WATER QUALITY MONITORING REPORT

for

GUDE LANDFILL

Montgomery County, Maryland

FALL 2016

Prepared by Montgomery County Department of Environmental Protection

Prepared for Maryland Department of Environment, Solid Waste Program

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INTRODUCTION:

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

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

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

- VOC sampling results;
- Metals sampling results;
- Groundwater elevation and flow;
- Trends analysis/conclusions

In describing the monitoring results for VOC and metals we continue to distinguish data that exceed a selected reference benchmark (Benchmark), and for that purpose we continue to use the USEPA Maximum Contaminant Level (MCL) drinking water standard. However, it is important to note that: (a) the MCL is a drinking water standard and (b) the groundwater monitored is nowhere being used as a source of drinking water.

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

1. Volatile Organic Chemical Sampling Results:

The highlights of the results for this reporting period are described below. Please refer to Table 1 of the report for all the VOC results from the current sampling and to Table 2 and Appendix F for historical trend analyses.

- No VOCs were detected above the Benchmark in the following monitoring wells and stream locations:
  - **Pre-existing monitoring wells:** OB01, OB02, OB02A, OB04, OB04A, OB06,

OB07, OB07A, OB08, OB15, OB102, and OB105.

- **Monitoring wells installed in 2010:** MW1B, MW2A, MW2B, MW3A, MW3B, MW04, MW06, MW07, MW08, MW10, MW11A, MW11B, and MW12.

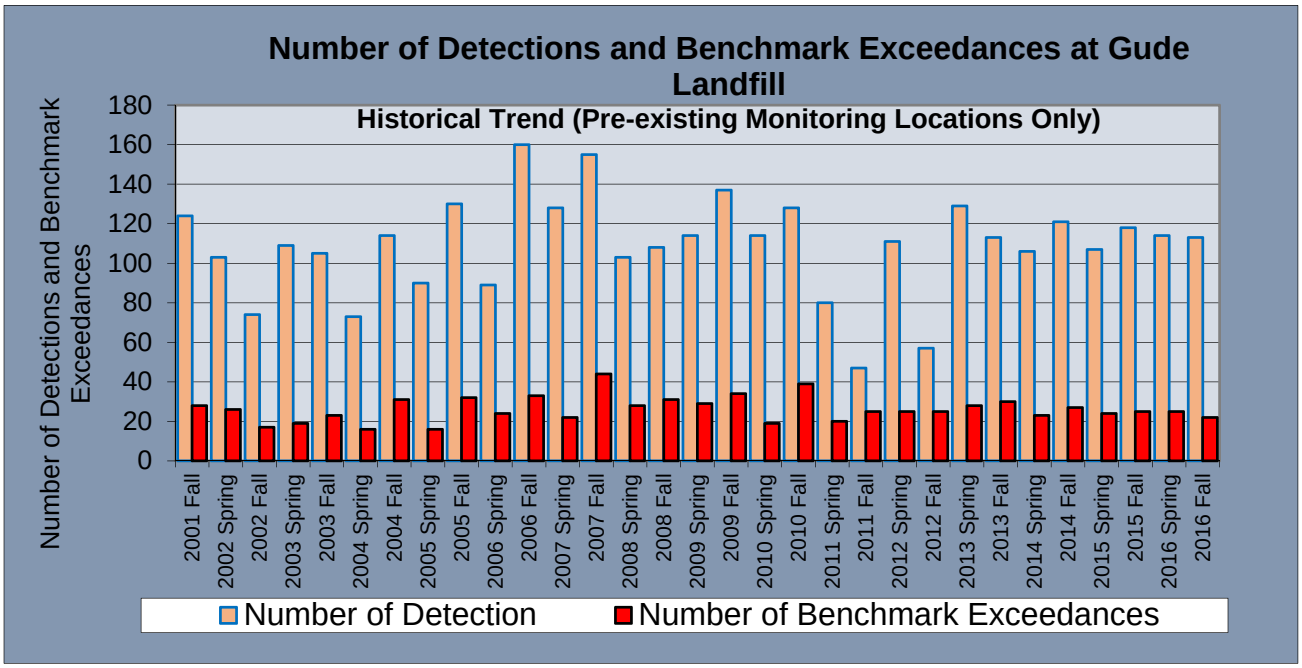
- **Stream Locations:** No VOCs were detected above the Benchmark in any of the monitored stream locations.

- Twelve (12) VOCs were identified as having increasing statistical trends and sixteen (16) of the monitoring wells had one (1) or more VOCs with increasing statistical trends.
- Twelve (12) VOCs were identified as having decreasing trends and fourteen (14) of the monitoring wells had one (1) or more VOCs with decreasing statistical trends.
- Eight (8) VOCs (benzene; chlorobenzene; 1,1-dichloroethane; cis-1,2-dichloroethene; 1,2-dichloropropane; methylene chloride; tetrachloroethene; vinyl chloride) had both decreasing and increasing trends.
- Four (4) VOCs had only increasing trends: 1,2-dichlorobenzene (OB03, OB11, OB11A); 1,4-dichlorobenzene (OB03, OB03A, OB04, OB04A, OB08, OB08A, OB10, OB11, OB11A, OB12, OB105); and 1,2-dichloroethane (OB11, OB12); and trans-1,2-dichloroethene (OB10, OB12).
- Four (4) VOCs had only decreasing trends: chloroethane (OB03, OB03A), dichlorodifluoromethane (MW13A, MW13B, OB03, OB03A, OB10, OB11, OB11A), trichloroethene (MW13B, OB01, OB02A, OB03, OB08A, OB11A), and trichlorofluoromethane (OB11A).
- A total of 32 VOCs exceeded the Benchmark in the following monitoring wells:
  - **Pre-existing monitoring wells:** OB03 (4 exceedances), OB03A (2 exceedances), OB08A (1 exceedance), OB10 (2 exceedances), OB11 (5 exceedances), OB11A (3 exceedances), OB12 (4 exceedances), and OB25 (1 exceedance).
  - **Monitoring wells installed in 2010:** MW09 (1 exceedance), MW13A (5 exceedances), and MW13B (4 exceedances).

  The following include a summary of these 32 VOC concentrations exceeding the Benchmarks:

  - 1,2-Dichloropropane concentration exceeded the Benchmark of 5 ug/l in observation wells OB03, OB12, MW13A, and MW13B. Concentrations exceeding the Benchmark for this compound ranged from 5.5 ug/l in MW13B to 10 ug/l in OB12.
  - cis-1-2-Dichloroethene concentration exceeded the Benchmark of 70 ug/l in observation wells OB03, OB11, and MW13A. Concentrations exceeding the Benchmark for this compound ranged from 82 ug/l in OB03 to 96 ug/l in OB11.
  - Dichloromethane concentration exceeded the Benchmark of 5 ug/l in observation well OB11 at 7.5 ug/l.

- Tetrachloroethene concentration exceeded the Benchmark of 5 ug/l in observation wells OB11, OB11A, OB12, MW09, MW13A, and MW13B. Concentrations exceeding the Benchmark for this compound ranged from 6.7 ug/l in OB11A to 18 ug/l in OB12.
- Trichloroethene concentration exceeded the Benchmark of 5 ug/l in observation wells OB03, OB03A, OB10, OB11, OB11A, OB12, MW13A, and MW13B. Concentrations exceeding the Benchmark for this compound ranged from 7.1 ug/l in OB03A to 23 ug/l at MW13A.
- Vinyl Chloride concentration exceeded the Benchmark of 2 ug/l in observation wells OB03, OB03A, OB08A, OB10, OB11, OB11A, OB12, OB25, MW13A, and MW13B. Concentrations exceeding the Benchmark for this compound ranged from 2.6 ug/l in OB08A to 18 ug/l in OB10.



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

2. Inorganic and Metals Sampling Results:

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

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

- Twenty-five (25) metals (total and dissolved) were identified as having increasing statistical trends and eighteen (18) of the monitoring wells had one (1) or more metals with increasing statistical trends.
- Twenty-nine (29) metals (total and dissolved) were identified as having decreasing statistical trends, and thirty-one (31) of the monitoring wells had one (1) or more metals with decreasing statistical trends.
- One metal sample exceeded the Benchmark. It was in the following monitoring location:
    - **Pre-existing monitoring wells:** OB11 (1 exceedance of the 0.005 mg/l Benchmark for Cadmium -vs- actual at 0.011 mg/l concentration).
    - **Monitoring wells installed in 2010**: No exceedances.
    - **Stream Locations**: No exceedances.

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

3. Physical Water Quality Measurements:

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

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

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

4. Groundwater Elevations and Flow:

The groundwater elevation measurements of all the monitoring wells for the past monitoring events are included in Table 5 of this report. The results obtained from all the pre-existing and monitoring wells installed in 2010 indicate that the overall average groundwater elevation at Gude Landfill has decreased by 1.9 ft. from March 2016 to September 2016. Based on the groundwater elevation measurements collected from all (36) monitoring wells around the perimeter of the landfill, it appears that the groundwater flow at Gude Landfill is consistent with the topography of the Landfill itself. The groundwater appears to be flowing outward from the center toward the edges of the landfill. These outward flow directions seem to be more distinct on the southern and

eastern portion of the landfill with minor flow components to the north and northeast. In general, the groundwater flow appears to basically follow the direction of surface water around the Gude Landfill.

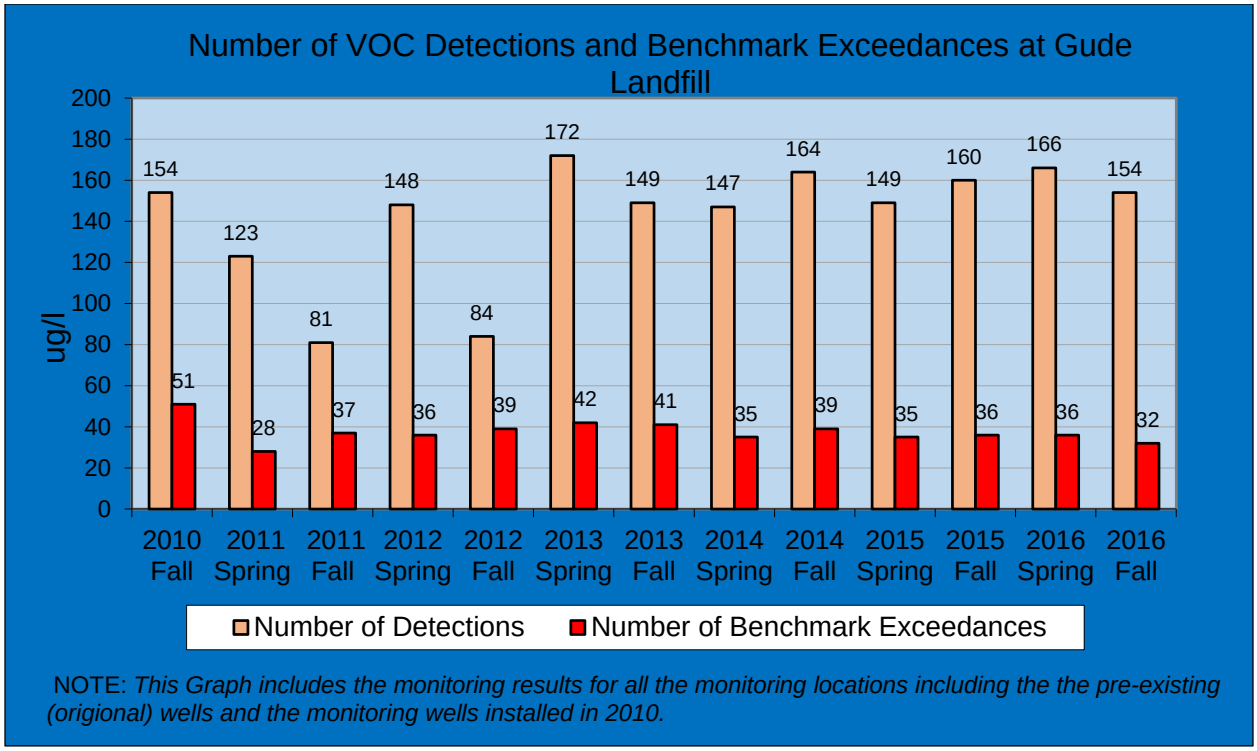
5. Conclusions/Trend Analysis:

Major findings of comparing the results obtained from the latest monitoring activities (Fall 2016) and the historical data in the past several years indicate that:

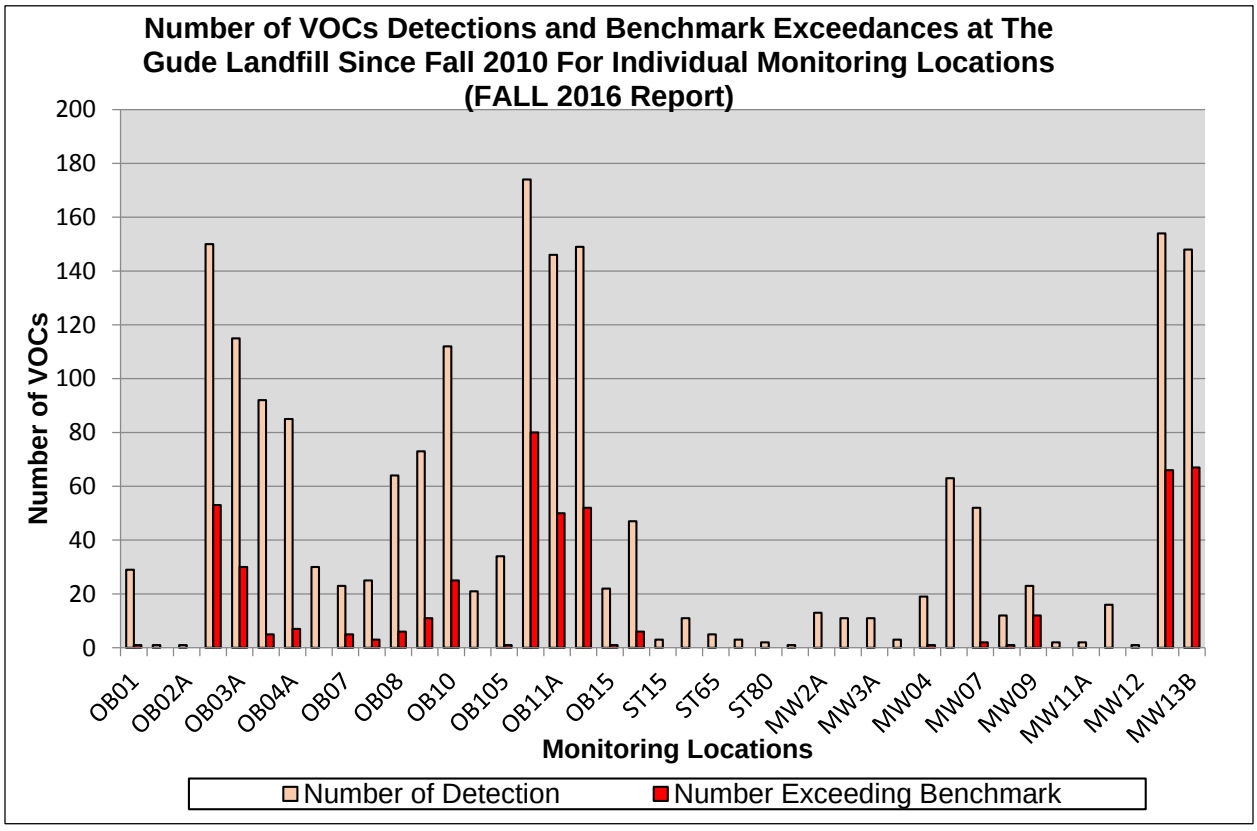
I. There are indications of some low level groundwater and surface water contamination in the vicinity of Gude Landfill, including multiple Benchmark exceedances.
II. Detected contaminants at Gude Landfill mainly involve chlorinated solvent degradation products including 1,1-Dichloroethane, 1,2-Dichloropropane, 1,4-Dichlorobenzene, Chlorobenzene, cis-1,2-Dichloroethene, Tetrachloroethene, Trichloroethene, and Vinyl Chloride.
III. Historically most of the contaminants and Benchmark exceedances have been detected at OB11/OB11A/OB12 located on the south side (front side) of the landfill and observation wells OB03/OB03A and MW13A/MW13B on the north side (back side) of the landfill.

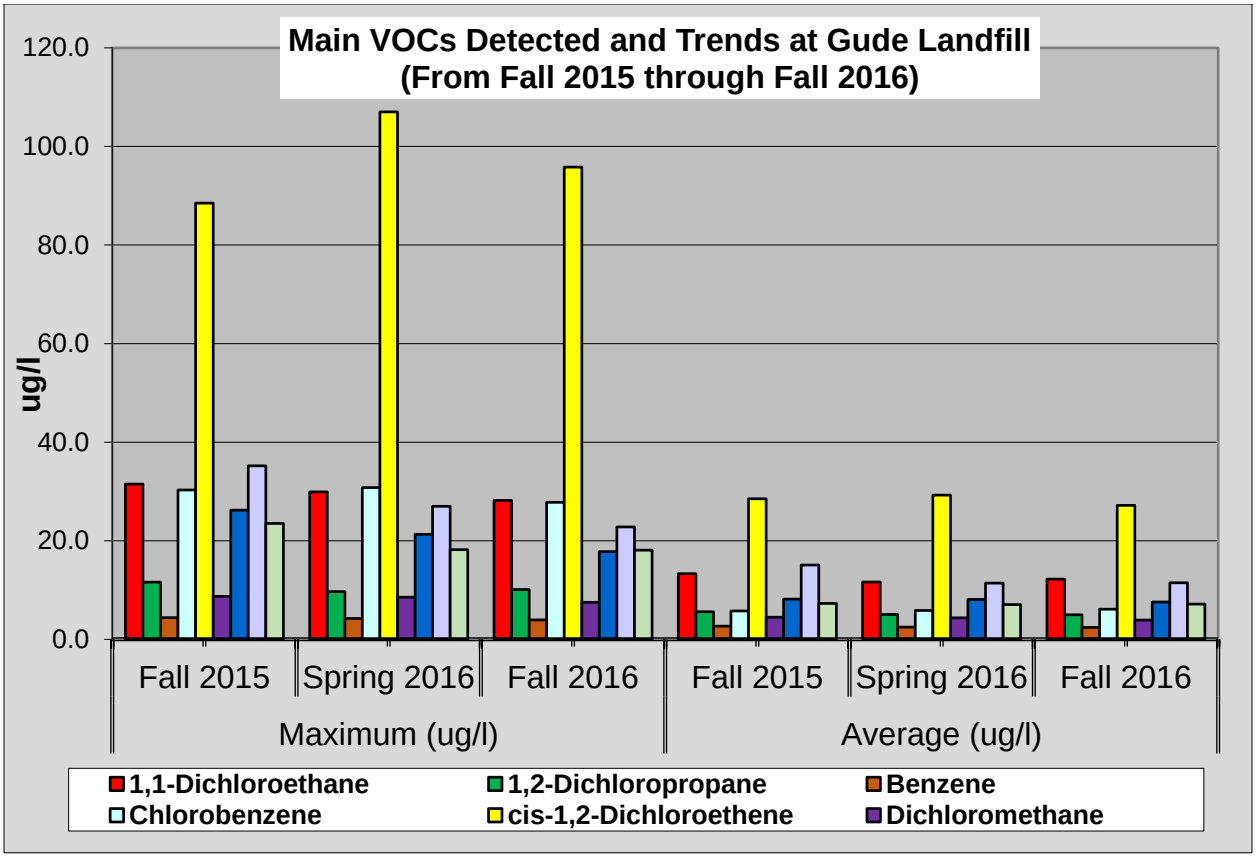
To provide an overall perspective on the quality of groundwater and surface water around the Gude Landfill, a summary of statistical trend analyses and observations are provided below and are included in Appendix F of this report. Please refer to the attached tables and diagrams for additional information.

