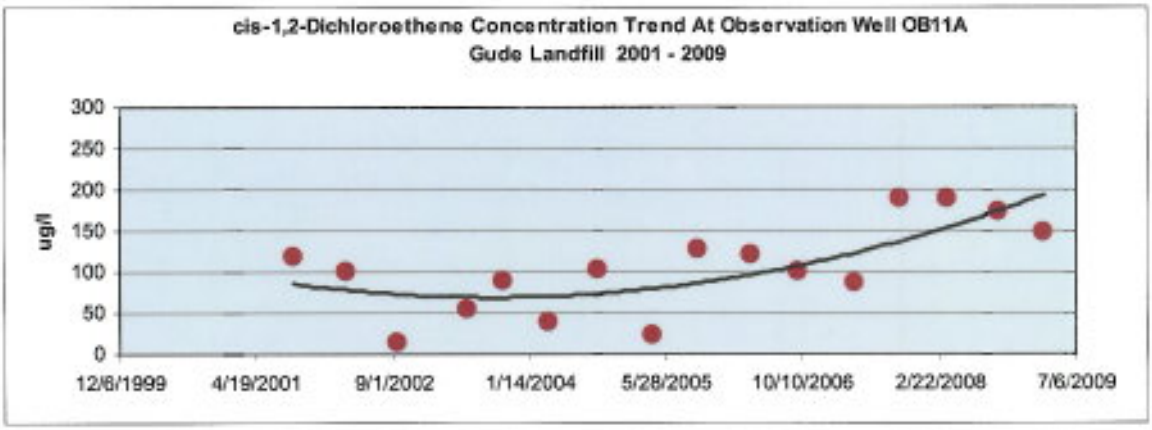
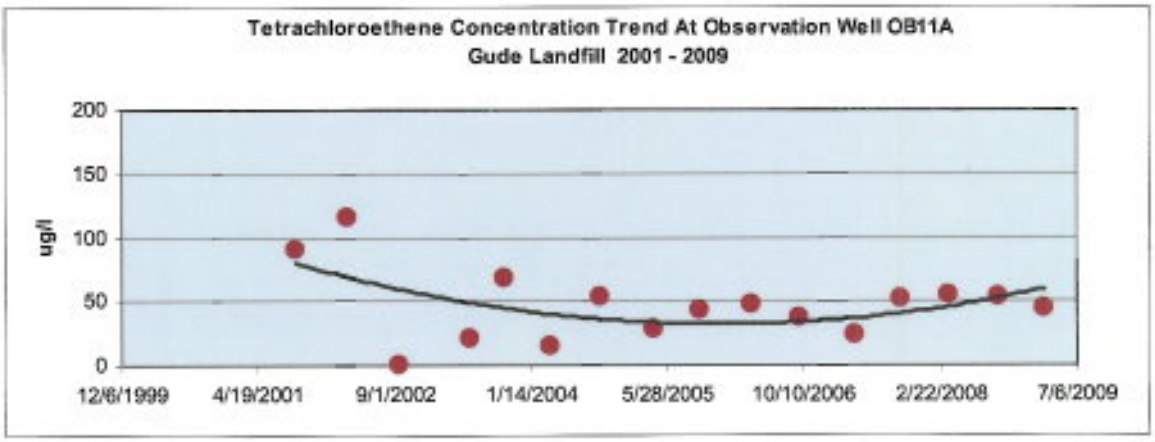
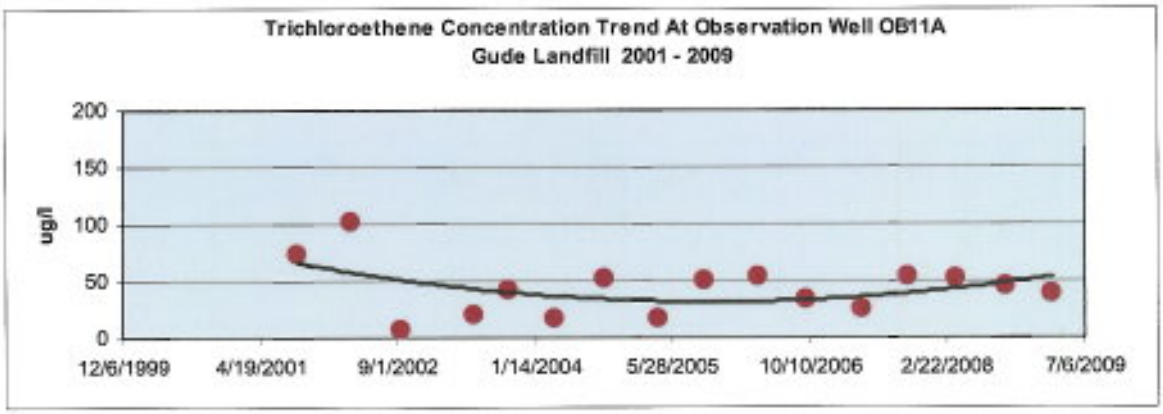
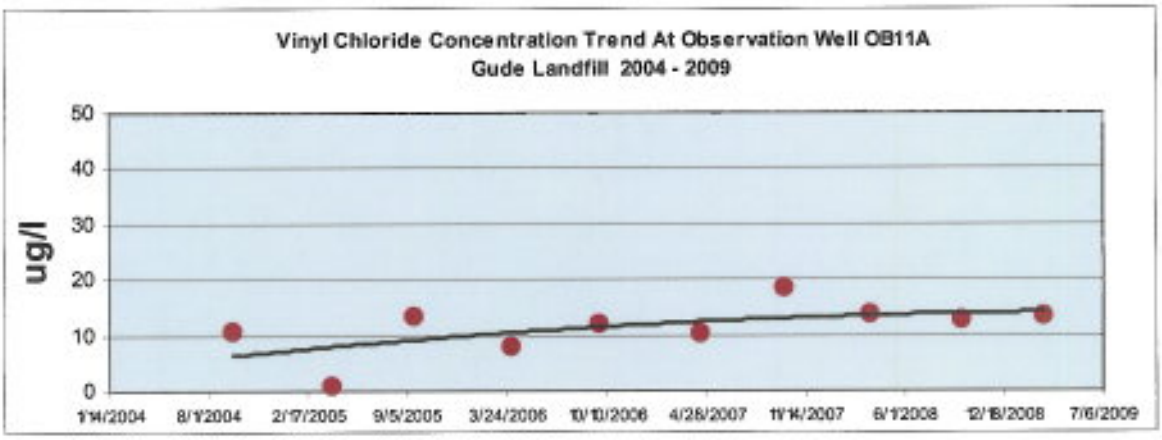
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