- Groundwater flow around the landfill appears to follow the general topography of the area where the landfill is located and it follows the general surface water flow direction. The overall surface water flow in the area is towards the east and south away from the landfill.
- Most of the detected groundwater contaminants at Gude Landfill are Volatile Organic Compounds (VOCs). These low levels of VOCs detected in groundwater are generally not transported to surface waters.
- The overall number of detections per year has remained relatively constant over the past 10-year time period.
- While some detected VOC concentrations (1,2-Dichloropropane in OB03) appear to be constantly exceeding Benchmark level, the concentration for other VOC (Tetrachloroethene in OB03) seem to be decreasing over the same period suggesting an ongoing VOC degradation process. Contaminants at Gude Landfill mainly involve chlorinated solvent degradation products including 1,1-Dichloroethane, 1,2-Dichloropropane, cis-1,2-Dichloroethene, Tetrachloroethene, Trichloroethene, and Vinyl Chloride.
- Since Fall 2010, most of all detections exceeding Benchmark have occurred in observation wells located on the northern and southern part of the landfill which includes OB11/OB11A/OB12 located on the south side (front side) of the landfill and observation wells OB03/OB03A and MW13A/MW13B on the north side (back side) of the landfill.



NOTE: *This Graph includes the monitoring results for all the monitoring locations including the the pre-existing (origional) wells and the monitoring wells installed in 2010.*

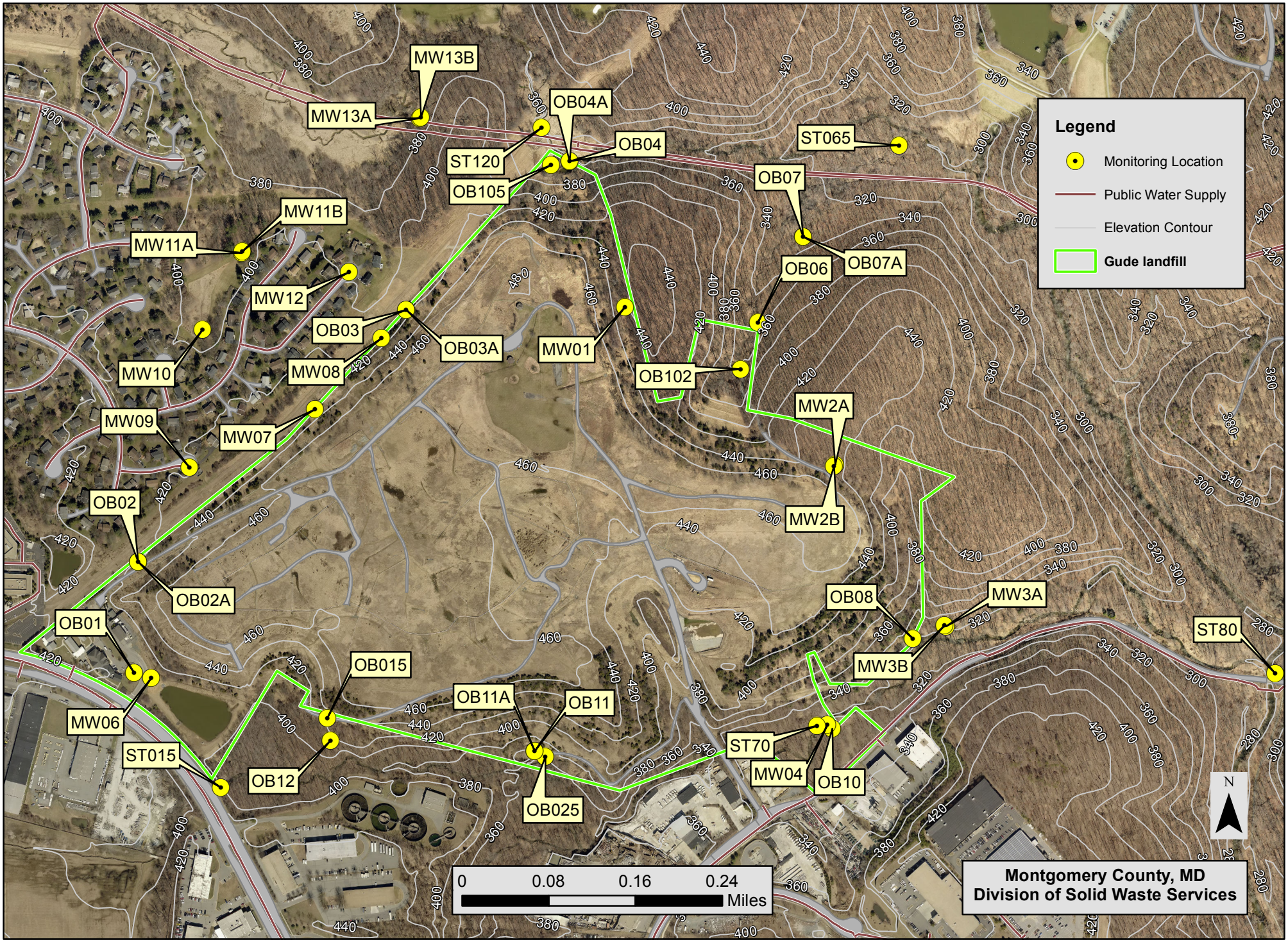



Main VOCs Detected and Trends at Gude Landfill
(From Fall 2015 through Fall 2016)
120.0
100.0
80.0
60.0
40.0
20.0
0.0
ug/l
Fall 2015
Spring 2016
Fall 2016
Fall 2015
Spring 2016
Fall 2016
Maximum (ug/l)
Average (ug/l)
1,1-Dichloroethane
1,2-Dichloropropane
Benzene
Chlorobenzene
cis-1,2-Dichloroethene
Dichloromethane

Appendix A

Gude Landfill Aerial Photo and Sample Locations

Groundwater and Surface Water Monitoring Locations at Gude Landfill - Fall 2016



Appendix B

Tables of Volatile Organic Compounds

Results in (μg/l)

TABLE 1 - Volatile Organic Compounds

	Parameter	OB01	OB02	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10
FALL 2016	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	28.2	17.2	ND	ND	ND	ND	ND	ND	ND	2.48
	1,1-Dichloroethene	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
	1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	1.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	3.82	2.1	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	**8.28**	4.64	ND	ND	ND	ND	ND	1.26	1.95	3.19
	1,4-Dichlorobenzene	ND	ND	ND	16.5	5.43	5.38	4.69	1.29	ND	ND	3.4	5.64	9.39
	2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	3.25	1.44	1.7	1.42	ND	ND	ND	ND	ND	2.16
	Bromochloromethane	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
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	1.97	ND	1.3	ND	1.48	ND	ND	4.91	8.05	3.57
	Chloroethane	ND	ND	ND	1.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.59	ND	ND	**81.6**	49.9	13.4	15.8	1.12	1.5	1.26	11	15.1	39
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	1.8	2.98	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Chloride	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
	Methyl-tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	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
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	1.27	ND	ND	ND	1.45	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	6.09	3.01	ND	ND	ND	ND	ND	ND	ND	2.39
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	**21**	**7.06**	1.3	1.37	ND	ND	ND	ND	ND	**10.2**
	Trichlorofluoromethane	ND	ND	ND	2.09	1.33	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	**12.2**	**7.12**	1.35	1.68	ND	ND	ND	1.05	**2.56**	**18.1**
	Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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

TABLE 1 - Volatile Organic Compounds

	Parameter	OB11	OB11A	OB12	OB15	OB25	OB102	OB105	MW1B	MW2A	MW2B	MW3A	MW3B	MW04	MW06	MW07
FALL 2016	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	15.6	14.4	16.7	1.64	1.77	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-chloropropane	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	2.85	2.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	2.91	2.41	1.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	4.83	4.46	**10.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	18	17	8.06	ND	1.37	ND	1.88	ND	ND	ND	ND	ND	ND	1.34	2.94
	2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	7.99	ND	ND	ND	ND	ND	ND	ND	ND	8.84	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	3.6	2.31	3.95	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	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	27.8	23.3	3.02	ND	1.64	1.88	ND	ND	ND	ND	ND	ND	ND	3.75	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	1.14	ND	ND	ND	ND
	cis-1,2-Dichloroethene	**95.8**	68.1	38.4	1.02	12	ND	6.64	ND	ND	ND	ND	ND	1.04	7.86	7.77
	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	**7.51**	ND	3.84	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 Chloride	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	ND
	Methyl-tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	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	**16.8**	**6.69**	**17.8**	ND	ND	ND	ND	ND	2.04	1.28	ND	ND	ND	ND	1.02
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	3.3	3.06	2.51	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-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	**18.8**	**15.8**	**20.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	1.33	ND	2.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**13.5**	**14.8**	**3.88**	ND	**3.79**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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

TABLE 1 - Volatile Organic Compounds

	Parameter	MW08	MW09	MW10	MW11A	MW11B	MW12	MW13A	MW13B	ST15	ST65	ST70	ST80	ST120
FALL 2016	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	13.4	10.7	ND	NS	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	1.95	1.94	ND	NS	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	**5.56**	**5.53**	ND	NS	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	5.19	7.86	ND	NS	ND	ND	ND
	2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	1.88	2.58	ND	NS	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	1.46	1.62	ND	NS	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	1.37	ND	ND	NS	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	1.4	ND	**86.7**	67.5	ND	NS	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	3.48	3.95	ND	NS	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Methyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Methyl-tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Tetrachloroethene	ND	**9.71**	ND	ND	3.24	ND	**15.3**	**14.2**	ND	NS	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	2.95	2.57	ND	NS	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Trichloroethene	ND	1.17	ND	ND	1.13	ND	**22.8**	**16.6**	ND	NS	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	**6.66**	**6.51**	ND	NS	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
OB01	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	1.02	1.85	0.75	1.33	ND	ND	ND	ND	1.09	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	1	1.48	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	0.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	1.94	2.81	3.19	ND	ND	1.9	ND	1.64	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	1.03	1.57	1.43	ND	ND	1.3	ND	1.1	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	0.92	0.74	ND	ND	ND	ND	1.38	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	11.8	ND	7.71	6.6	ND	6.2	ND	6.68	1.9	2.81	2.39	2.97	1.63	1.79	1.59
	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	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	ND	ND	ND	ND	ND	ND	ND	5.12	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	0.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	0.34	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	1.2	ND	0.51	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	0.67	0.70	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	0.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	**2.77**	**5.09**	ND	ND	1.2	ND	1.3	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
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	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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	0.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.5	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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-butene	NT	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	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
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	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	NT	NT	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	9.19	ND	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	1.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	48.38	45	13.2	36.40	23	ND	23	34.4	34.3	37.8	18	29.8	24.6	31.5	29.9	28.2
	1,1-Dichloroethene	ND	ND	ND	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	ND	ND	1.52	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	NT	0.83	1.92	ND	ND	1.2	ND	1.47	1.57	NT	1.29	1.06	1.51	1.54	1.69
	1,2-Dichloroethane	4.81	ND	1.24	3.84	ND	6	ND	ND	3.68	2.61	1.87	3.74	2.69	4.29	3.54	3.82
	1,2-Dichloropropane	16.14	15.8	3.6	10.10	4.1	11	6.8	12.8	10.5	15.3	5.49	8.57	6.9	9.63	8.41	8.28
	1,4-Dichlorobenzene	ND	13.6	11.7	11.30	ND	ND	9.7	16.6	12.4	18.2	8.08	12.2	8.84	14	13.5	16.5
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	0.12	ND	8.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5.53	4.56	1.83	4.24	ND	5.5	1.9	ND	3.44	5.38	1.32	4.18	1.62	4.27	2.25	3.25
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	2.76	2.98	7.22	2.26	5.7	2.4	3.1	ND	2.04	2.43	1.8	1.79	1.35	1.95	1.82	1.97
	Chloroethane	1.61	1.55	0.79	1.51	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.1	1.05	1.54
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	5.3	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	164.77	156	31.7	117.00	38	ND	71	94.9	97.1	126	54.7	86	74	88.5	87.8	81.6
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	2.05	ND	1.71	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	4.49	ND	ND	11.00	ND	6.2	ND	ND	2.39	ND	ND	3.19	ND	ND	ND	ND
	Toluene	ND	1.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	11.02	9.59	3.11	7.01	6.3	14	4.8	7.24	6.92	3.98	3.72	6.61	4.59	6.41	6	6.09
	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	130.79	131	17.4	81.60	21	82	47	75.6	57.9	87.4	24.2	45.4	21.9	35.2	14.6	21
	Trichlorofluoromethane	ND	4.88	ND	ND	ND	8.3	ND	ND	ND	ND	ND	ND	ND	1.45	1.77	2.09
	Vinyl Acetate	NT	NT	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	29.48	30.5	7.84	28.00	11	41	14	17.5	17.4	16.8	8.89	18.2	11.1	12.8	13.2	12.2
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-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
	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	46.99	25.3	3.23	32.40	ND	ND	11	30.5	12.5	32.5	7.46	21.2	3.77	19.5	7.19	17.2
	1,1-Dichloroethene	ND	ND	ND	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	0.42	0.81	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane	4.1	ND	ND	3.30	ND	3.7	ND	ND	1.47	2.76	ND	2.66	ND	2.37	ND	2.1
	1,2-Dichloropropane	**13.54**	**9.1**	0.92	**10.80**	ND	**8.1**	2.9	**10.5**	3.67	**12.8**	2.25	**6.24**	ND	**5.64**	2	4.64
	1,4-Dichlorobenzene	ND	12.6	5.92	9.28	ND	ND	6.3	14.1	5.64	16	3.82	9.01	2.09	8.08	4.08	5.43
	2-Butanone	NT	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	4.08	4.19	1.2	4.06	ND	4.7	1.3	ND	1.51	4.53	ND	3.33	ND	2.32	ND	1.44
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	3.73	5.52	5.21	2.78	ND	3.3	3.4	ND	2.46	2.78	1.83	2.1	ND	1.62	1.41	ND
	Chloroethane	1.69	1.21	0.33	1.31	ND	ND	ND	ND	ND	1.43	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	1.54	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	**137.52**	**84.9**	6.23	**98.10**	11	ND	33	**94.6**	34.1	**94.8**	22.9	56.2	11.2	53.2	21	49.9
	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	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	1.39	1.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	3.67	**7.11**	ND	**17.80**	ND	ND	ND	ND	ND	ND	ND	1.18	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	9.08	6.06	1.01	5.93	ND	9	2.3	6.13	2.69	5.83	1.46	4.06	ND	3.83	1.46	3.01
	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	**113.09**	**66.7**	2.71	**19.30**	ND	**56**	**18**	**64.8**	**18**	**64**	4.7	**27.2**	1.87	**20.7**	3.36	**7.06**
	Trichlorofluoromethane	ND	3.08	ND	2.47	ND	6.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.33
	Vinyl Acetate	NT	NT	0.01	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**27.36**	**22.9**	1.99	**23.50**	ND	**31**	ND	**15.8**	**7.33**	**12.5**	**4.26**	**11.7**	**2.07**	**8.16**	**3.62**	**7.12**
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
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	0.35	ND	22	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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	ND	0.45	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	NT	0.46	ND	ND	ND	ND	ND	1.01	ND	NT	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	0.52	ND	ND	ND	ND	ND	1.15	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	6.06	5.92	2.91	ND	ND	5.9	5.7	14.7	5.2	5.82	5.31	5.97	5.85	7.55	5.38
	2-Butanone	NT	ND	0.41	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	0.49	11.90	6.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	1.68	1.62	1.6	2.04	2.2	ND	1.6	ND	3.73	1.54	1.61	1.73	1.98	1.86	2.12	1.7
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	1.09	1.18	0.90	ND	ND	1.4	ND	2.85	ND	1.38	1.39	1.56	1.53	1.7	1.3
	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	ND	ND	ND	ND	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	18.92	17	16.8	8.32	67	ND	14	12.4	27.7	ND	12.4	12.4	13.2	13.3	15.3	13.4
	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	ND	ND
	Dichloromethane	1.42	1.93	1.72	1.03	**7.7**	ND	ND	ND	3.48	1.73	1.65	1.66	2.06	1.8	2.13	1.8
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	1.99	1.25	1.69	0.70	**13**	ND	2	ND	3.93	1.24	1.63	1.39	1.59	1.45	1.83	1.27
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	0.45	ND	5.4	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	1.82	1.66	1.51	1.08	**17**	ND	1.6	ND	3.42	1.76	1.38	1.35	1.36	1.49	1.57	1.3
	Trichlorofluoromethane	ND	ND	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	1.47	1.53	1.26	**2.16**	ND	ND	ND	ND	**3.03**	1.71	1.4	1.49	1.57	1.41	1.68	1.35
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	0.47	ND	ND	ND	ND	ND	1.06	ND	NT	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	0.57	0.51	ND	ND	ND	ND	1.33	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	7.33	6.97	4.66	ND	ND	7.6	6.94	15.9	6.23	7.07	6.83	7.95	7.66	9.95	4.69
	2-Butanone	NT	ND	ND	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	ND	18.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	1.65	1.68	1.65	2.45	ND	2.1	1.6	ND	3.5	1.94	1.57	1.7	1.97	1.86	2.15	1.42
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	1.07	1.14	1.14	0.87	ND	ND	1.3	ND	2.56	ND	1.25	1.37	1.34	1.33	1.63	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	24.4	21.8	21.7	8.54	ND	ND	20	16.4	36.8	19.4	16	15.6	17.8	17.3	20.2	15.8
	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	2.98	3.38	3.18	3.39	ND	4.4	ND	ND	**6.57**	ND	2.88	2.8	2.74	3.43	3.85	2.98
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	1.7	1.23	1.52	0.60	ND	1.3	1.9	ND	3.36	ND	1.35	1.14	1.39	1.36	1.65	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	0.55	ND	ND	2.2	ND	ND	1.22	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	1.87	1.83	1.71	1.07	ND	1.3	1.9	ND	3.39	ND	1.47	1.27	1.47	1.63	1.66	1.37
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	1.65	**2.12**	1.83	**2.78**	ND	ND	ND	ND	**4.37**	**2.26**	1.78	**2.35**	**2.06**	1.98	**2.4**	1.68
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	1.43	ND	0.93	ND	ND	7	ND	1.66	1.21	1.42	1.26	1.35	1.12	1.33	1.29
	2-Butanone	NT	ND	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	0.66	0.56	ND	ND	ND	ND	1.4	1.21	1.41	1.05	1.3	1.3	1.61	1.48
	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	ND	ND	ND	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	2.55	2.12	1.82	1.64	ND	ND	1.6	ND	1.65	ND	1.39	1.28	1.21	1.21	1.34	1.12
	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	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	0.68	ND	ND	ND	ND	ND	1.16	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
OB07	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	**19**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	ND	0.54	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	NT	0.47	ND	ND	ND	ND	ND	ND	ND	NT	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	**5.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	**7.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	ND	ND	ND	1.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.45	1.63	1.3	1.48	ND	ND	1.7	ND	1.7	1.66	1.7	1.67	1.53	1.64	1.83	1.5
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	1.3	ND	1.23	1.61	ND	**23**	ND	ND	1.52	ND	1.19	1.2	ND	1.14	1.07	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	0.49	0.72	ND	**23**	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