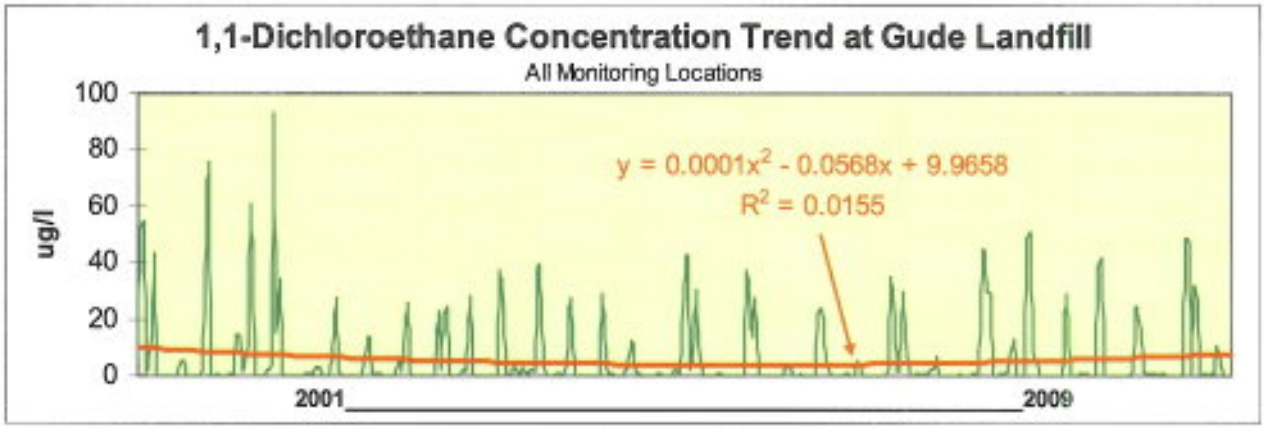

Benzene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2009
ug/l
50
40
30
20
10
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

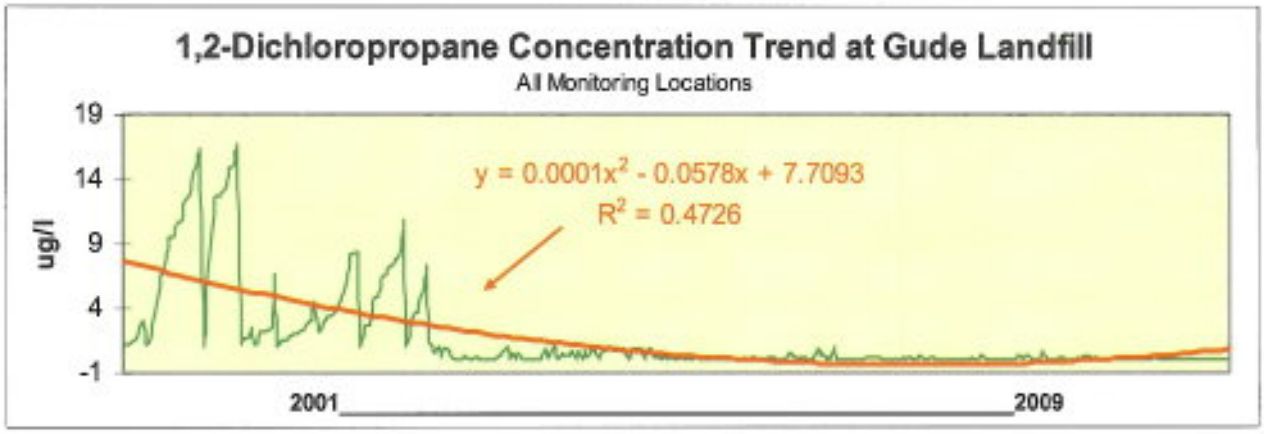

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2009
ug/l
300
250
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

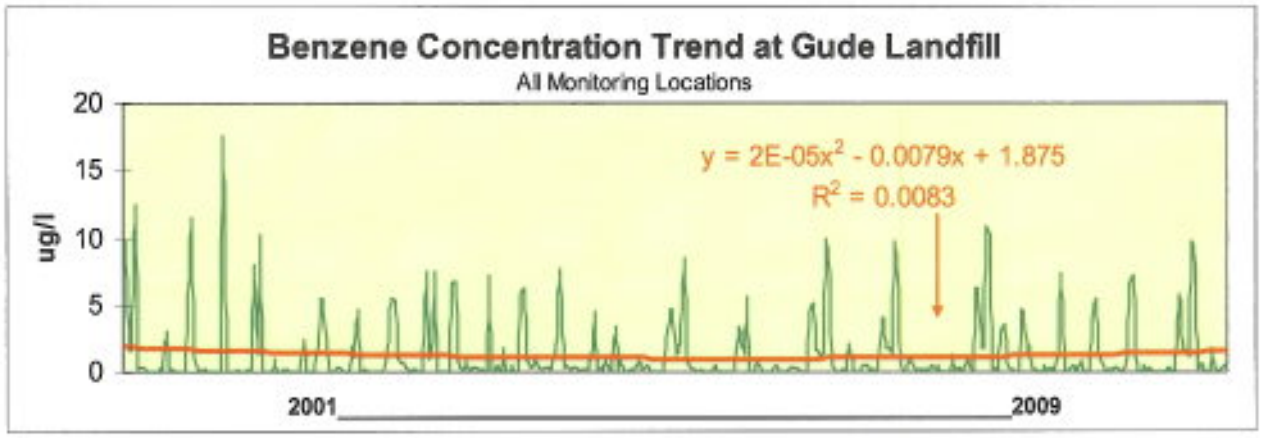

Tetrachloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2009
ug/l
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

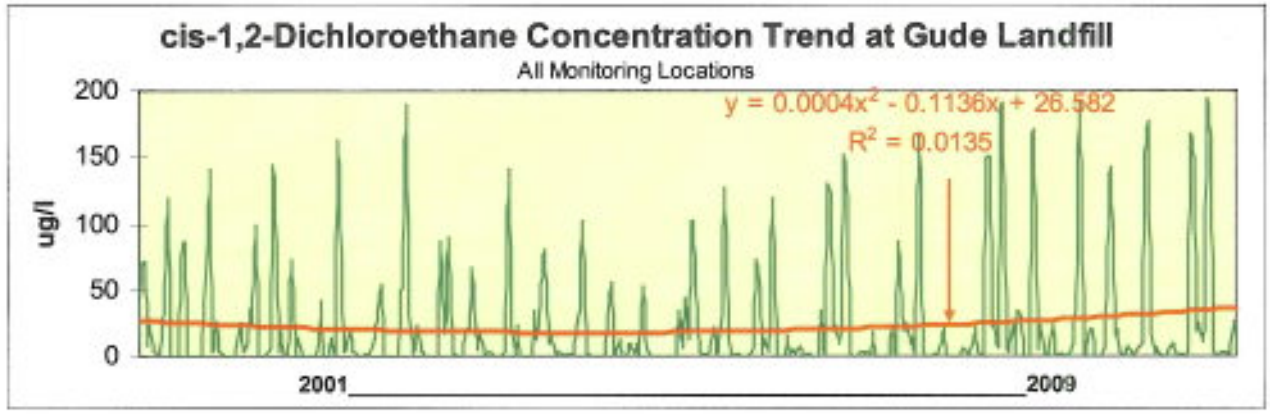

Trichloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2009
ug/l
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009

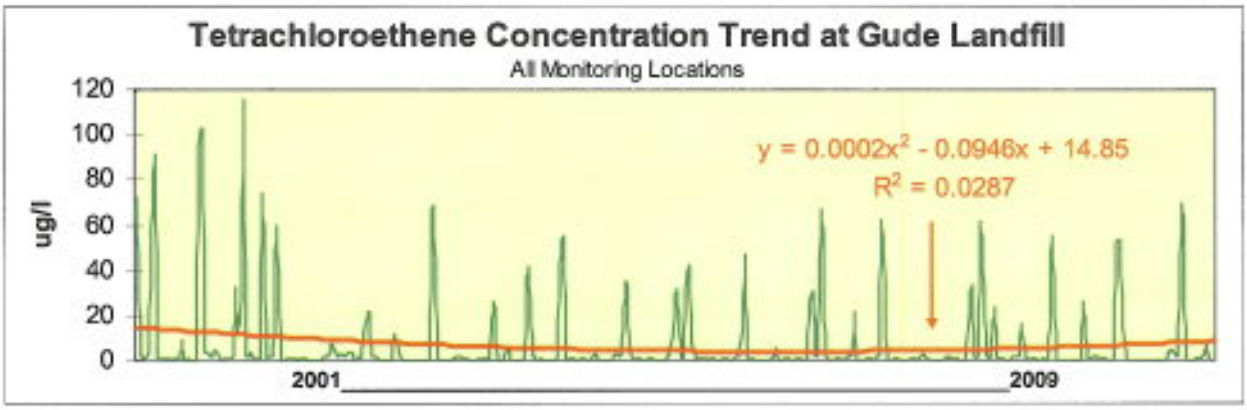

Vinyl Chloride Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2009
ug/l
50
40
30
20
10
0
1/14/2004
8/1/2004
2/17/2005
9/5/2005
3/24/2006
10/10/2006
4/26/2007
11/14/2007
6/1/2008
12/18/2008
7/6/2009