ND: Not Detected
NT: Not Tested
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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	ND	ND	ND	1.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	3.51	3	1.66	1.80	ND	ND	ND	ND	2.18	1.58	2.17	1.55	1.74	1.73	1.37	1.26
	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	**5.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	2.66	1.81	1.94	1.82	2	**23**	2	ND	2.06	1.99	1.83	1.4	1.2	1.43	1.34	1.45
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	0.64	0.88	ND	**21**	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	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
OB08	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	1.2	0.46	0.87	ND	ND	ND	ND	ND	1.38	ND	1.49	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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	ND	0.54	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	NT	0.59	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	1.24	1.16	1.19	0.78	1.2	ND	1.6	ND	ND	1.54	1.65	1.6	1.2	1.02	1.24	1.26
	1,4-Dichlorobenzene	ND	2.15	2.92	1.84	ND	ND	4	ND	1.01	1.59	3.66	3.52	2.4	2.39	2.7	3.4
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	2.7	0.21	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	0.63	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	22.02	1.95	3.13	3.31	6.1	ND	5.7	4.41	1.52	4.26	4.87	6.88	3.75	4.01	3.97	4.91
	Chloroethane	ND	ND	0.41	0.55	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	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	10.93	10.4	10.3	8.39	8.9	ND	17	14.6	8.33	18.4	15.9	20.8	10.6	10.4	10.6	11
	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	NT	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	0.87	0.66	ND	ND	ND	ND	ND	ND	ND	1.2	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	0.02	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**2.04**	**2.35**	**2.91**	**3.18**	ND	ND	**4**	**3.68**	1.78	**4.41**	**3.53**	**3.83**	1.8	1.55	ND	1.05
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
OB08A	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	1.47	0.44	0.97	ND	ND	ND	ND	ND	1.54	1.15	ND	ND	ND	ND	ND
	1,1-Dichloroethene	1.07	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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	0.32	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	2.11	2.02	1.47	1.10	ND	ND	2	ND	1.08	3.09	2.11	1.8	1.86	2.06	2.14	1.95
	1,4-Dichlorobenzene	ND	3.97	3.34	2.83	ND	ND	4.7	4.19	1.14	1.91	4.78	4.48	4.19	3.92	5.87	5.64
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	1.09	1.03	0.89	0.99	ND	ND	1.1	ND	ND	ND	ND	1.07	1.06	1.03	1.08	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	3.43	3.38	3.93	4.22	7.3	ND	6.6	5.04	1.54	5.3	5.81	7.75	7.48	7.05	8.56	8.05
	Chloroethane	ND	ND	0.47	0.62	1	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	ND	ND	ND	0.89	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	22.57	21.2	13.4	14.10	12	ND	21	19.6	9.61	26.2	20.7	12.1	11.1	11.9	15.1	15.1
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	1.48	1.37	0.99	0.89	ND	ND	ND	ND	ND	1.98	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	1.52	1.29	0.64	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	0.01	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**5.16**	**6.5**	**4.11**	**4.76**	ND	ND	**5.4**	**4.99**	**2.31**	**6.38**	**4.86**	**4.99**	**3.39**	**2.6**	**2.89**	**2.56**
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
OB10	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	3.49	ND	5.60	ND	ND	ND	4.06	7.23	4.91	3.33	3.73	2.86	3.45	2.68	2.48
	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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	ND	ND	ND	ND	ND	ND	1.02	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	0.64	ND	ND	ND	ND	1.43	ND	ND	ND	ND	1.01	ND	ND
	1,2-Dichloropropane	ND	2.53	1.26	2.65	ND	ND	2.8	ND	**5.86**	2.36	2.69	3.25	2.86	4.26	3.31	3.19
	1,4-Dichlorobenzene	ND	4.84	2.1	5.54	ND	ND	5	7.09	12.9	9.31	7.07	8.74	6.93	10.4	8.46	9.39
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	1.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	1.72	0.82	2.04	ND	2.4	1.6	ND	3.49	2.16	1.76	2.26	1.89	2.43	2.23	2.16
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	NT	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	0.32	0.98	ND	ND	1.2	ND	3.16	1.2	2	2.77	2.25	3.46	3.18	3.57
	Chloroethane	ND	ND	0.24	0.68	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	ND	ND	ND	ND	6.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	17.9	11.5	24.00	9.6	ND	24	25.6	51.2	33.9	29	36.7	30.8	46.1	38.8	39
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	1.03	2.86	1.95	ND	2.3	1.8	ND	3.43	ND	1.75	1.88	1.26	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	2.39	1.18	3.94	ND	3.9	ND	ND	5.16	2.22	2.61	3.11	2.61	3.05	2.43	2.39
	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	**13.3**	**5.27**	**13.40**	ND	**11**	**12**	**14.4**	**25.4**	**17.9**	**12.6**	**13.1**	**10**	**15.6**	**11.9**	**10.2**
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	**6.07**	**2.39**	**11.70**	ND	**17**	**9**	**12.5**	**26.6**	**14.4**	**15.2**	**19.2**	**17.1**	**23.5**	**18.2**	**18.1**
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	1.6	1.12	ND	ND	1.4	ND	ND	1.14	1.27	1.55	1.3	1.62	1.37	ND
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<5	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	ND	0.53	ND	ND	ND	ND	ND	ND	ND	ND	8	ND	<5	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	3.43	2.27	1.7	1.51	ND	ND	2.6	ND	ND	2.14	2.14	2.22	2.36	2.74	2.38	1.88
	Chloroethane	ND	ND	0.05	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.54	1.38	1.13	0.65	ND	ND	ND	ND	ND	1.26	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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-butene	NT	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	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

ND: Not Detected
NT: Not Tested
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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
OB105	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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	3.38	0.72	3.32	ND	ND	3.9	4.51	7.03	ND	3.66	4.22	1.78	2.37	3.05	1.88
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	1.27	ND	31.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	0.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	0.55	ND	ND	ND	ND	1.24	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	0.89	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	11.1	0.97	ND	ND	ND	14	15	24.6	ND	11.4	11.6	3.17	5.54	7.11	6.64
	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	0.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	1.25	ND	1.38	ND	2.1	1.4	ND	2.96	ND	1.47	1.46	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	1.51	ND	**3.03**	ND	ND	ND	ND	1.66	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

ND: Not Detected
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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	31.01	33.4	20.4	15.10	ND	ND	21	22.4	22.1	21.2	21.6	19.4	18.8	18.1	17.9	15.6
	1,1-Dichloroethene	0.89	1.03	0.45	0.93	**25**	**30**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	1.75	1.51	3.9	ND	3	ND	2.69	1.41	NT	3	2.86	2.89	3.11	2.85
	1,2-Dichloroethane	4.66	4.72	ND	3.94	2.8	ND	ND	ND	3.66	3.57	3.64	3.78	3.07	3.42	3.16	2.91
	1,2-Dichloropropane	**8.28**	**8.15**	4.9	**6.10**	**5.1**	**7.2**	**6.3**	ND	**6.13**	**6.5**	**6.26**	**6.11**	**5.57**	**5.53**	**5.67**	4.83
	1,4-Dichlorobenzene	ND	14.6	9.13	9.85	ND	ND	17	14.8	14.9	13.7	16.9	17.5	16.8	16.3	18.6	18
	2-Butanone	NT	ND	ND	0.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	ND	24.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	**9.56**	**9.37**	4.32	**8.29**	**5.2**	**12**	**6.9**	ND	**6.02**	**6.17**	**5.72**	4.88	4.78	4.32	4.13	3.6
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	52.75	50	28.3	34.30	52	ND	41	34.5	34.6	31	33.4	32.2	30.2	30.3	30.8	27.8
	Chloroethane	ND	ND	ND	0.57	ND	17	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	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	**190.55**	**184**	**123**	**73.60**	ND	ND	**160**	**94.8**	64.16	**135.88**	**131**	**90.5**	**103.4**	**79**	**107**	**95.8**
	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	**28.72**	**30.6**	7.21	**24.20**	**16**	**18**	**12**	**13**	**12.3**	**12**	**10.6**	**9.6**	**8.58**	**8.71**	**8.56**	7.51
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	6.41	2.67	ND	1.65	5.6	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	**67.92**	**43.9**	**35.6**	**19.60**	**26**	**44**	**47**	**40.1**	**36.9**	**32.2**	**32.3**	**27.1**	**24**	**21.7**	**21.3**	**16.8**
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	7.15	6.37	3.19	2.78	4.9	3.3	4.6	ND	4.31	4.94	4.41	4	3.58	3.79	3.95	3.3
	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	**53.74**	**51.5**	**31.2**	**33.90**	**28**	**37**	**39**	**34.2**	**32.6**	**34.6**	**29.6**	**27.6**	**25.5**	**26.3**	**22.9**	**18.8**
	Trichlorofluoromethane	4.58	3.98	1.61	3.78	6.8	ND	3.3	ND	2.47	2.04	2.33	2.09	2	1.6	1.61	1.33
	Vinyl Acetate	NT	NT	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**15.64**	**20.3**	**7.43**	**20.90**	**14**	ND	**13**	**14.1**	**13.9**	**14**	**14.6**	**15.7**	**15.4**	**14.6**	**14.5**	**13.5**
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	23.08	27.8	16.8	16.40	ND	ND	15	15.8	15.2	16.4	13.1	15.3	15.9	15.1	16.7	14.4
	1,1-Dichloroethene	ND	ND	ND	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	**1.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	NT	1.67	1.10	2.8	ND	2.1	ND	1.87	2.05	NT	2.21	2.19	2.05	2.7	2.45
	1,2-Dichloroethane	3.6	ND	2.7	1.88	ND	ND	ND	ND	2.48	3.56	2.09	2.41	2.5	2.68	2.66	2.41
	1,2-Dichloropropane	**6.44**	**7.2**	4.18	4.06	3.7	ND	4.6	ND	4.08	3.75	3.9	4.39	4.48	4.7	**5.1**	4.46
	1,4-Dichlorobenzene	ND	15.2	13.4	9.32	ND	ND	15	13.7	13.8	15	13.5	16.3	15.2	12.2	18	17
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	0.12	22.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	**6.67**	**7.51**	4.19	3.59	3.5	ND	4.3	ND	3.73	4.13	2.94	3.07	2.93	2.47	2.59	2.31
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	33.51	36.9	21.3	20.60	29	ND	24	22.3	20.5	21.1	17.6	23	21.4	20.2	25.2	23.3
	Chloroethane	ND	ND	0.39	0.89	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	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	**148.44**	**168**	**113**	**81.60**	**76**	ND	**100**	**89**	**78.6**	**96.5**	68.5	**74**	**75.8**	**74.2**	**74.8**	68.1
	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	2.72	1.77	2.4	**5.45**	1.8	ND	**5.9**	ND	ND	1.11	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	5.76	2.49	ND	2.00	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	**44.75**	**33.8**	**26.3**	**10.70**	**14**	ND	**27**	**22.8**	**19.1**	**19.7**	**12.8**	**13.2**	**10.3**	**6.78**	**8.6**	**6.69**
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	5.07	5.45	3.07	3.18	ND	ND	3.1	ND	3.02	3.91	2.68	3.14	2.94	2.93	3.44	3.06
	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	**39.05**	**42.4**	**26.1**	**21.60**	**17**	ND	**28**	**24.7**	**24**	**28.8**	**20.1**	**22**	**21.5**	**18.6**	**20.9**	**15.8**
	Trichlorofluoromethane	2.09	2.14	1.26	2.53	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**13.43**	**15.4**	**10.2**	**31.60**	**11**	ND	**12**	**13.1**	**12.9**	**14.9**	**11.1**	**15**	**14.7**	**14**	**15.9**	**14.8**
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
OB12	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	10.97	22.7	10.6	39.20	23	ND	21	18.3	22.6	15.1	21.4	21	20.2	18.6	21.2	16.7
	1,1-Dichloroethene	ND	ND	ND	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	0.63	1.17	ND	ND	ND	ND	1.07	ND	1.07	1.55	1.07	1.78	1.4	1.49
	1,2-Dichloropropane	3.62	**5.55**	2.93	**6.29**	3.3	ND	**5.8**	**9.71**	**6.48**	**8.07**	**7.09**	**8.23**	**7.65**	**11.6**	**9.68**	**10.1**
	1,4-Dichlorobenzene	ND	4.18	2.83	4.51	ND	ND	5.4	6.4	6.13	4.3	7.28	8.46	6.36	10	9.23	8.06
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	0.59	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	1.82	2.63	1.89	3.46	2.2	ND	3.5	ND	3.61	3.27	3.82	3.95	3.73	4.41	4.23	3.95
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	1.21	0.92	1.46	ND	ND	2.1	ND	2.27	1.23	2.69	2.82	2.65	3.38	3.4	3.02
	Chloroethane	2.61	1.39	0.87	1.64	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	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	26.86	21.4	12.4	26.20	14	ND	23	32.1	22.5	30.6	24.9	31.3	24.5	43.2	31.6	38.4
	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	ND	ND
	Dichloromethane	4.91	**8.27**	**11.3**	**8.19**	**10**	ND	ND	**5.01**	**7.93**	ND	**6.3**	4.44	**5.34**	4.73	**5.34**	3.84
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	0.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	**7.95**	**15.4**	**20**	**17.10**	**12**	1.8	**22**	**26.5**	**22.3**	**14.4**	**20.8**	**18.5**	**15.6**	**26.2**	**20.7**	**17.8**
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	1.23	1.91	1.62	2.44	1.8	ND	2.5	ND	2.55	2.09	2.81	2.91	2.5	2.65	3.13	2.51
	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	**6.22**	**18.1**	**11.6**	**20.30**	**9.4**	ND	**17**	**24.9**	**16.7**	**16**	**16.7**	**18.3**	**15**	**28.9**	**19.7**	**20.3**
	Trichlorofluoromethane	ND	2.42	1.8	3.80	4.5	ND	2.2	ND	2.17	1.74	1.87	2.21	1.47	2.47	1.92	2.09
	Vinyl Acetate	NT	NT	0.01	ND	6.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**6.99**	**6.3**	**7.32**	**6.22**	ND	ND	**6.4**	ND	**6.64**	**2.95**	**5.7**	**5.66**	**5.76**	**3.84**	**6.39**	**3.88**
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
OB15	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	4.04	4.62	1.08	12.00	2.3	ND	3.1	ND	1.56	3.73	ND	1.59	ND	1	ND	1.64
	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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	0.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	0.05	0.98	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.17	1.51	1.18	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.02
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	0.48	0.54	ND	ND	1.1	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	0.39	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	2.31	1.23	1.1	ND	2.2	ND	1.18	2.11	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	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**2.78**	**3.92**	**3.55**	**10.20**	ND	ND	1.9	ND	ND	1.87	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
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	1.13	0.63	1.11	ND	ND	ND	ND	ND	2.16	ND	1.04	ND	ND	1.42	1.77
	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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	ND	ND	**143**	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	3.16	0.71	3.80	ND	ND	3.7	3.3	ND	6.84	ND	3.36	ND	1.15	1.49	1.37
	2-Butanone	NT	ND	0.45	0.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.99
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	2.11	ND	ND	ND	ND	ND	1.43	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	1.93	0.47	4.50	ND	ND	ND	ND	ND	7.75	ND	3.13	ND	2.15	1.56	1.64
	Chloroethane	ND	ND	0.17	0.69	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	4.12	7.5	4.52	6.82	ND	ND	4.9	9.55	ND	19.5	ND	7.38	3.14	7.14	9.22	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	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	0.86	ND	ND	3.8	ND	1.4	3.92	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	1.66	0.81	2.24	ND	ND	2.1	ND	ND	ND	ND	ND	ND	2.07	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	**2.61**	0.38	**4.04**	ND	ND	ND	ND	ND	**3.47**	ND	**2.21**	ND	**2.78**	1.43	**3.79**
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
ST15	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	3.65	ND	ND	ND	ND	ND	NS	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	NS	ND	ND
	1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	1,2-Dichlorobenzene	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	NS	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	1,4-Dichlorobenzene	ND	ND	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	2-Butanone	NT	ND	ND	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Acetone	NT	ND	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	NS	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Carbon disulfide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	cis-1,2-Dichloroethene	ND	ND	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Methyl Iodide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	NS	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	trans-1,4-Dichloro-2-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Trichloroethene	2.2	ND	1.38	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	NS	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Vinyl Acetate	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NS	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
ST120	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	ND	ND	ND	0.87	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.15	1.54	0.57	1.26	ND	ND	ND	ND	1.3	2.26	ND	1.33	ND	1.13	ND	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	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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	1.10	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-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	0.27	0.90	ND	ND	ND	ND	ND	1.01	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
ST65	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	1,1-Dichloroethane	1.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	NS	ND	NS
	1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	1,2-Dichlorobenzene	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	NS	ND	NS
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	1,2-Dichloropropane	1.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	1,4-Dichlorobenzene	ND	ND	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Acetone	NT	1.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.15	NS	5.88	NS
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	NS	ND	NS
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Bromomethane	ND	ND	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Carbon disulfide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Chloromethane	ND	ND	ND	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	cis-1,2-Dichloroethene	9.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Methyl Iodide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	NS	ND	NS
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Toluene	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	NS	ND	NS
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	trans-1,4-Dichloro-2-butene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Trichloroethene	7.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Vinyl Acetate	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Vinyl Chloride	1.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
	Xylene (Total)	NT	NT	NT	NT	ND	ND	3.6	NT	NT	ND	NT	NT	NT	NS	NT	NS

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
ST70	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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	1.61	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	7.27	1.19	4.27	1.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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-butene	NT	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	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	2.2	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
ST80	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	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	NT	ND	0.69	1.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	NT	NT	NT	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-butene	NT	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	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	ND	ND	1.6	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW1B	1,1,1,2-Tetrachloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				NT	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				NT	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND
	Acrylonitrile				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW2A	1,1,1,2-Tetrachloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				NT	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				NT	ND	ND	ND	ND	40.8	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene				NT	4	2.5	2.2	3.3	ND	2.45	3.84	2.02	1.85	2.02	2.79	2.04
	Toluene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene				NT	ND	ND	ND	ND	ND	ND	1.51	ND	ND	ND	ND	ND
	Trichlorofluoromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW2B	1,1,1,2-Tetrachloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				NT	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene				NT	1.9	3	3.2	3.27	ND	2.57	3.93	2.32	2.18	2.28	2.51	1.28
	Toluene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

ND: Not Detected
NT: Not Tested
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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW3A	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				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
	Carbon Tetrachloride				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
	Chloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform				1.46	1.5	1.6	1.8	ND	1.15	1.64	2.5	2.19	1.44	1.28	ND	1.14
	Chloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				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
	Toluene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				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
	Trichlorofluoromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW3B	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.17	ND
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				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
	Carbon Tetrachloride				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
	Chloroethane				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
	Chloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				1.11	ND	ND	ND	ND	ND	ND	ND	ND	1.02	ND	ND	ND
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				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
	Toluene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				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
	Trichlorofluoromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	ND	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW04	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				ND	9.3	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
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				ND	9.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				ND	1.1	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene				ND	5.6	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
	Chloroform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane				ND	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				ND	13	ND	ND	ND	ND	1.7	ND	ND	1.25	ND	1.18	1.04
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.07	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene				ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				ND	1.7	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
	trans-1,4-Dichloro-2-butene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene				ND	**5.6**	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane				ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				ND	ND	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW06	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				6.86	ND	ND	3.3	ND	2.79	ND	2.03	1.68	1.24	1.15	1	ND
	1,1-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				1.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				2.37	ND	ND	ND	ND	1.15	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				6.64	ND	ND	ND	6.24	4.53	3.99	4.99	4.42	3.27	3.92	4.43	1.34
	2-Butanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.6	8.84
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				0.74	ND	ND	6.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene				5.77	7.1	6.1	ND	6.56	5.03	4.03	4.94	6.19	5.17	7.9	8.02	3.75
	Chloroethane				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
	Chloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				33.20	ND	ND	23	18.1	15.3	15.6	11.2	11.4	11.2	12.9	13.4	7.86
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				5.16	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				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
	Toluene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				2.63	ND	2.2	1.2	ND	1.01	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene				1.19	ND	ND	ND	ND	ND	1.26	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				ND	ND	ND	2	ND	1.65	ND	ND	1.62	1.38	1.42	1.41	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