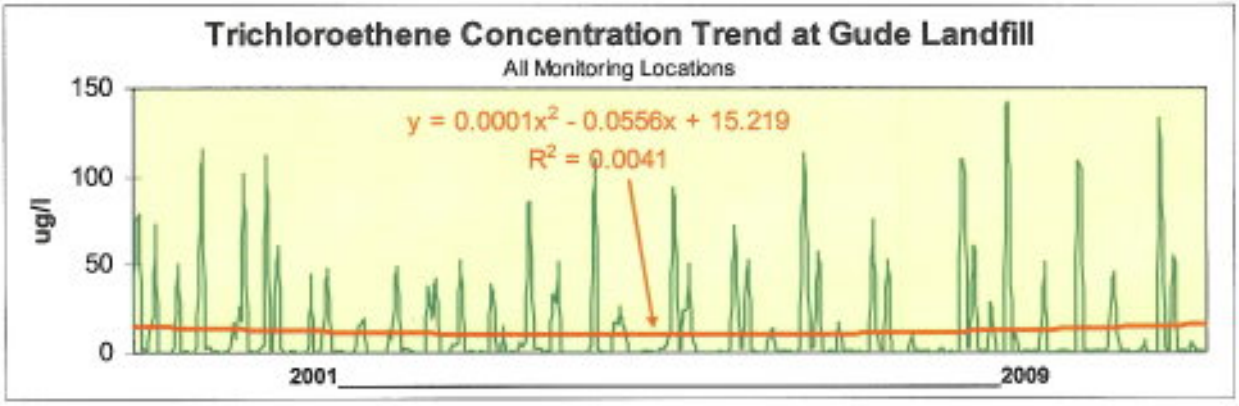

1,1-Dichloroethane Concentration Trend at Gude Landfill
All Monitoring Locations
y = 0.0001x² - 0.0568x + 9.9658
R² = 0.0155
ug/l
100
80
60
40
20
0
2001
2009

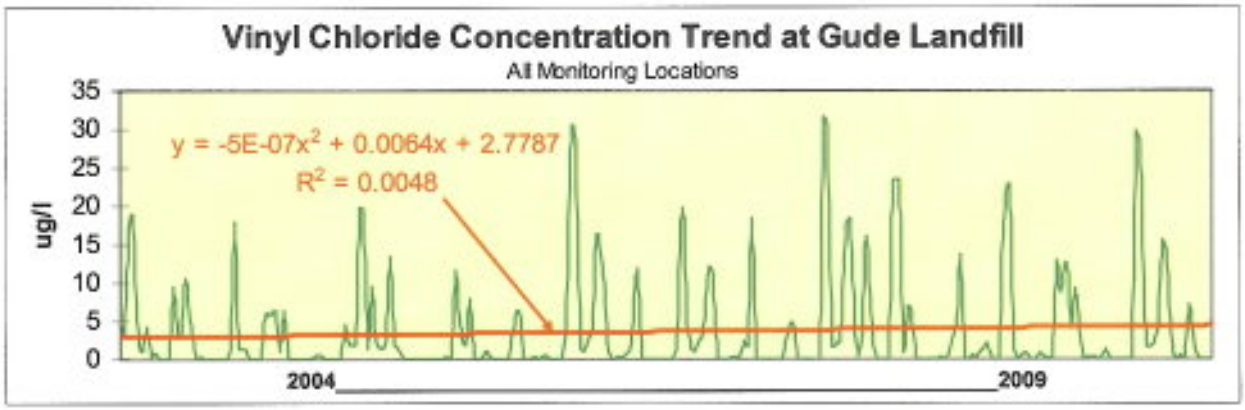

1,2-Dichloropropane Concentration Trend at Gude Landfill
All Monitoring Locations
y = 0.0001x² - 0.0578x + 7.7093
R² = 0.4726
ug/l
19
14
9
4
-1
2001
2009


Benzene Concentration Trend at Gude Landfill
All Monitoring Locations
y = 2E-05x² - 0.0079x + 1.875
R² = 0.0083
ug/l
20
15
10
5
0
2001
2009


cis-1,2-Dichloroethane Concentration Trend at Gude Landfill
All Monitoring Locations
y = 0.0004x² - 0.1136x + 26.582
R² = 0.0135
ug/l
200
150
100
50
0
2001
2009


Tetrachloroethene Concentration Trend at Gude Landfill
All Monitoring Locations
ug/l
120
100
80
60
40
20
0
y = 0.0002x² - 0.0946x + 14.85
R² = 0.0287
2001
2009


Trichloroethene Concentration Trend at Gude Landfill
All Monitoring Locations
ug/l
150
100
50
0
y = 0.0001x² - 0.0556x + 15.219
R² = 0.0041
2001
2009


Vinyl Chloride Concentration Trend at Gude Landfill
All Monitoring Locations
ug/l
35
30
25
20
15
10
5
0
y = -5E-07x² + 0.0064x + 2.7787
R² = 0.0048
2004
2009

Appendix D

Tables of Metals

Results in (mg/l)