ND: Not Detected
NT: Not Tested
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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW07	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.37	ND
	1,1-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				ND	ND	ND	ND	ND	1.69	ND	7.54	10.6	1.22	3.39	18.2	2.94
	2-Butanone				0.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				4.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.4	ND
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	1.29	ND
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide				2.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene				ND	ND	ND	ND	ND	ND	ND	ND	3.35	ND	ND	4.31	ND
	Chloroethane				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
	Chloromethane				0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				ND	ND	ND	ND	5.12	3.38	3.45	6.65	5.18	2.05	1.54	8.4	7.77
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	1.79	ND
	Ethylbenzene				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
	Methyl Tertiary Butyl Ether				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene				0.54	ND	3	3.2	3.56	**5.26**	4.39	4.64	1.97	3.79	2.22	2.34	1.02
	Toluene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene				0.52	**11**	3	1.3	3.58	2.21	2.62	2.37	ND	1.37	ND	2.17	ND
	Trichlorofluoromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				ND	ND	ND	ND	ND	ND	ND	ND	1.09	ND	ND	1.25	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

ND: Not Detected
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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW08	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				ND	ND	ND	ND	4.03	1.45	ND	ND	ND	ND	ND	ND	ND
	2-Butanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				1.41	8.6	ND	ND	ND	ND	ND	ND	ND	10.2	ND	ND	ND
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide				ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene				0.51	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
	Chloroform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane				1.98	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				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
	Toluene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene				ND	ND	2.8	ND	**5.37**	1.24	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT

ND: Not Detected
NT: Not Tested
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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW09	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				ND	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride				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
	Chloroethane				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
	Chloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene				**8.72**	5	**16**	**14**	**13.6**	**16.4**	**12.9**	**16.5**	**16.9**	**5.1**	**17.1**	**9.16**	**9.71**
	Toluene				ND	3	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
	trans-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene				0.73	ND	ND	ND	ND	1.11	ND	ND	1.78	ND	2.03	1.04	1.17
	Trichlorofluoromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)				NT	1.3	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW10	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				ND	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				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
	Carbon Tetrachloride				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
	Chloroethane				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
	Chloromethane				ND	5.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				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
	Toluene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				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
	Trichlorofluoromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW11A	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	ND	1.01	ND	ND	ND	ND
	2-Butanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				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
	Carbon Tetrachloride				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
	Chloroethane				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
	Chloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene				ND	ND	ND	ND	ND	ND	ND	ND	1.36	ND	ND	ND	ND
	Toluene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				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
	Trichlorofluoromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW11B	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				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
	Carbon Tetrachloride				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
	Chloroethane				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
	Chloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.15	1.44	1.4
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene				0.97	ND	ND	2.1	ND	2.74	2.42	3.01	3.83	3.05	3.33	4.58	3.24
	Toluene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.17	1.43	1.13
	Trichlorofluoromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW12	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				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
	Carbon Tetrachloride				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
	Chloroethane				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
	Chloromethane				ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				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
	Toluene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				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
	Trichlorofluoromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW13A	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				17.90	25	ND	16	15.6	19	19.9	15.8	13.7	16.3	13	15.4	13.4
	1,1-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				1.86	ND	ND	ND	ND	2.35	1.74	2.06	ND	2.23	2.06	2.19	1.95
	1,2-Dichloropropane				4.80	**6.6**	4.4	**5.4**	**5.64**	**6.94**	3.08	**6**	**6.22**	**6.06**	**5.41**	**6.43**	**5.56**
	1,4-Dichlorobenzene				3.54	ND	ND	5.9	5.12	5.77	6.46	6.13	5.2	5.25	3.68	5.69	5.19
	2-Butanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				0.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				3.31	4.4	3.7	2.9	ND	3.24	3.57	2.64	2.28	2.27	1.71	2.09	1.88
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene				1.01	ND	ND	ND	ND	1.64	1	1.81	1.66	1.57	1.28	1.58	1.46
	Chloroethane				0.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.17	1.57	1.37
	Chloromethane				0.96	6.4	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				**76.70**	**96**	ND	**97**	**79.8**	**105**	**120**	**94.2**	**81.6**	**95.9**	**81.5**	**95.8**	**86.7**
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				**8.07**	**10**	**9.2**	3.2	**6.02**	**6.49**	4.04	4.88	3.59	4.36	3.63	3.95	3.48
	Ethylbenzene				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
	Methyl Tertiary Butyl Ether				0.61	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene				**22.20**	**17**	**25**	**28**	**25.7**	**27.8**	**24.2**	**21.7**	**18**	**17.2**	**11.9**	**18.8**	**15.3**
	Toluene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				3.26	7.3	6.2	3.5	ND	4	4.76	3.31	3.14	3.63	2.57	3.38	2.95
	trans-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene				**26.90**	**23**	**28**	**32**	**30.2**	**33.9**	**37.1**	**28.3**	**28.9**	**25.1**	**21.8**	**27**	**22.8**
	Trichlorofluoromethane				1.50	3.8	4.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				**11.10**	**14**	**18**	**8.6**	**8.58**	**10.1**	**9.83**	**8.14**	**6.74**	**7.91**	**6**	**7.67**	**6.66**
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2009-S	2009-F	2010-S	2010-F	2011-S	2011-F	2012-S	2012-F	2013-S	2013-F	2014-S	2014-F	2015-S	2015-F	2016-S	2016-F
MW13B	1,1,1,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane				17.80	ND	ND	15	13.9	17.2	16.6	13.8	14	12.8	12	13.3	10.7
	1,1-Dichloroethene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane				ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene				0.54	ND	ND	ND	ND	ND	1.09	NT	ND	ND	ND	ND	ND
	1,2-Dichloroethane				3.11	ND	4.6	ND	ND	2.87	2.52	2.5	2.64	2.35	2.19	2.32	1.94
	1,2-Dichloropropane				**6.54**	ND	**7.4**	**7.5**	**7.73**	**8.01**	**7.87**	**6.96**	**5.44**	**6.23**	**6.03**	**6.58**	**5.53**
	1,4-Dichlorobenzene				8.86	ND	ND	11	9.67	10.2	11.5	9.56	8.49	8.23	7.91	8.87	7.86
	2-Butanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone				0.87	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene				**5.56**	ND	**6.3**	4.6	ND	4.56	4.17	3.61	3.28	3.18	2.96	3.11	2.58
	Bromochloromethane				ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND
	Bromodichloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene				1.63	ND	ND	ND	ND	2.03	2.29	1.98	1.67	1.81	1.75	1.92	1.62
	Chloroethane				1.14	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
	Chloromethane				0.76	4.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene				**101.00**	3.9	ND	**110**	**82**	**102**	**109**	**83.5**	**79.5**	**79.6**	**73.5**	**78.4**	67.5
	cis-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane				**8.50**	ND	**11**	4.2	**5.95**	**7.2**	**6.55**	**5.62**	**5.53**	4.84	4.71	4.95	3.95
	Ethylbenzene				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
	Methyl Tertiary Butyl Ether				0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene				ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene				**22.70**	ND	**27**	**30**	**26.5**	**27**	**24.2**	**21.1**	**16.8**	**15.8**	**15.2**	**16.7**	**14.2**
	Toluene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene				4.45	ND	7.3	4.3	ND	4.22	4.18	3.31	3.6	3.03	2.89	3.18	2.57
	trans-1,3-Dichloropropene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene				**32.00**	ND	**28**	**32**	**27.6**	**29.5**	**34.5**	**22.9**	**20.2**	**19**	**20.7**	**19.9**	**16.6**
	Trichlorofluoromethane				1.71	ND	4.7	1.3	ND	1.27	ND	ND	1.09	ND	ND	ND	ND
	Vinyl Acetate				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride				**17.20**	ND	**25**	**12**	**9.83**	**11.4**	**9.96**	**8.49**	**10.8**	**8.03**	**7.37**	**8.09**	**6.51**
	Xylene (Total)				NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT

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

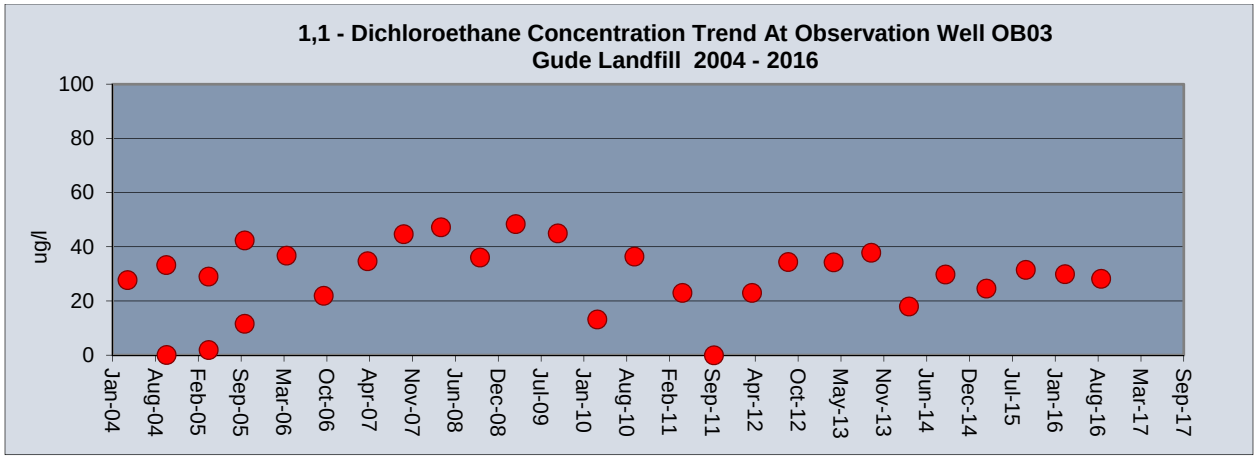
Appendix C

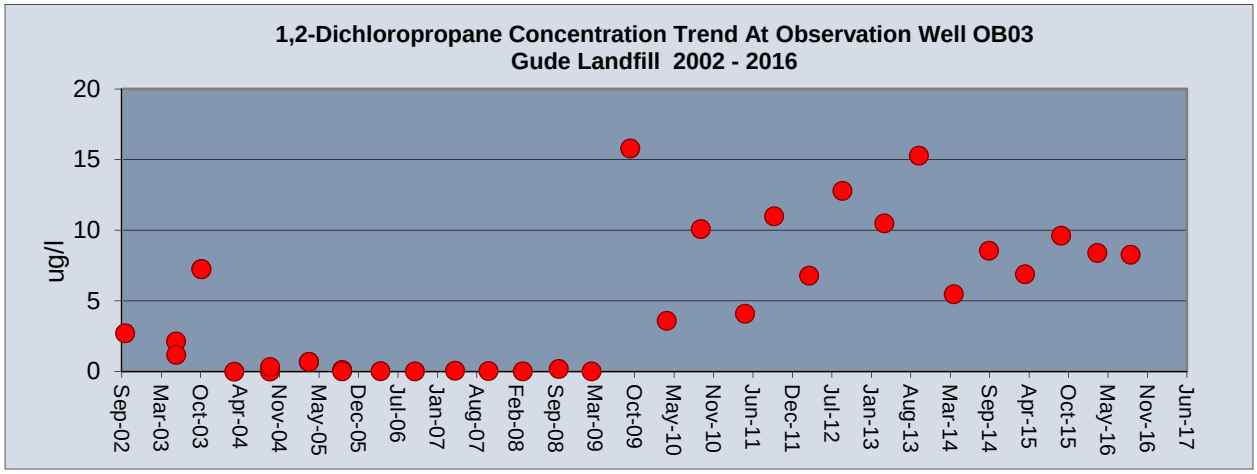
Volatile Organic Compounds

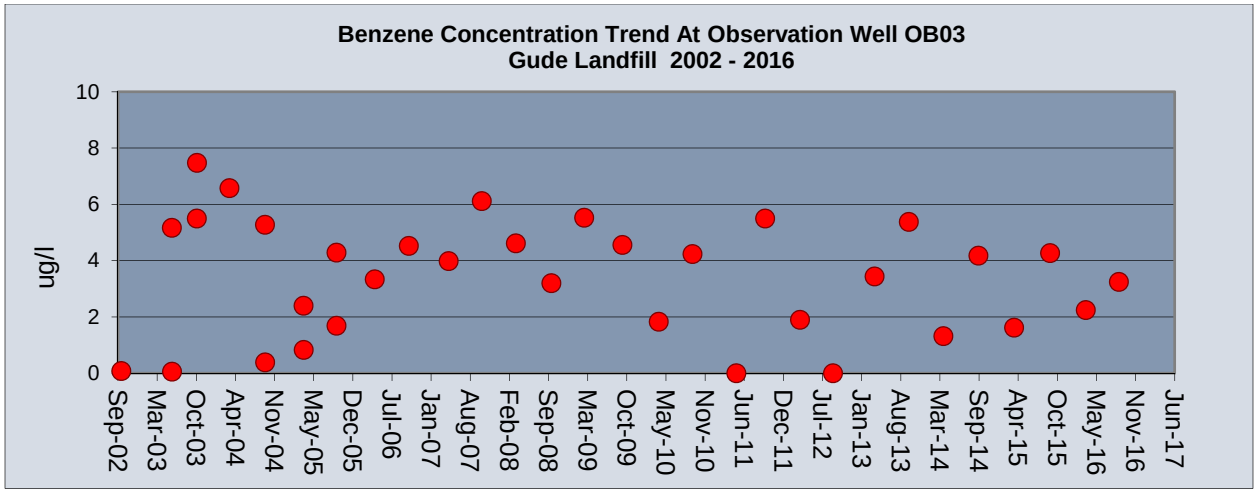
Graphical Depiction of Data

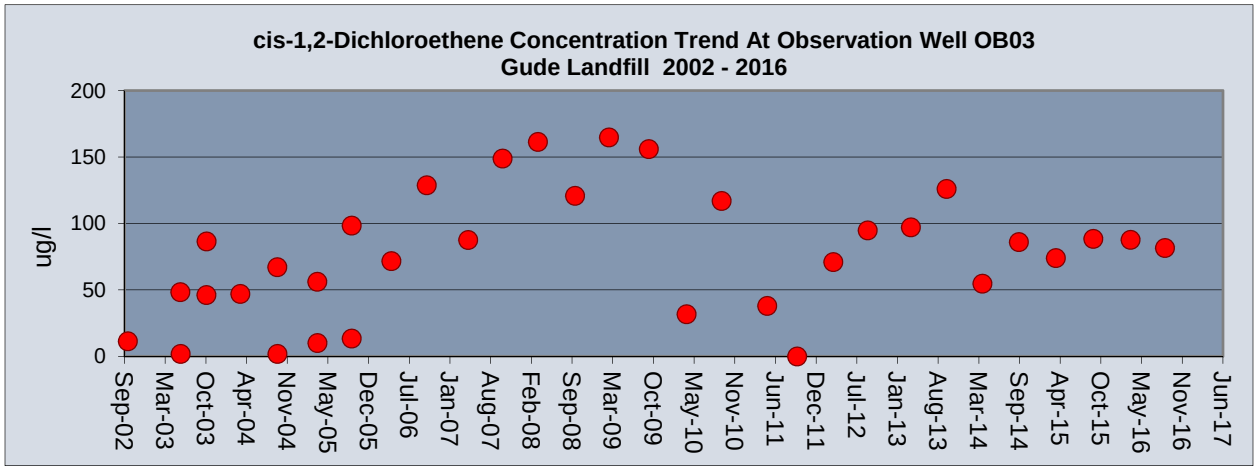
The following graphs provide Historical Trend Analysis for those VOC compounds that are consistently detected at specific monitoring locations. These historical trend analyses do not include the monitoring locations installed in 2010.

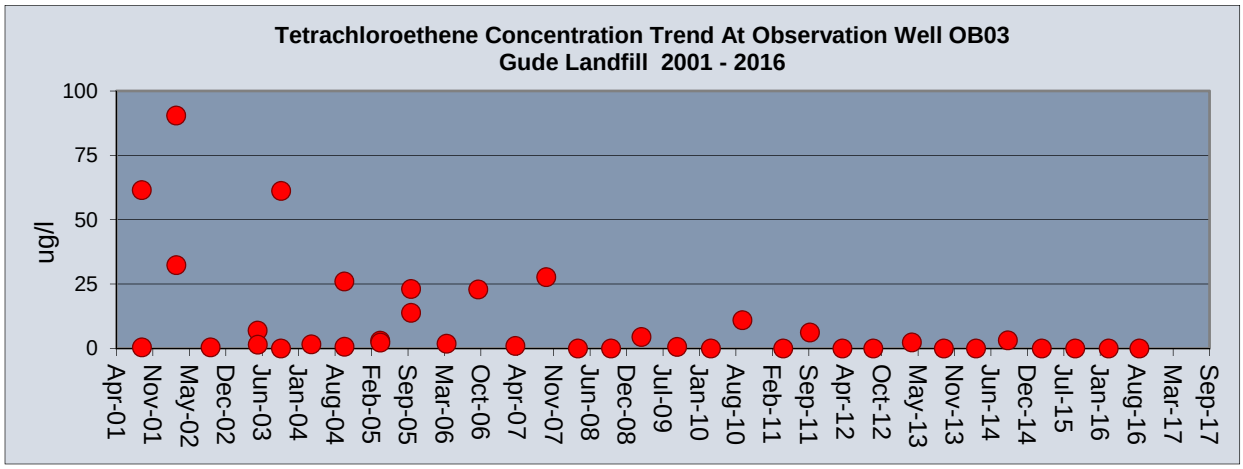
(Please refer to Tables 1 and 2 for additional information.)

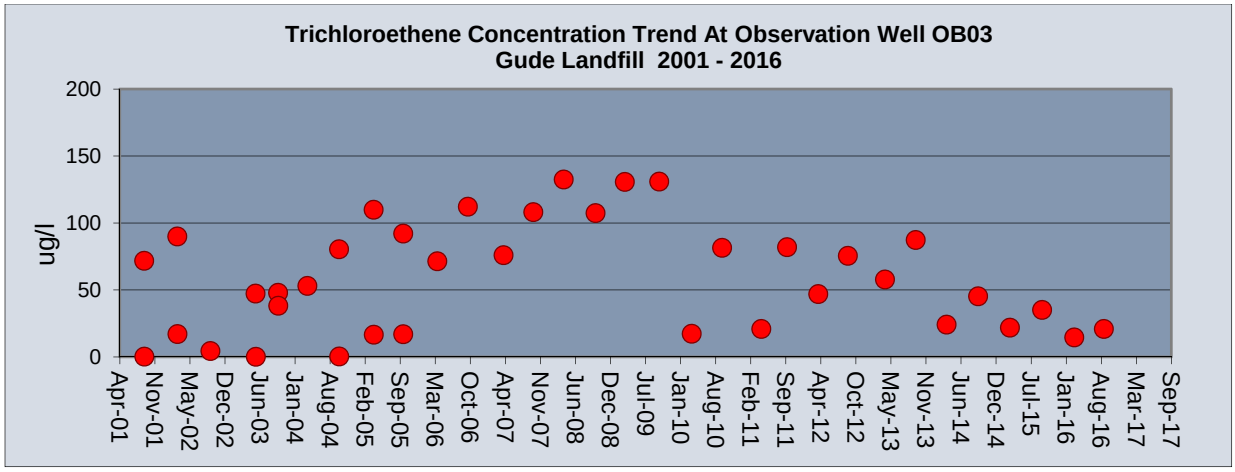


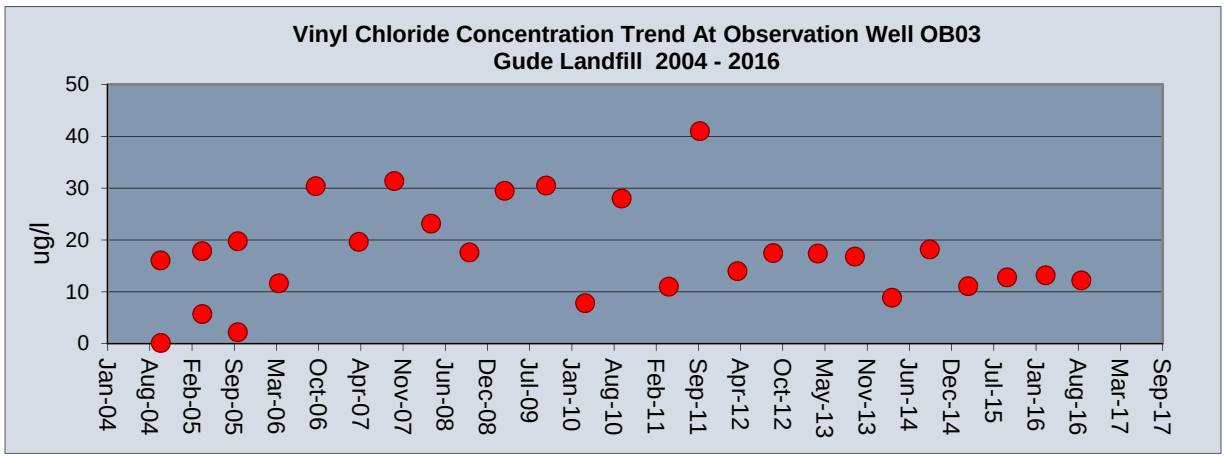


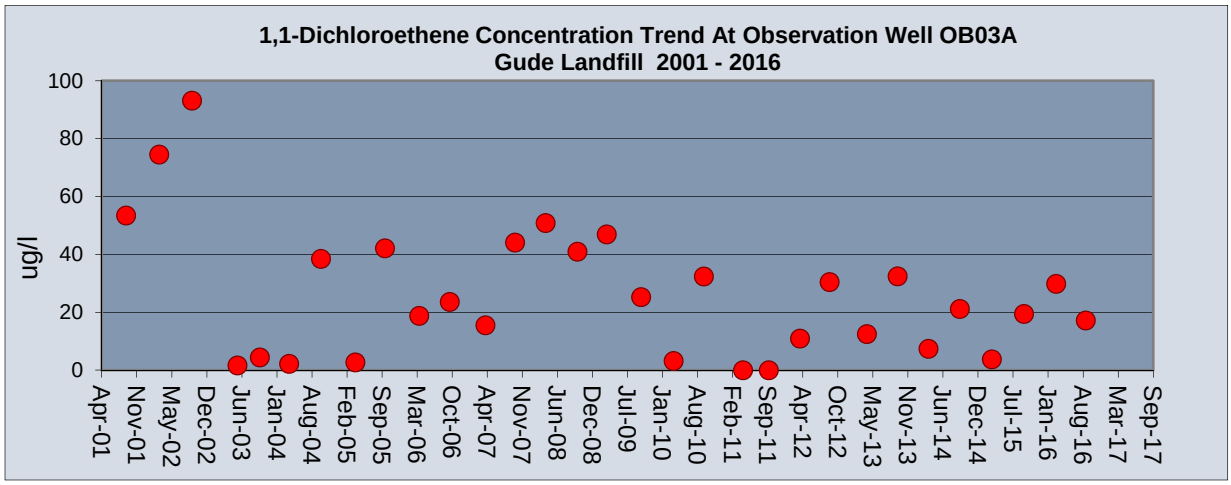

Benzene Concentration Trend At Observation Well OB03
Gude Landfill 2002 - 2016
ug/l
0
2
4
6
8
10
Sep-02
Mar-03
Oct-03
Apr-04
Nov-04
May-05
Dec-05
Jul-06
Jan-07
Aug-07
Feb-08
Sep-08
Mar-09
Oct-09
May-10
Nov-10
Jun-11
Dec-11
Jul-12
Jan-13
Aug-13
Mar-14
Sep-14
Apr-15
Oct-15
May-16
Nov-16
Jun-17

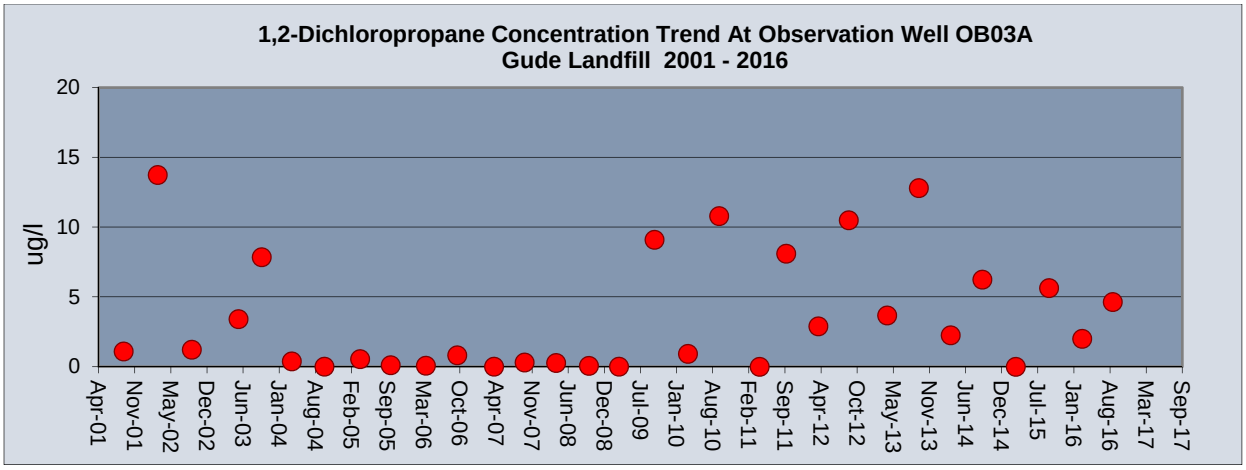

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2002 - 2016
ug/l
0
50
100
150
200
Sep-02
Mar-03
Oct-03
Apr-04
Nov-04
May-05
Dec-05
Jul-06
Jan-07
Aug-07
Feb-08
Sep-08
Mar-09
Oct-09
May-10
Nov-10
Jun-11
Dec-11
Jul-12
Jan-13
Aug-13
Mar-14
Sep-14
Apr-15
Oct-15
May-16
Nov-16
Jun-17


Tetrachloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2016
ug/l
0
25
50
75
100
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


Trichloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2016
ug/l
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


Vinyl Chloride Concentration Trend At Observation Well OB03
Gude Landfill 2004 - 2016
ug/l
50
40
30
20
10
0
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


1,1-Dichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2016
ug/l
100
80
60
40
20
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


1,2-Dichloropropane Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2016
ug/l
0
5
10
15
20
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
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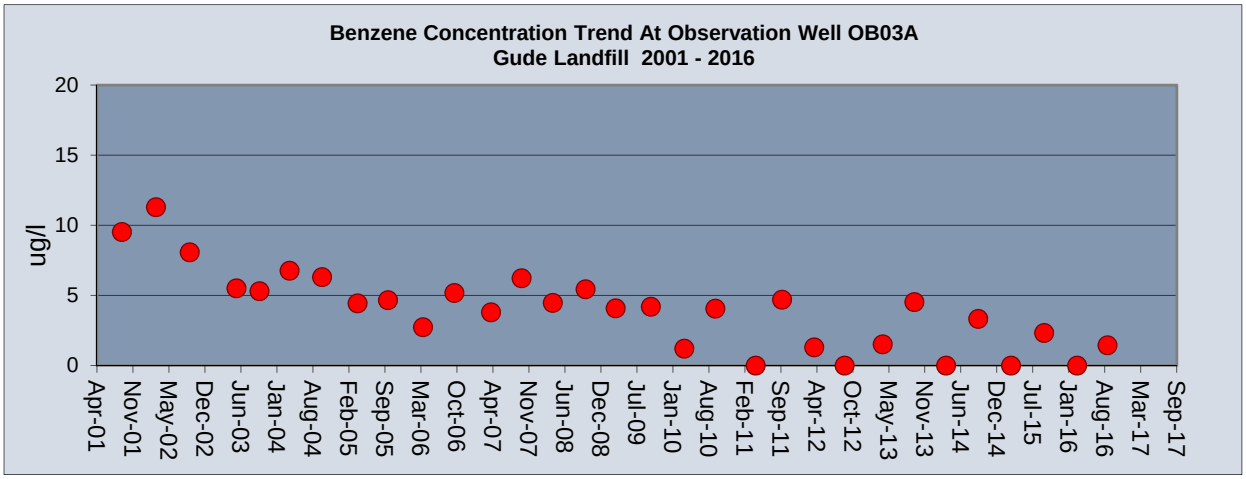
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


Benzene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2016
ug/l
0
5
10
15
20
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
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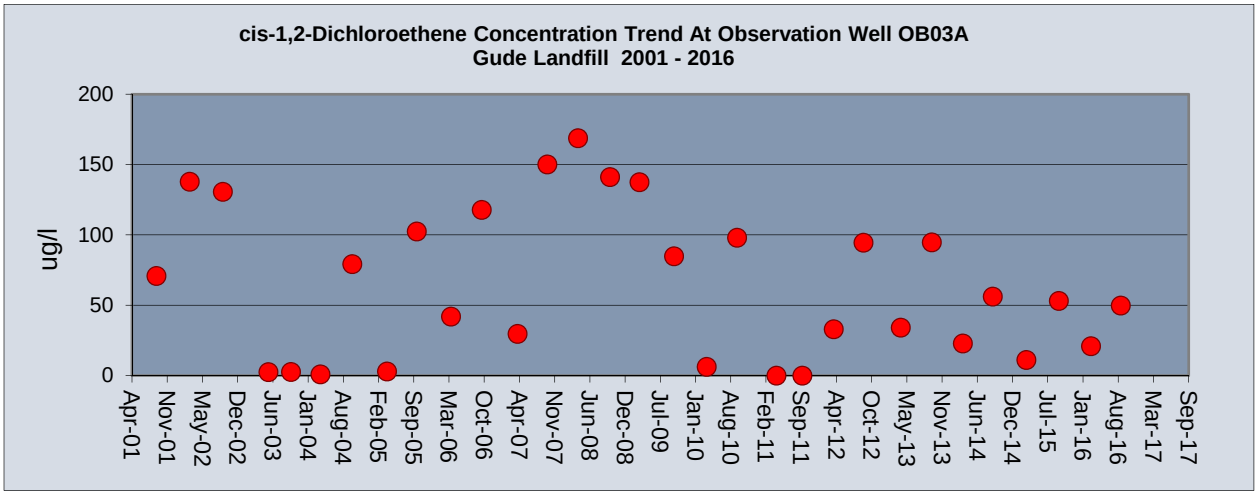
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


cis-1,2-Dichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2016
ug/l
0
50
100
150
200
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
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May-13
Nov-13
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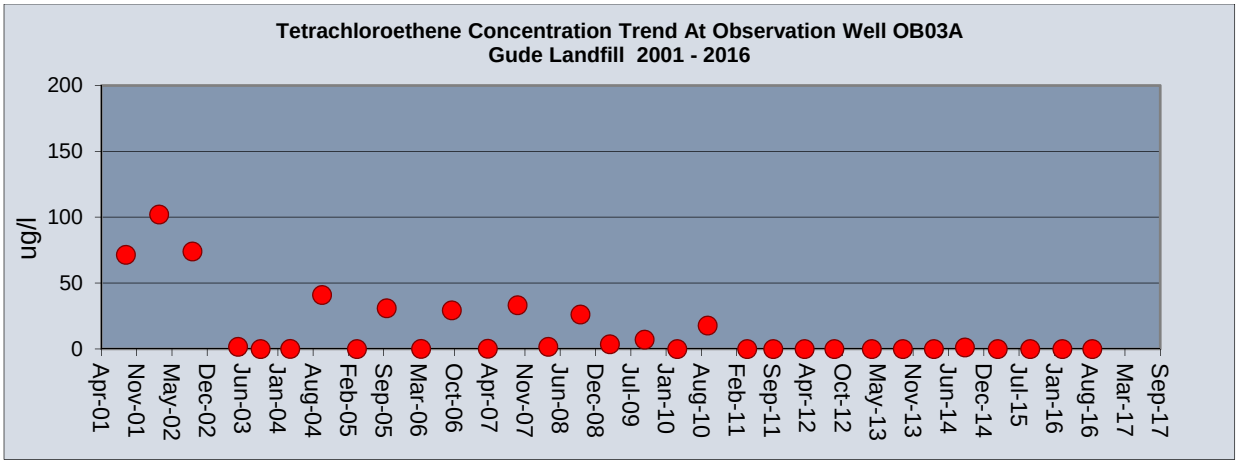
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


Tetrachloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2016
ug/l
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
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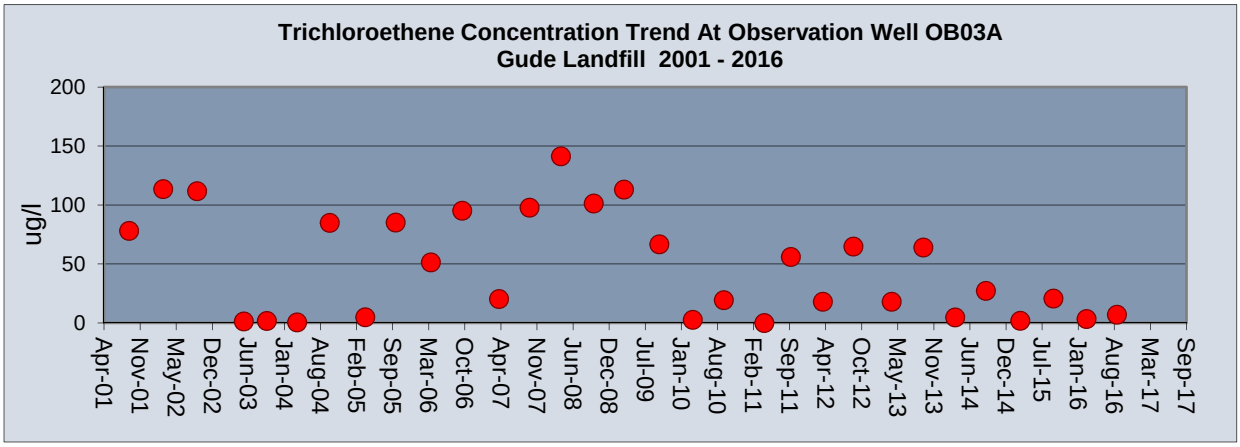
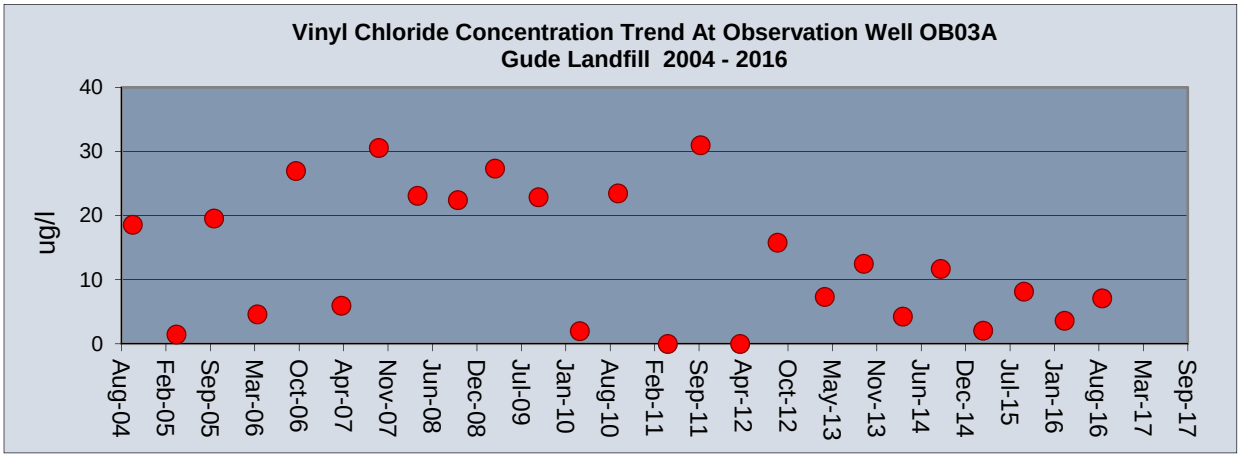
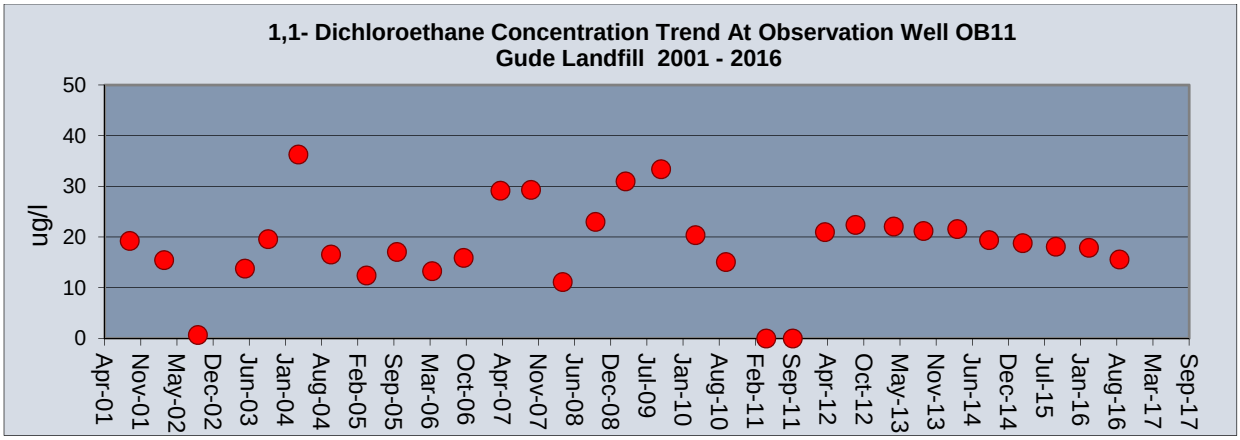
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


Trichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2016
ug/l
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


Vinyl Chloride Concentration Trend At Observation Well OB03A
Gude Landfill 2004 - 2016
ug/l
40
30
20
10
0
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


1,1- Dichloroethane Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2016
ug/l
50
40
30
20
10
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
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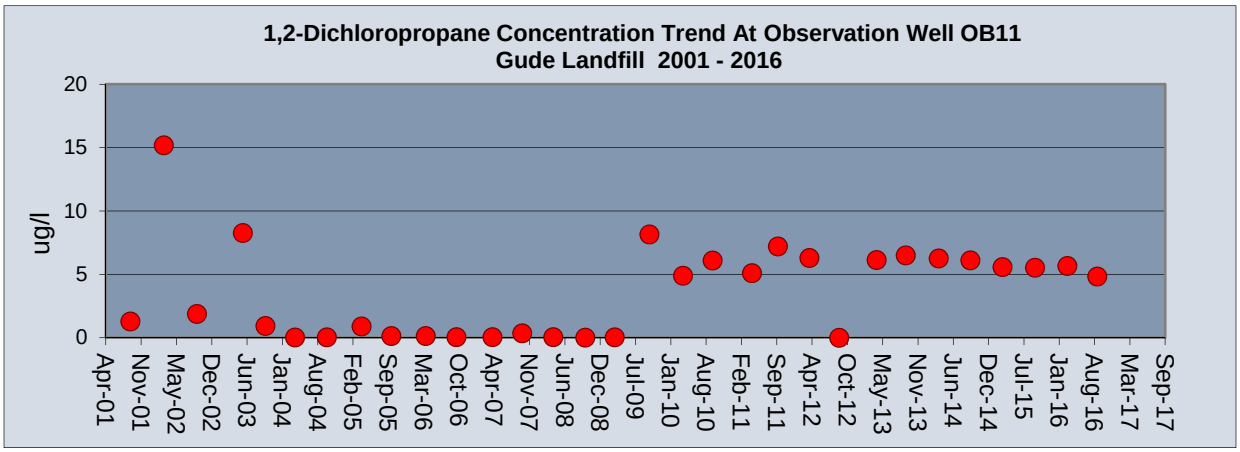
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