Table 3
Metals and Other Water Quality Parameters

Monitoring Location	Parameter	OB01	OB02	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB102	OB105	OB11	OB11A	OB12	OB15	OB25	ST015	ST120	ST65	ST70	ST80
Gude Landfill - APRIL 2009 Results	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	0.003	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.147	0.157	0.274	0.6	0.593	0.247	0.051	0.194	0.025	0.042	0.131	0.067	0.04	0.422	0.466	0.029	0.162	0.03	0.088	0.113	0.079	0.105	0.045	0.14	0.051
	Beryllium	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
	Cadmium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	ND	ND	ND	ND	ND	ND	ND	0.013	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	0.004	ND	ND	0.042	ND
	Cobalt	ND	ND	ND	0.057	0.063	ND	ND	ND	ND	ND	ND	0.017	ND	0.085	0.011	ND	0.02	ND	0.013	0.024	0.003	ND	ND	ND	ND
	Copper	ND	0.006	0.006	0.098	ND	0.031	0.029	0.012	ND	ND	ND	ND	0.006	0.13	0.013	ND	0.012	ND	ND	ND	0.014	0.015	0.006	0.013	0.006
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	ND	ND	0.003	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT		NT	NT	5.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	9E-04	ND	ND	ND	ND	ND	0.002	9E-04	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.018	0.002	0.007	0.09	0.016	ND	0.016	0.02	ND	ND	ND	ND	0.005	0.103	0.012	0.028	0.038	ND	0.016	0.013	0.017	0.011	0.003	0.01	0.004
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017	0.013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	NT	ND	ND	0.015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	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	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Nt	Nt	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	5E-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	ND	ND	ND	ND
	Zinc	0.012	0.009	0.013	0.034	0.018	0.014	0.032	0.041	ND	ND	ND	ND	0.011	0.078	0.05	0.051	0.031	0.013	0.096	NT	0.054	NT	0.006	0.034	0.008

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

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB01	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Barium	0.0402	0.018	0.0249	0.0342	0.0476	0.1027	0.0588	0.1456	0.036	0.1325	0.1065	0.1459	0.1381	0.1349	0.1286	NT	0.1465
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	ND	0.0021	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Cobalt	ND	ND	ND	ND	ND	0.0054	ND	0.0069	ND	0.007	0.0036	0.0051	0.0094	0.0039	0.0071	NT	ND
	Copper	0.0166	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	0.0029	0.0024	ND	ND	ND	ND	ND	ND	ND	0.0025	ND	ND	ND	ND	NT	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	0.0449	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0004	ND	ND	NT	ND
	Nickel	0.0042	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0013	ND	ND	ND	ND	ND	NT	ND
	Turbidity	1	2.5	3.29	0.9	3.2		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Zinc	0.0196	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0157	0.0084	0.0161	NT	0.012

NT: Not Tested
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ND: Not Detected

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB02	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Barium	0.054	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	ND	ND	0.0035	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	0.003	ND	0.0034	ND	0.0055	ND	0.0049	0.0065	ND	ND	ND	ND
	Copper	ND	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	0.0167	0.0051	0.0034	ND	ND	ND	ND	ND	0.0049	0.0022	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	0.116	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	0.1694	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	ND	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	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
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	4.1	15.6	9.11	5	3.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0059	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.017	0.0176	0.0049	0.0074	0.0091

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB02A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0033
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Barium	0.0791	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	ND	ND	0.0039	0.0026	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
	Copper	0.0139	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	0.0029	0.0034	0.0026	0.0063	ND	ND	ND	ND	ND	ND	0.0031	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	0.0362	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	0.0482	ND	0.0013	ND	ND	ND	ND	ND	ND
	Nickel	ND	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
	Nitrate	0.0092	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	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
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	1.6	2.7	1.85	3	2.8	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0175	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0068	0.0156	ND	ND	0.0131

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

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB03	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	0.0048	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Arsenic	ND	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
	Barium	0.0485	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
	Beryllium	ND	0.0036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Cadmium	ND	0.0045	0.0074	ND	ND	ND	ND	ND	ND	0.0039	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	0.0025	0.0954	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Cobalt	0.0444	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
	Copper	ND	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	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
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	12.29	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
	Mercury	ND	ND	ND	ND	ND	0.0003	ND	ND	0.005	0.0024	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0099	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Pspecific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	0.0035	ND	ND	0.0021	ND	ND	0.0048	0.0046	ND	ND	ND	ND	ND	ND	ND	0.0154
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	0.0012	0.0011	ND	ND	ND	ND	0.0012	0.0012	ND	ND	ND	ND	ND	0.0015	ND	ND
	Turbidity	ND	4.2	50.5	136	3.7	248	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	ND	ND	0.0039	0.0059	0.0078	0.0027	ND	0.0219	ND	0.0023	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0126	0.0253	0.0208	ND	0.0336

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB03A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	0.0092	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	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
	Barium	0.6058	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	0.0046	ND	ND	ND	ND	ND	ND	ND	0.0031	0.0022	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	0.017	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.0386	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
	Copper	ND	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	0.0059	ND	ND	ND	ND	ND	ND	ND	ND	0.0026	ND	ND	ND	ND	ND	ND
	Manganese	12.15	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
	Manganese	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0106	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	ND	ND	ND	0.004	0.0021	ND	ND	0.0029	ND	ND	ND	0.003	ND	ND	ND	ND
	Silver	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	0.0021	0.0043	0.0019	ND	ND	ND	0.0013	ND	0.0012	ND	ND	ND	ND	ND	ND	ND
	Turbidity	98	245	66	9.3	463	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	0.0005	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
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0064	0.017	0.0134	0.0272	0.0272	0.0182	0.0182

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Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB04	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	0.0041	0.0138	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0315	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0103	ND	ND	0.0028	ND
	Chromium	NT	NT	NT	NT	NT	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
	Copper	0.0262	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	0.0028	ND	0.0039	ND	ND	ND	ND	ND	ND	0.0027	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	0.3618	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0113	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	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
	Silver	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	0.1	1.2	0.64	4.6	2.6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.007	0.0058	0.0167	ND	0.0138