1,2-Dichloropropane Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2016
ug/l
20
15
10
5
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
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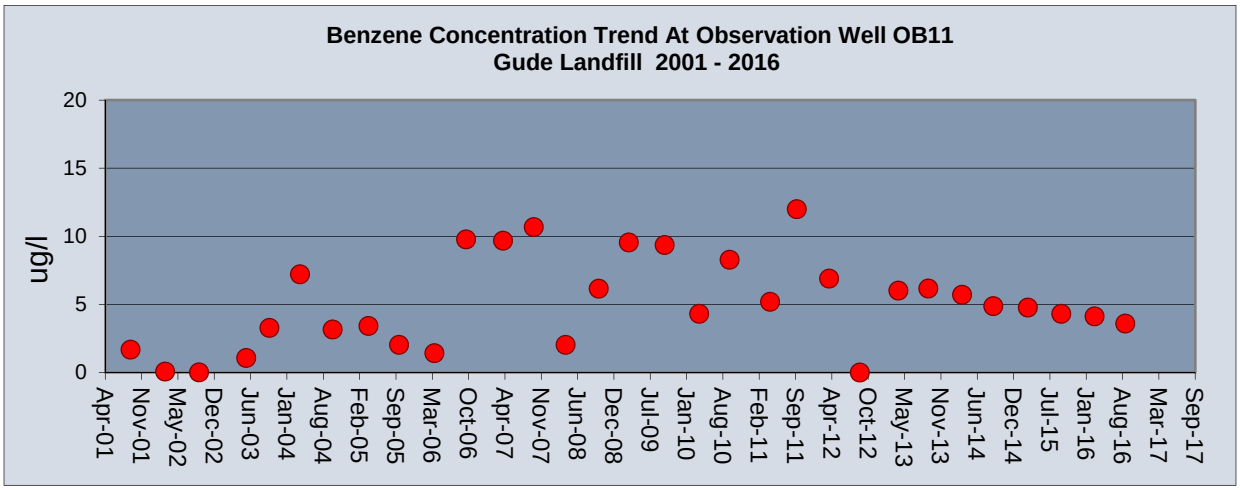
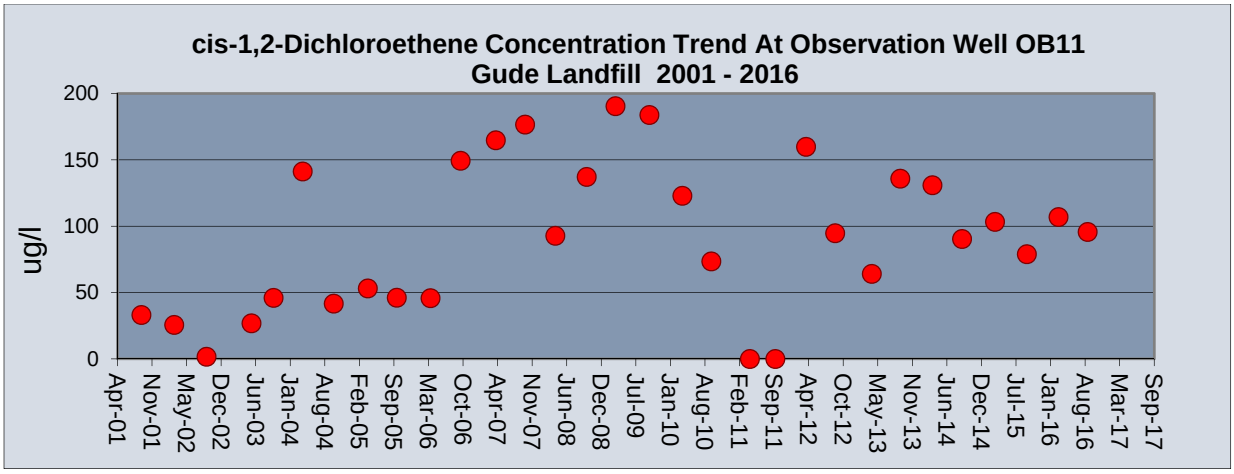
Aug-16
Mar-17
Sep-17


Benzene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2016
ug/l
20
15
10
5
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


cis-1,2-Dichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2016
ug/l
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
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May-13
Nov-13
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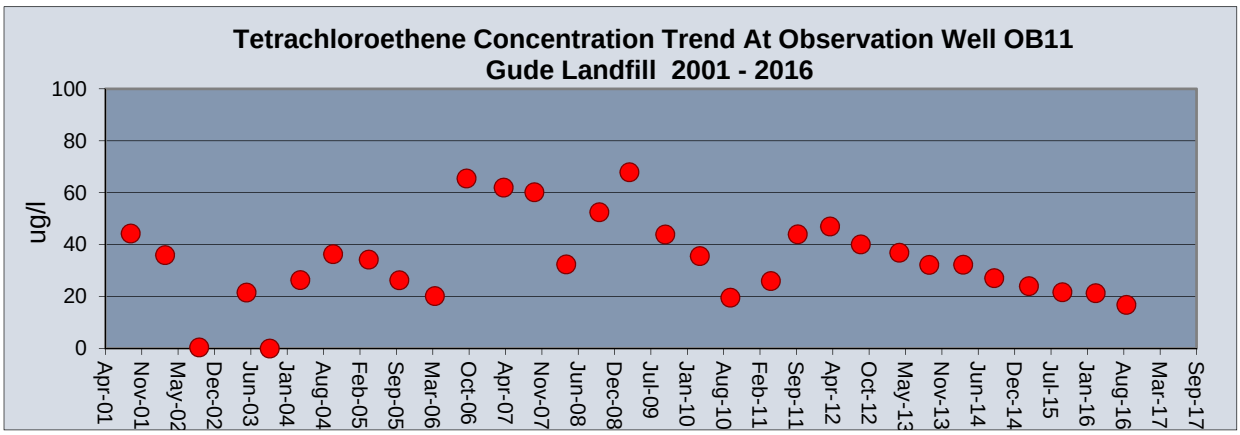
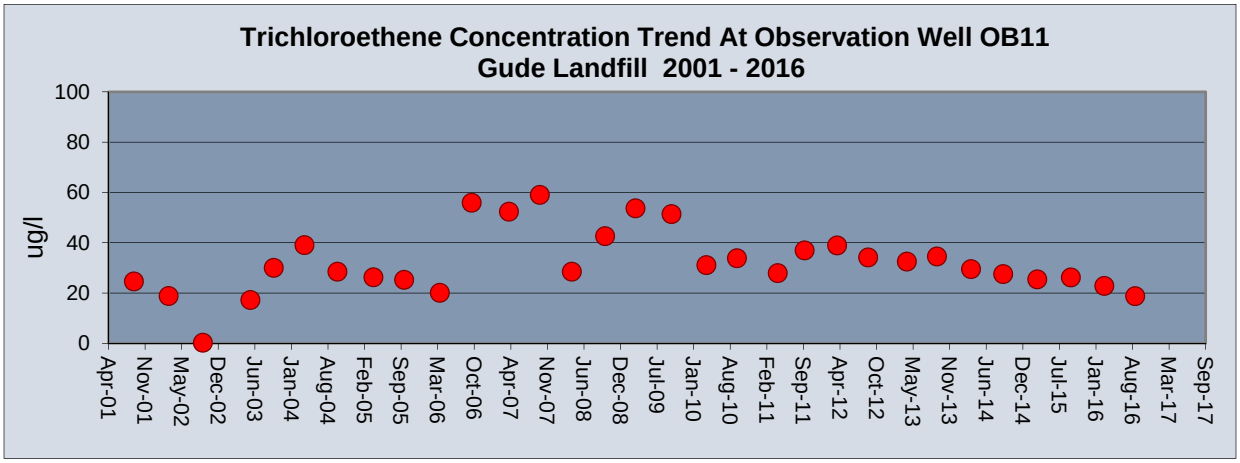
Jan-16
Aug-16
Mar-17
Sep-17


Tetrachloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2016
ug/l
100
80
60
40
20
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


Trichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2016
ug/l
100
80
60
40
20
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
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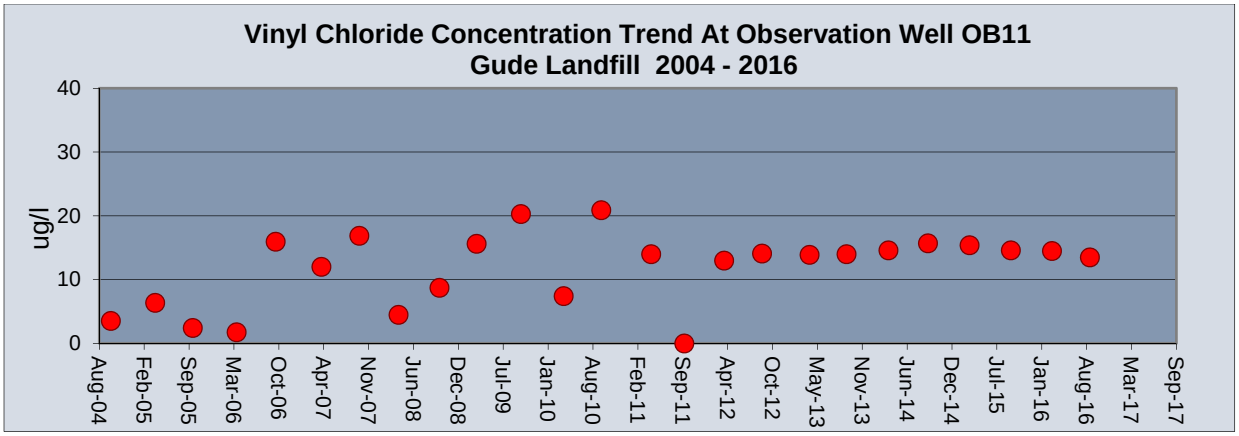
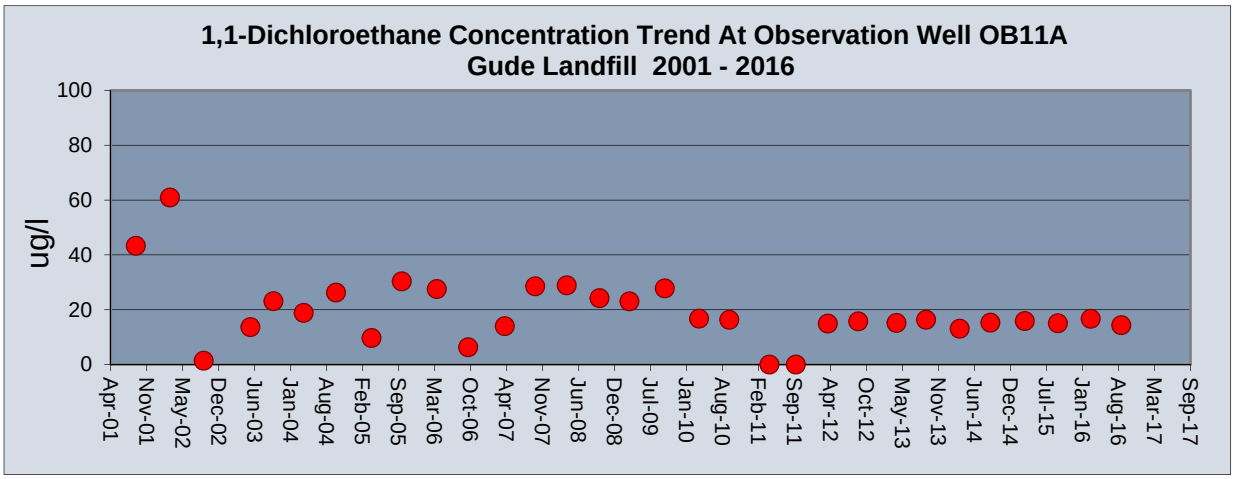
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


Vinyl Chloride Concentration Trend At Observation Well OB11
Gude Landfill 2004 - 2016
ug/l
40
30
20
10
0
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


1,1-Dichloroethane Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2016
ug/l
100
80
60
40
20
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
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Jun-14
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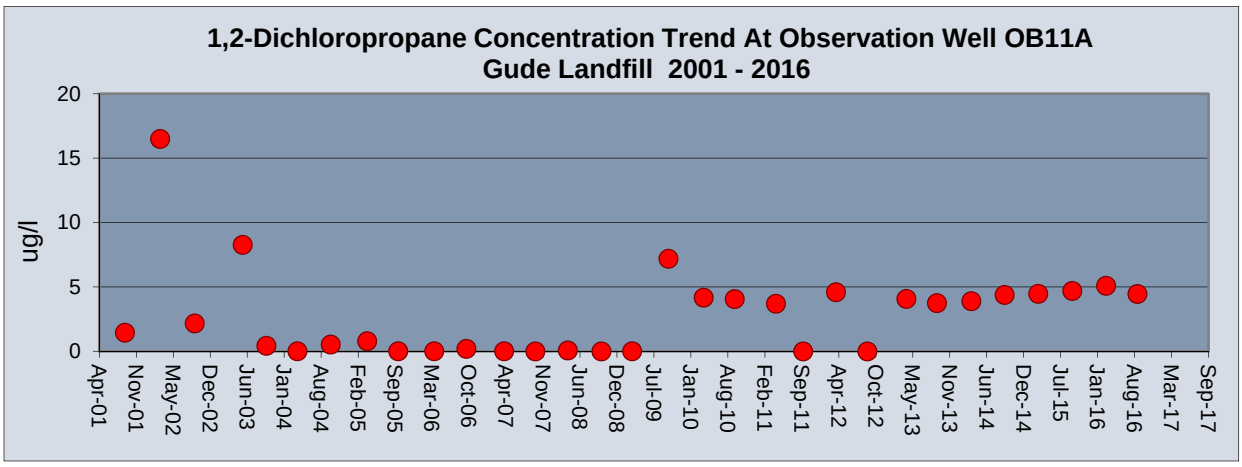
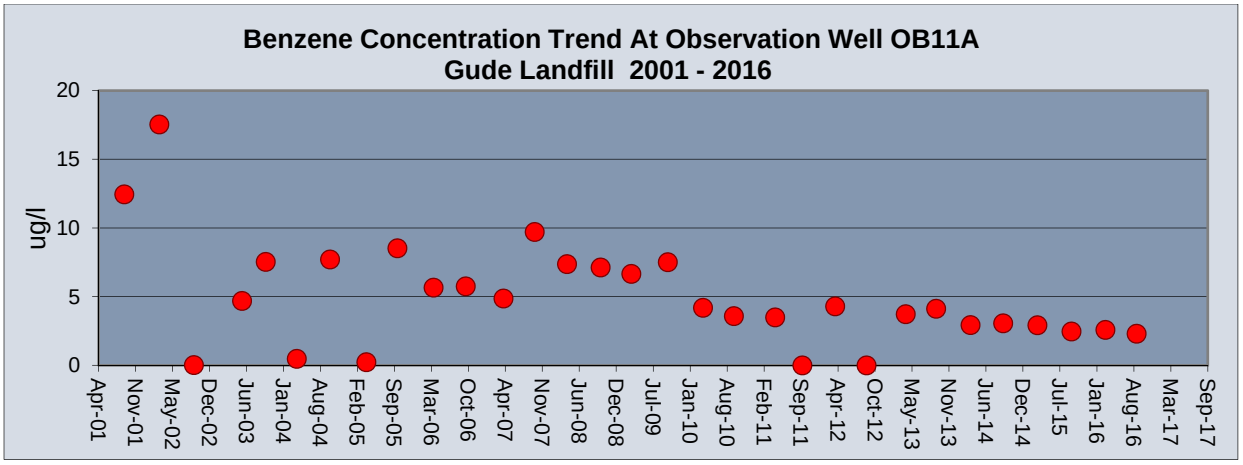
Jan-16
Aug-16
Mar-17
Sep-17


1,2-Dichloropropane Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2016
ug/l
20
15
10
5
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


Benzene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2016
ug/l
20
15
10
5
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
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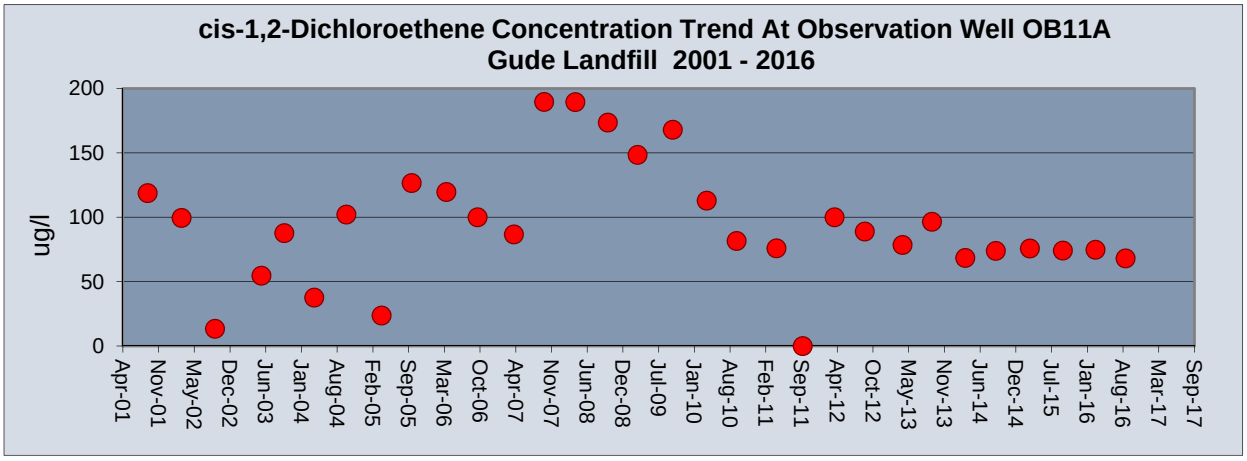
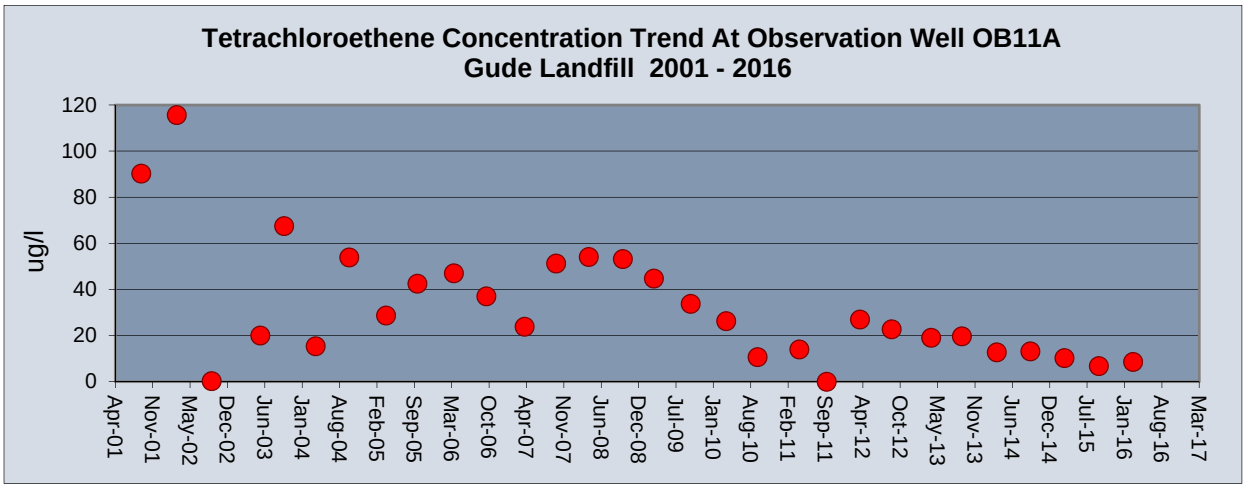
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


cis-1,2-Dichloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2016
ug/l
200
150
100
50
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17


Tetrachloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2016
ug/l
120
100
80
60
40
20
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
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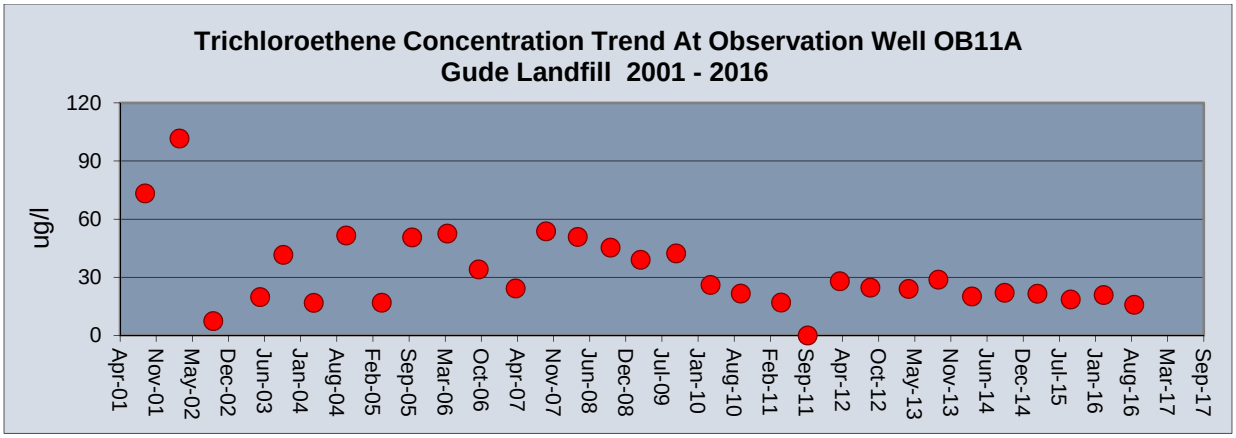
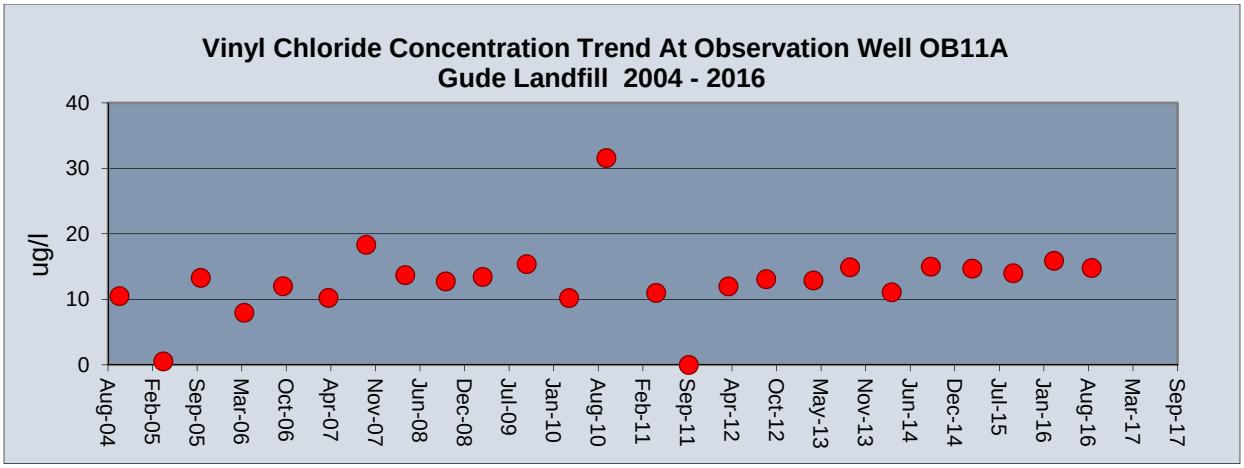
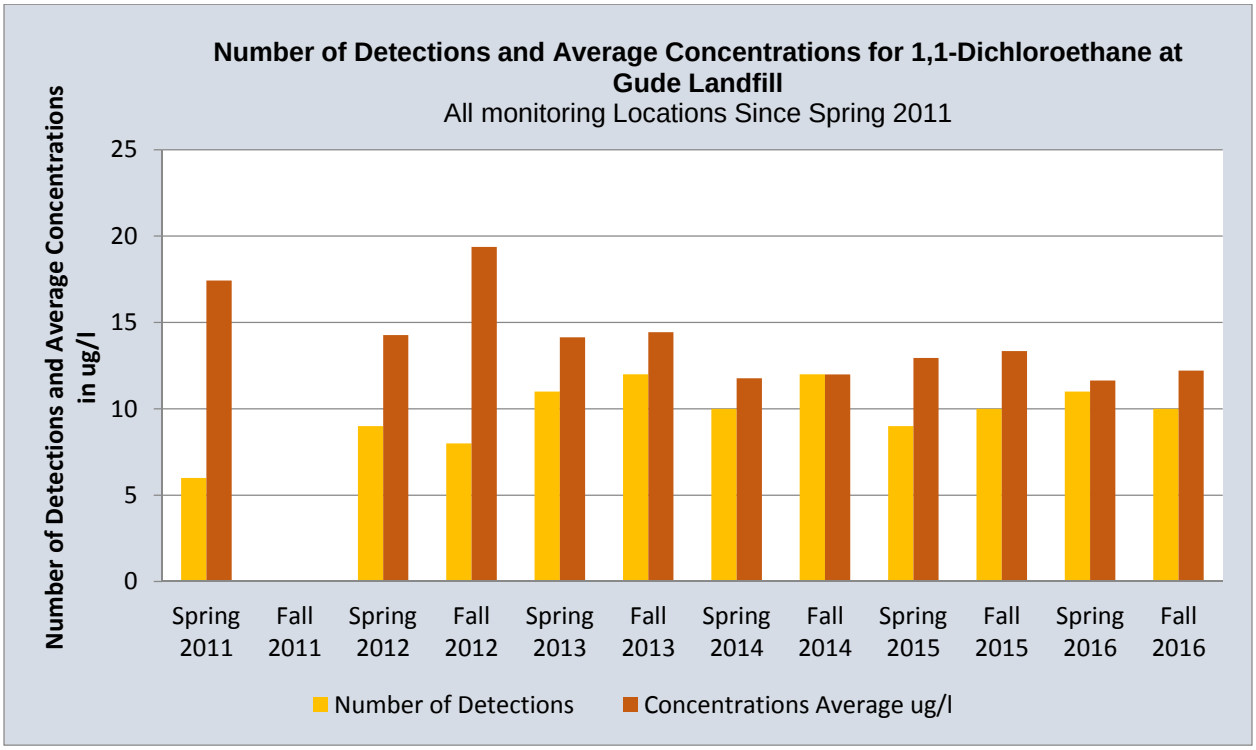
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17

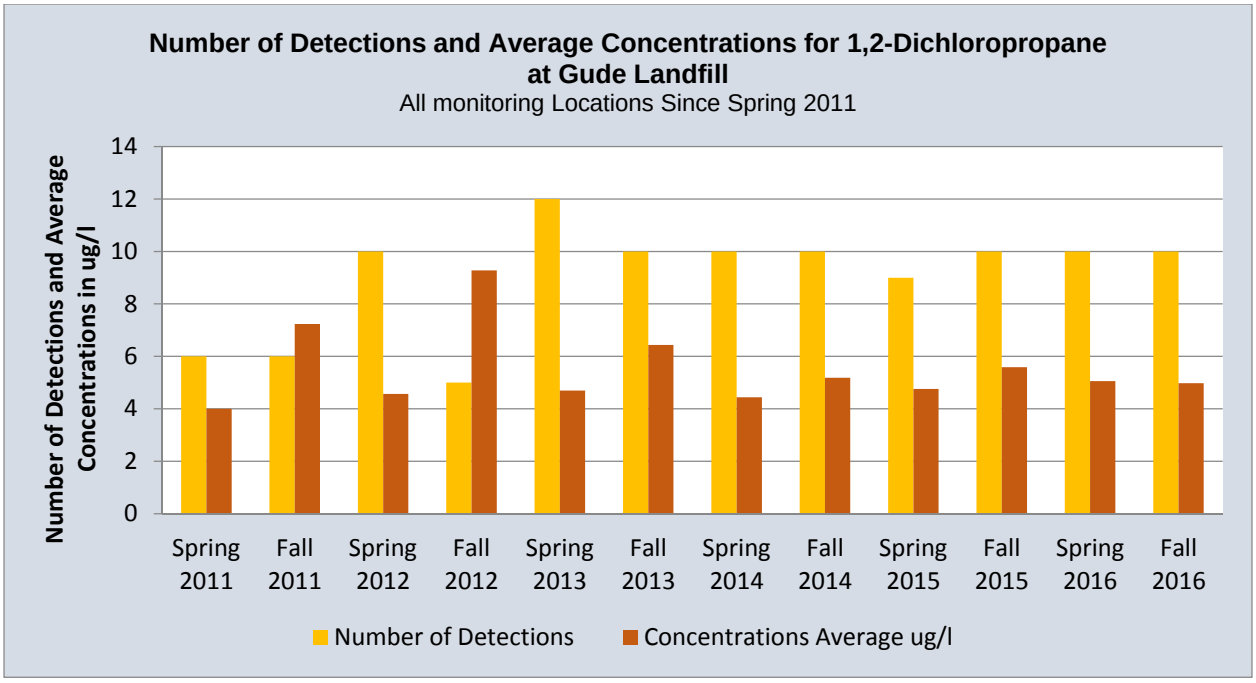

Trichloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2016
ug/l
120
90
60
30
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17

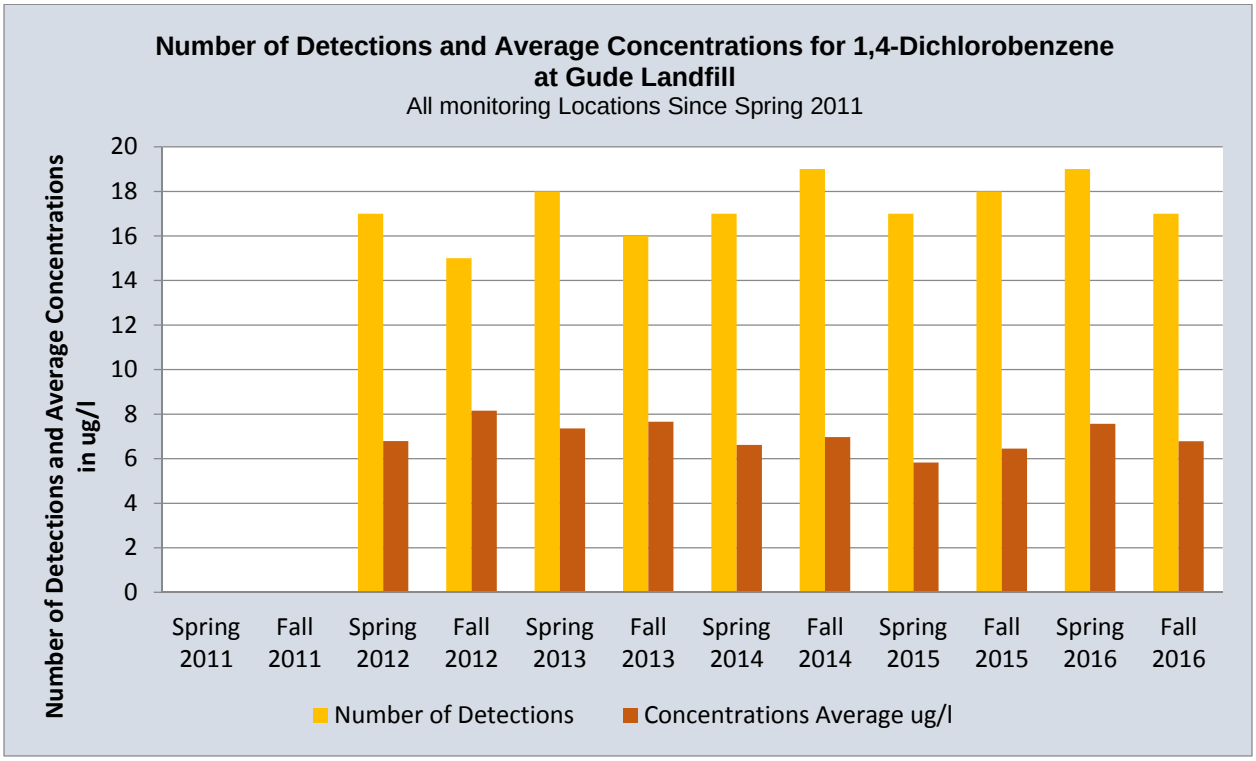

Vinyl Chloride Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2016
ug/l
40
30
20
10
0
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17

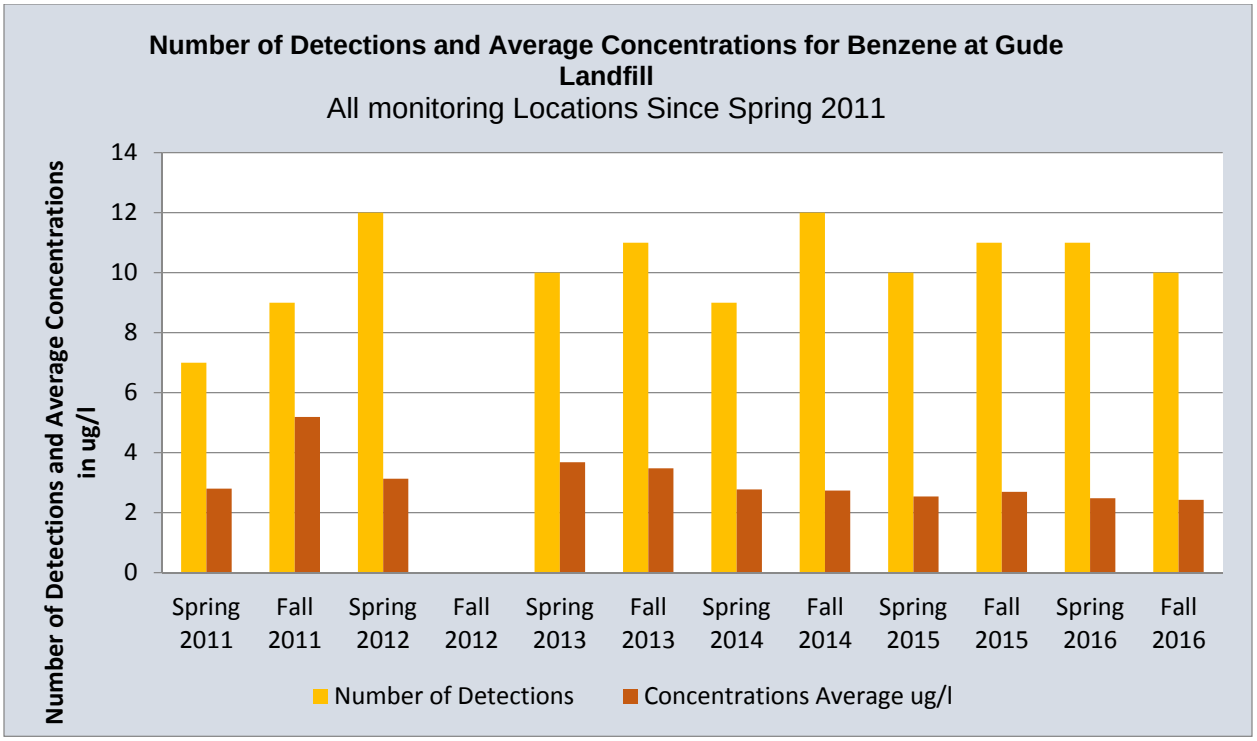
The following graphs provide Historical Trend Analysis for particular VOC compounds that are detected on regular basis at the Landfill since 2010.

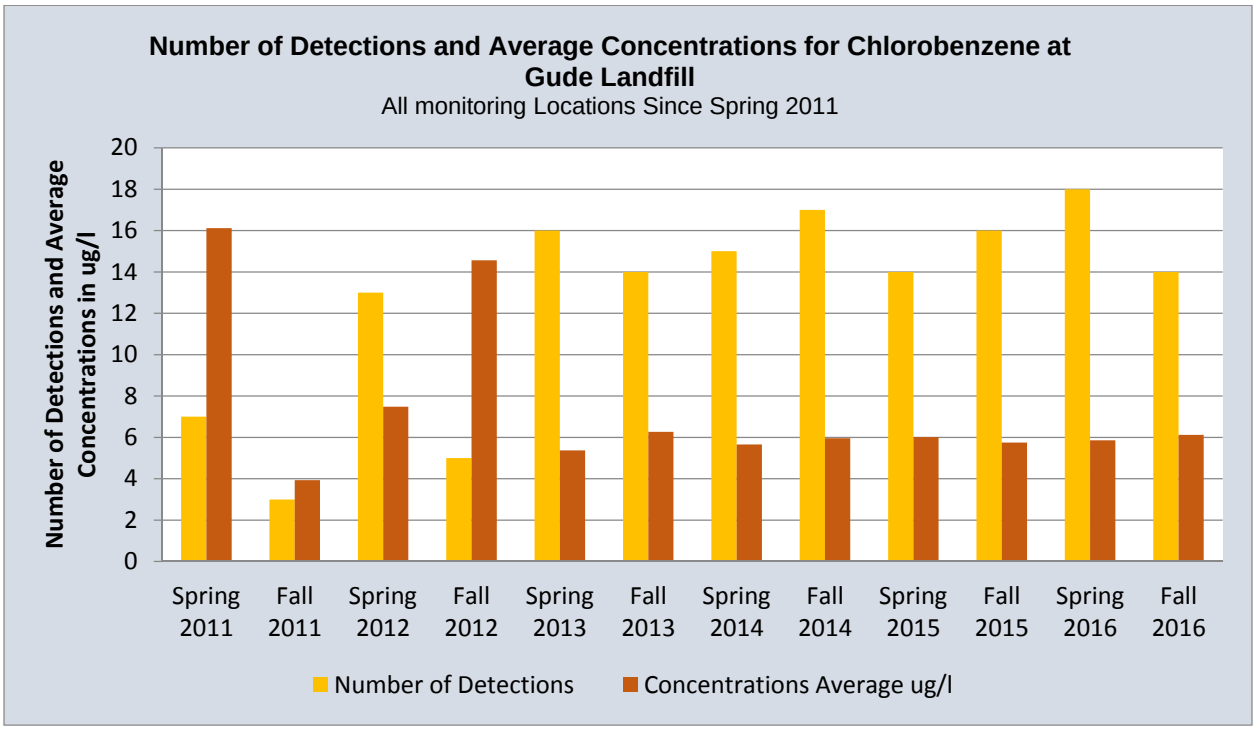
(These trend analyses are for all the monitoring wells including those installed in 2010. Please refer to Tables 1 and 2 for additional information.)