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Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB04A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	0.0054	0.0192	0.0039	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0898	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	0.0062	ND	0.0023	0.0032	ND	ND	ND	ND	ND	ND	ND	0.0022	ND	0.0026	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	0.0218	0.0263	0.0246	0.0124	0.0312	0.0165	0.0262	0.0348	0.0339	0.0218	0.026	0.0248	0.0227	0.0261	0.03	0.027	0.0288
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	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	NT
	Manganese	0.3003	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	0.0799	ND	ND	ND	ND	ND	0.0004	ND	ND
	Nickel	0.0095	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	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
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	1.1	0.78	1.49	1	1.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0166	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

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Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB06	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	ND	ND	0.0034	ND	ND	ND	ND
	Arsenic	ND	ND	0.0038	0.0125	ND	ND	ND	ND	ND	ND	ND	0.003	0.0027	ND	0.0027	ND	ND
	Barium	0.1469	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	0.0037	ND	ND	0.0043	ND	ND	ND	ND	ND	ND	ND	0.0104	ND	0.0768	ND	ND	0.0127
	Cobalt	0.0026	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
	Copper	0.0085	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	ND	ND	0.0023	ND	ND	ND	ND	ND	0.0028	ND	0.0048	ND	0.0491	ND	ND	ND
	Magnesium																	
	Manganese	0.1843	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0005	0.0003	ND	ND
	Nickel	ND	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	0.0035	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	0.0096	0.0088	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0031	ND	ND	ND
	Turbidity	1.6	3.4	2.43	3.1	1.7	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0069	ND	0.0724	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.036	0.2789	0.031	0.0321	0.0414	0.0414

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB07	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0404	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.0037	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	0.0039	ND	0.0039	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0034	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	ND	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0031	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	0.017	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0003	ND	ND	ND	ND	ND
	Nickel	ND	ND	ND	0.0031	ND	ND	ND	ND	ND	ND	0.0022	ND	0.0024	0.0056	0.0022	ND	ND
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	ND	0.0032	0.0089	0.0025	ND	ND	ND	ND	ND	0.0042	ND	0.0029	0.0054	0.0028	ND	ND
	Silver	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	0.9	1.1	0.4	3.4	3.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0075	0.023	ND	ND	ND	ND

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB07A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	0.0036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.034	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	ND	ND	ND	0.0074	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	0.0029	ND	0.0041	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0025	0.0027	ND	ND
	Copper	0.0183	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	0.0027	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	0.317	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
	Mercury	0.0017	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
	Nickel	0.0056	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	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
	Silver	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	0.3	0.95	1.28	2.4	5.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0065	0.0086	ND	ND	ND

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB08	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	0.0027	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0361	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
	Beryllium	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	0.0041	ND	NT	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	ND	ND	ND	0.004	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	0.0029	ND	NT	ND	ND	ND	ND	ND	0.0084	0.0078	0.0069	0.0034	ND	ND
	Copper	0.0176	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	0.0022	ND	0.0032	ND	NT	ND	ND	ND	0.0021	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	5.08
	Manganese	5.08	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
	Mercury	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0052	ND	ND	0.0149	0.0028	NT	ND	ND	ND	0.0028	0.0021	0.0081	0.0089	0.0082	0.0039	ND	ND
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	ND	ND	0.0057	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	0.2	1.45	1.36	8.1	22.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0057	0.0039	0.0048	ND	ND	ND

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Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB08A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	0.0191	ND	NT	ND	ND	ND	ND	ND	0.0026	0.003	0.0022	ND	ND	ND
	Barium	0.0043	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
	Beryllium	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	0.0052	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	ND	ND	ND	0.0037	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.0022	0.0054	0.0035	0.0664	ND	NT	ND	ND	ND	ND	ND	0.0184	0.0171	0.0177	0.0094	ND	0.0167
	Copper	ND	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	ND	ND	0.0027	ND	NT	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	NT
	Manganese	5.54	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
	Mercury	ND	ND	ND	0.0003	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0062	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	ND	ND	0.0265	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	1.1	6.3	5.42	8.5	26.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0083	0.0051	0.0045	ND	ND	ND

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Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB10	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004	ND	ND	ND	ND	ND
	Barium	0.0462	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	0.0034	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	0.0033	ND	ND	0.0028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.0032	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
	Copper	ND	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	0.0247	0.0063	ND	0.0021	ND	ND	ND	ND	ND	ND	0.0021	ND	0.0031	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	2.08	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0055	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	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
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	4	2.6	7.6	3.8	26.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.023	0.0198	0.0087	ND	0.0107

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Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB102	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	0.0038	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	0.0052	0.0251	ND	ND	ND	ND	ND	ND	0.0042	0.0061	0.0057	0.0196	0.0063	0.0061	ND
	Barium	0.1103	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.008	ND	ND	ND
	Cadmium	ND	ND	0.0022	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	0.0043	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
	Cobalt	0.0201	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
	Copper	0.0166	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	0.0028	0.0025	0.0036	ND	ND	ND	ND	0.0026	ND	0.0046	0.0022	ND	ND	0.0806	ND	0.0055	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	4.29	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0006	ND	ND	ND
	Nickel	0.0113	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	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
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0087	ND	ND	ND
	Turbidity	4.2	13.5	66.5	3.8	6.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	0.0021	0.0045	0.0098	ND	ND	ND	ND	ND	0.0047	ND	ND	0.003	0.1443	ND	0.0105	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.021	1.254	0.0248	0.0424	0.0776

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB105	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0027	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
	Barium	0.1043	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
	Beryllium	ND	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	NT	NT	ND	ND	ND	ND	ND	ND	ND	0.0079	0.0125	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	0.0035	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
	Cobalt	0.0061	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
	Copper	0.0319	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	0.0031	NT	NT	0.0039	0.0054	ND	0.0024	ND	ND	0.0033	0.0033	ND	ND	0.0033	0.0021	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	1.268	NT	NT	2.301	0.8784	1.85	2.046	1.112	2.1005	2.237	ND	1.481	NT	NT	NT	NT	NT
	Mercury	ND	NT	NT	ND	ND	ND	ND	ND	0.0108	ND	ND	ND	ND	0.0004	ND	ND	ND
	Nickel	0.0096	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	0.006	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
	Silver	ND	NT	NT	0.0262	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	36	NT	NT	24.3	31.4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	0.0034	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
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0175	0.0799	0.1131	0.0352	0.0501

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB11	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	0.0055	ND	ND	ND	0.0021	ND	0.0024	ND	ND
	Barium	0.0154	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.0049	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
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	ND	ND	ND	ND	ND	ND	ND	0.0023	ND	ND	ND	0.0027	ND	0.0037	ND	ND	ND
	Cobalt	ND	ND	ND	0.0027	ND	0.0025	0.0613	0.0027	0.0452	ND	ND	ND	ND	0.0036	ND	ND	ND
	Copper	0.0151	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	ND	0.0022	ND	ND	ND	ND	0.0074	0.0028	0.0026	0.0023	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	0.2091	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
	Mercury	0.0003	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
	Nickel	0.0086	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	ND	ND	0.0028	ND	ND	ND	ND	0.0034	ND	ND	ND	0.0036	0.0043	0.0029	ND	ND
	Silver	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	0.1	1.5	3.66	2.5	1.6	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0389	0.04	0.0427	0.038	0.0508	0.0508

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Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB11A	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	0.0033	0.0032	ND	ND	ND	ND	0.0087	ND	0.0027	ND	ND	ND	0.0072	0.0031	ND	ND
	Barium	0.1587	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
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.0049	0.0054	0.0058	ND	0.0048	ND	0.0061	0.01	0.0076	0.0051	0.005	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	ND	ND	ND	0.0026	ND	ND	ND	0.0025	ND	ND	ND	ND	ND	0.0024	ND	ND	0.0102
	Cobalt	0.0764	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
	Copper	ND	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	0.0067	0.0037	0.0024	ND	ND	ND	0.0179	0.0026	0.003	0.0031	ND	ND	0.0079	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	5.42	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
	Mercury	ND	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
	Nickel	0.0293	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	ND	ND	0.0042	ND	ND	ND	0.0048	ND	0.0022	0.0022	ND	0.0029	0.0067	0.0022	ND	ND
	Silver	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	10.1	11.1	97.7	1.7	24.1	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt	Nt
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0193	0.0229	0.0219	0.025	0.0305	0.0305

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Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB12	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	NT	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
	Beryllium	NT	NT	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	NT	NT	NT	0.003	NT	NT	NT	NT	0.0024	ND	ND	0.0104	ND	ND	ND	ND	ND
	Cobalt	NT	NT	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	NT	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	NT	NT	NT	ND	NT	NT	NT	NT	ND	0.0032	0.0032	0.0046	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	NT	NT	NT	0.1163	NT	NT	NT	NT	1.03	0.6074	0.2305	0.1681	NT	NT	NT	NT	NT
	Mercury	NT	NT	NT	ND	NT	NT	NT	NT	0.0006	0.0004	0.0005	0.0011	ND	0.0015	0.0007	ND	ND
	Nickel	NT	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	NT	NT	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	NT	NT	NT	ND	NT	NT	NT	NT	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	NT	NT	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	NT	NT	NT	3.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	NT	NT	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.013	0.0478	0.0222	0.0236	0.0125

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

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB15	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	0.0105	ND	0.031	ND	ND	ND	ND	0.0031	ND	ND	0.0366	ND	ND	ND	ND	ND
	Barium	0.0443	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
	Beryllium	ND	ND	ND	0.009	ND	ND	ND	ND	0.0039	ND	ND	0.0088	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	0.015	ND	ND	ND	ND	ND	ND	ND	0.0099	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	0.0034	0.02	0.0034	0.425	0.0047	ND	ND	ND	0.1041	ND	0.009	0.3214	ND	0.0521	ND	ND	ND
	Cobalt	0.0034	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
	Copper	ND	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	0.0025	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
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	0.4653	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
	Mercury	ND	ND	ND	0.0006	ND	ND	ND	ND	ND	ND	ND	0.0003	ND	ND	ND	ND	ND
	Nickel	0.0061	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	0.0134	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0024	ND	0.0024	ND	ND	ND
	Turbidity	280	255	102	592	167	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	0.006	ND	0.198	0.0029	ND	ND	ND	0.039	ND	0.0032	0.1477	ND	0.0282	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0081	1.2155	0.022	0.021	0.0955	0.0955

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location OB25	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	0.0256	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	0.0041	0.0065	ND	ND	0.0034	ND	ND	0.004	ND	ND	ND	ND	0.0024	ND	ND
	Barium	0.0597	0.0851	0.1423	0.1118	0.1133	0.0846	0.1361	0.08	0.0817	0.2081	0.0658	0.0794	0.0832	0.1085	0.1388	0.1179	0.1126
	Beryllium	ND	ND	ND	ND	0.0046	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	0.0065	ND	ND	ND	ND	0.0024	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	0.0046	ND	0.0182	0.006	ND	ND	0.0228	0.0035	ND	0.0652	ND	ND	ND	0.0046	0.0089	ND	ND
	Cobalt	0.0102	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
	Copper	ND	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	0.0031	ND	0.0401	0.0043	ND	ND	0.0086	ND	ND	0.026	0.0021	ND	ND	ND	0.0026	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	12.98	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
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0051	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	ND	ND	0.006	ND	ND	0.0025	ND	ND	0.0053	ND	ND	ND	0.0023	ND	ND	ND
	Silver	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	ND	ND	ND	0.0054	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	56	37	966	225	94	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	ND	0.0238	0.0127	ND	ND	0.0171	0.0022	ND	0.0629	ND	ND	ND	ND	0.0087	ND	ND
	Zinc	0.0378	0.0487	0.1868	0.0263	0.0243	0.0243	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location ST015	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Arsenic	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Barium	0.0278	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
	Beryllium	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Cadmium	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0041
	Cobalt	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0027
	Copper	0.0169	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0032
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	0.1065	NT	NT	NT	NT	NT	0.2846	0.1448	0.1394	0.1185	0.1826	0.1261	NT	NT	NT	NT	NT
	Mercury	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Nickel	0.005	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Silver	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
	Turbidity	2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	0.0027
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0246	0.0187	0.0296	NT	0.0536

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location ST120	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	NT	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
	Beryllium	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	NT	ND	0.0024	NT	ND	ND	ND	ND	ND	0.0021	0.0021	0.0026	0.0027	ND	ND	ND	ND
	Cobalt	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	NT	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	NT	ND	ND	NT	ND	ND	ND	ND	ND	0.0031	0.0028	ND	0.0021	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	NT	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
	Mercury	NT	ND	ND	NT	ND	ND	ND	ND	ND	0.0006	ND	ND	ND	ND	ND	ND	ND
	Nickel	NT	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium																	
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate																	
	TDS																	
	Thallium	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	NT	3.5	3.74	NT	4.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	NT	ND	ND	NT	ND	ND	ND	ND	ND	0.004	ND	0.0033	0.0028	ND	ND	ND	ND
	Zinc	0.0215	0.0055	ND	ND	0.0115	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location ST65	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	NT	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
	Beryllium	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	NT	ND	0.0031	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	NT	ND	ND	ND	ND	ND	0.0074	ND	ND	ND	ND	ND	0.0134	ND	ND	ND	ND
	Copper	NT	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0032	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	NT	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
	Mercury	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	NT	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	NT	ND	ND	0.0044	ND	ND	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	NT	1.5	1.88	0.2	4.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0185	0.0032	ND	ND	0.0058

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

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location ST70	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	NT	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
	Beryllium	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	NT	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
	Cobalt	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	NT	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	NT	ND	0.0046	NT	ND	ND	ND	ND	ND	ND	0.0023	ND	ND	0.0039	ND	ND	0.0027
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	NT	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
	Mercury	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	NT	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	NT	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	NT	1.9	46.3	NT	16.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	NT	ND	0.0033	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	NT	NT	0.0167	0.0187	0.016	ND	0.0342

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

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

Monitoring Location	Parameter	Spring 2001	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
Monitoring Location ST80	Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	NT	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
	Beryllium	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chemical Oxygen Demand	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium	NT	ND	0.0061	NT	ND	ND	ND	ND	0.0042	ND	ND	ND	0.0026	0.0021	ND	ND	ND
	Cobalt	NT	ND	0.0071	NT	ND	ND	ND	ND	ND	0.0023	ND	ND	ND	ND	ND	ND	ND
	Copper	NT	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
	Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	NT	ND	0.008	NT	ND	ND	ND	ND	ND	0.0028	0.0023	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Manganese	NT	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
	Mercury	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	NT	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
	Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	NT	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	NT
	Specific Conductance	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Thallium	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	NT	2.5	28.3	NT	51	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vanadium	NT	ND	0.0148	NT	ND	ND	ND	ND	0.0045	0.003	ND	ND	0.0028	ND	ND	ND	ND
	Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0091	0.0085	0.0066	ND	0.0078

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Appendix E

Table of Groundwater Elevations and Groundwater Elevation Contour Map

Results in (ft. AMSL)

Water Table Elevations
Gude Landfill

STATION ID	Well Elevation (ft)	April 09 Water Elevation (ft)				
OB01	416	399.7				
OB02	421	403.3				
OB02A	421	403.5				
OB03	414	387.5				
OB03A	414	387.8				
OB04	361	356.2				
OB04A	361	355.4				
OB06	351	340.6				
OB07	332	323.5				
OB7A	332	323.2				
OB08	324	317.2				
OB08A	324	316.5				
OB10	322	315.6				
OB102	361	347.7				
OB105	364	360.6				
OB11	365	356.5				
OB11A	365	356.9				
OB12	417	399.4				
OB15	427	405.4				
OB25	364	355.7				

Elevations are from Sea Level

April 2009 Data