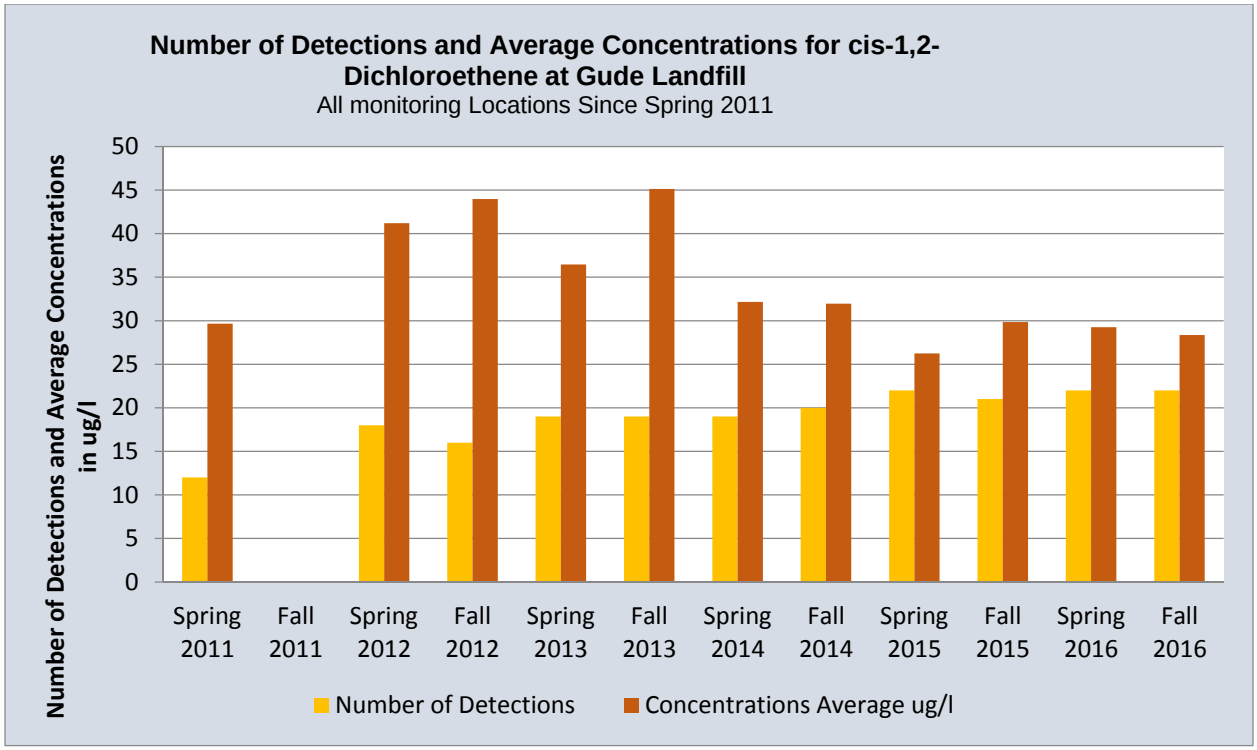


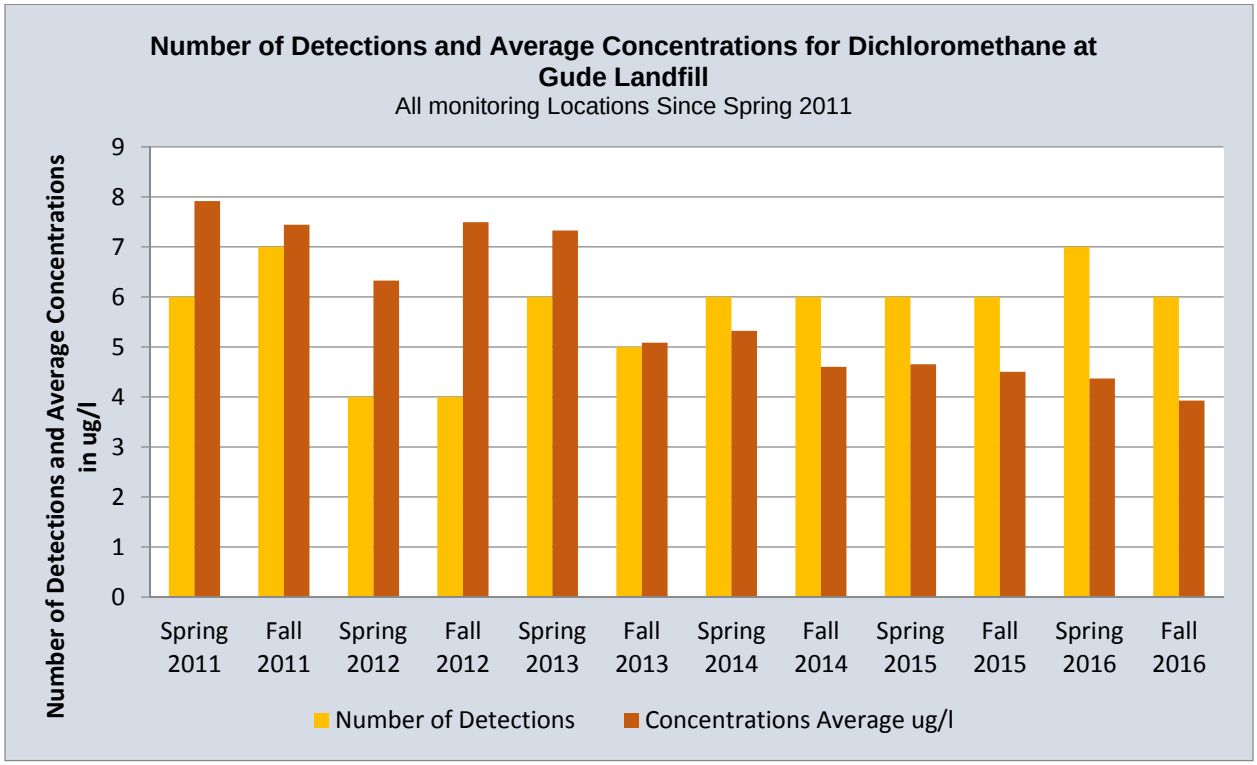

Number of Detections and Average Concentrations for 1,2-Dichloropropane at Gude Landfill
All monitoring Locations Since Spring 2011
Number of Detections and Average Concentrations in ug/l
0
2
4
6
8
10
12
14
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Number of Detections
Concentrations Average ug/l

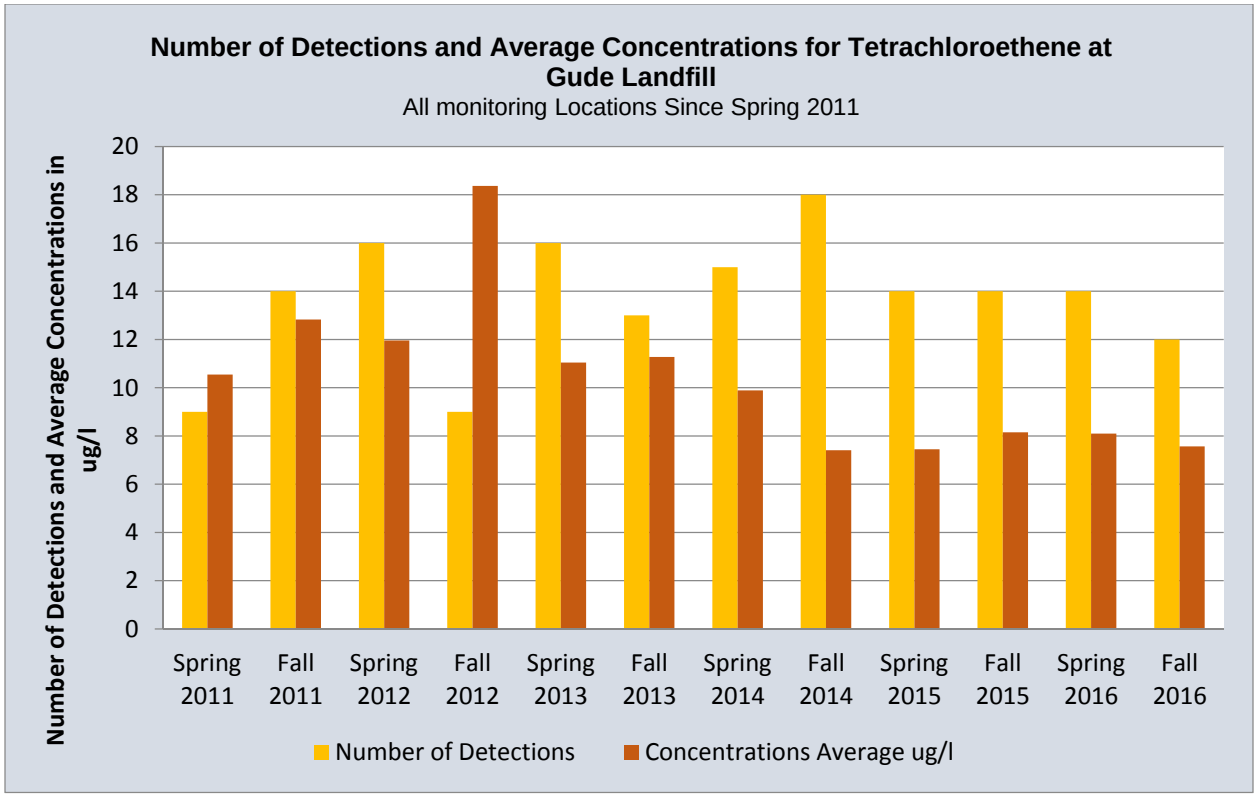

Number of Detections and Average Concentrations for 1,4-Dichlorobenzene at Gude Landfill
All monitoring Locations Since Spring 2011
Number of Detections and Average Concentrations in ug/l
0
2
4
6
8
10
12
14
16
18
20
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Number of Detections
Concentrations Average ug/l

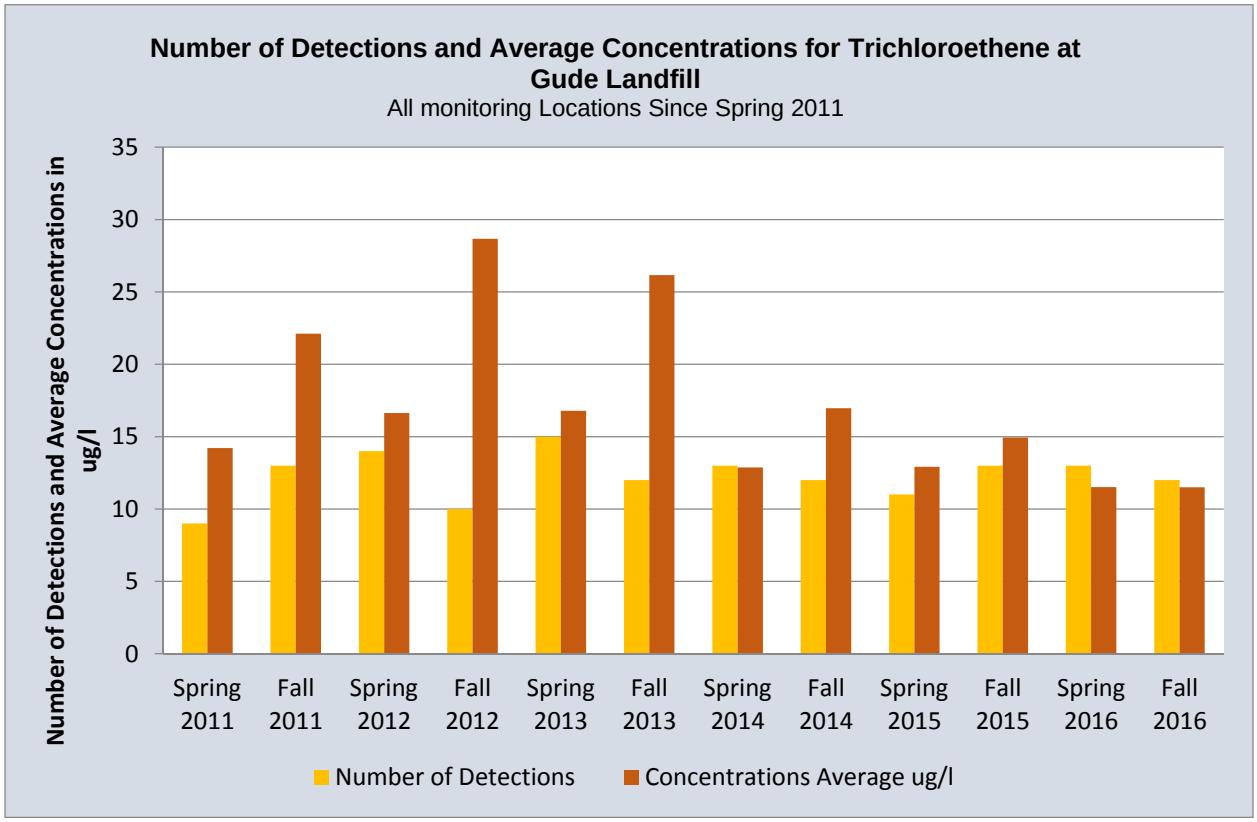

Number of Detections and Average Concentrations for Benzene at Gude Landfill
All monitoring Locations Since Spring 2011
Number of Detections and Average Concentrations in ug/l
14
12
10
8
6
4
2
0
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Number of Detections
Concentrations Average ug/l

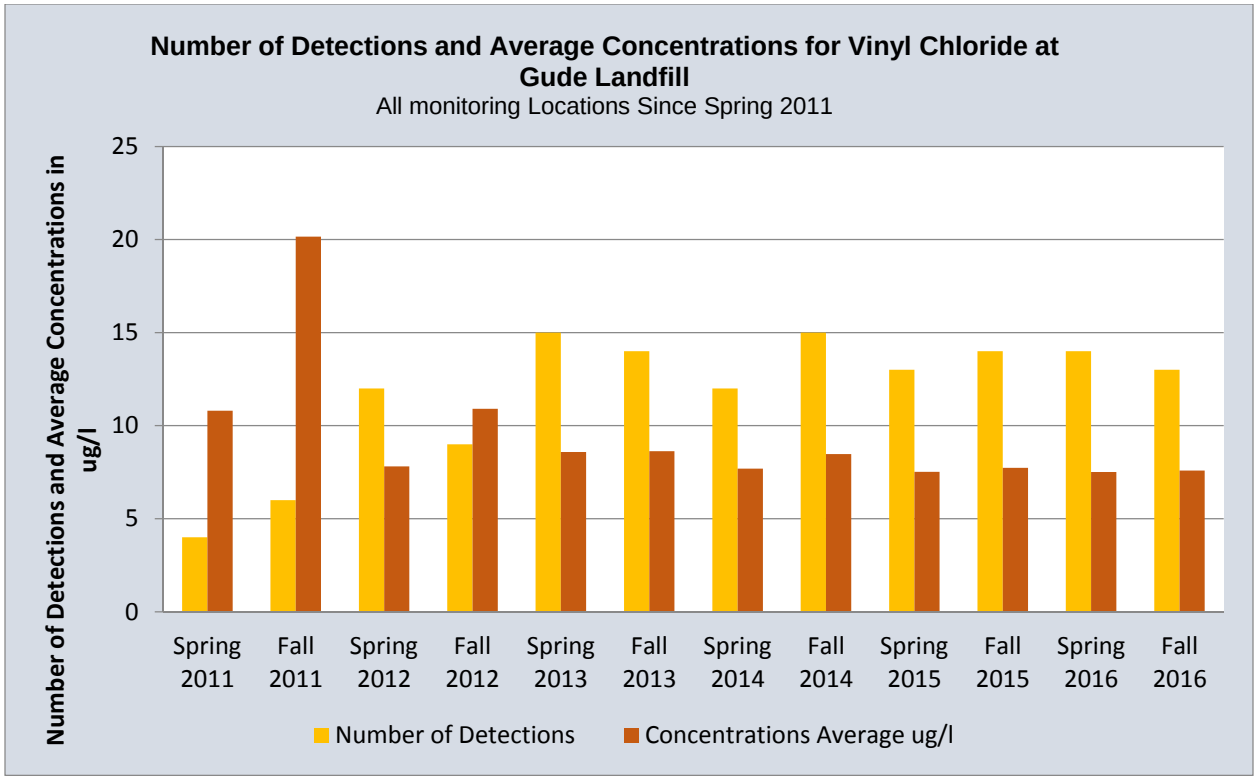

Number of Detections and Average Concentrations for Chlorobenzene at Gude Landfill
All monitoring Locations Since Spring 2011
Number of Detections and Average Concentrations in ug/l
20
18
16
14
12
10
8
6
4
2
0
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Number of Detections
Concentrations Average ug/l


Number of Detections and Average Concentrations for cis-1,2-Dichloroethene at Gude Landfill
All monitoring Locations Since Spring 2011
Number of Detections and Average Concentrations in ug/l
50
45
40
35
30
25
20
15
10
5
0
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Number of Detections
Concentrations Average ug/l


Number of Detections and Average Concentrations for Dichloromethane at Gude Landfill
All monitoring Locations Since Spring 2011
Number of Detections and Average Concentrations in ug/l
9
8
7
6
5
4
3
2
1
0
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Number of Detections
Concentrations Average ug/l


Number of Detections and Average Concentrations for Tetrachloroethene at Gude Landfill
All monitoring Locations Since Spring 2011
Number of Detections and Average Concentrations in ug/l
20
18
16
14
12
10
8
6
4
2
0
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Number of Detections
Concentrations Average ug/l


Number of Detections and Average Concentrations for Trichloroethene at Gude Landfill
All monitoring Locations Since Spring 2011
Number of Detections and Average Concentrations in ug/l
35
30
25
20
15
10
5
0
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Number of Detections
Concentrations Average ug/l


Number of Detections and Average Concentrations for Vinyl Chloride at Gude Landfill
All monitoring Locations Since Spring 2011
Number of Detections and Average Concentrations in ug/l
25
20
15
10
5
0
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Number of Detections
Concentrations Average ug/l

Appendix D

Tables of Metals

Results in (mg/l)

Table 3
Metals and Other Water Quality Parameters

	Parameter	OB01	OB02	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB11	OB11A	OB12	OB15	OB25	OB102	OB105	ST15
Gude Landfill - FALL 2016 Results	Alkalinity	70	85	38	248	293	245	145	244	204	77	218	226	132	228	351	129	151	330	2180	870	100
	Ammonia	ND	ND	ND	1.95	3.95	0.722	0.377	ND	ND	ND	ND	0.255	ND	ND	0.371	ND	ND	2.82	18.3	24	0.482
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.003	ND	ND	0.002	0.006	0.004	0.005	ND	ND	ND	ND	0.003	ND	ND	ND	ND	ND	ND	0.005	0.0035	ND
	Barium	0.285	0.147	0.473	0.467	0.306	0.294	0.065	0.199	0.029	0.041	0.146	0.07	0.077	0.026	0.179	0.015	0.07	0.144	0.375	0.245	0.041
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.011	ND	ND	ND	ND	ND	ND	ND
	Calcium	101	49.7	103	69	70.1	165	122	136	128	49	64.6	56.1	64.3	130	113	39.6	12.4	71.7	100	136	29.5
	Chloride	481	109	405	189	186	492	543	384	224	132	48.5	72.5	187	424	387	84.3	12.3	191	528	308	80.9
	Chromium	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	ND	ND	ND	ND	ND	ND	0.003	0.0065	ND
	Cobalt	0.007	ND	ND	0.054	0.04	ND	ND	ND	ND	ND	0.006	0.019	0.009	ND	0.03	ND	0.01	0.034	0.068	0.0105	ND
	COD	ND	ND	ND	17.3	18	39.4	47.5	43.3	12	ND	ND	ND	12	30.3	34.4	ND	ND	24.1	146	112	12.7
	Copper	0.007	ND	ND	ND	0.003	0.032	0.025	0.008	0.003	ND	ND	0.002	ND	0.004	0.004	ND	0.006	0.004	0.043	0.0159	ND
	Hardness	520	196	552	376	384	760	700	560	476	226	240	256	368	72	584	218	140	292	620	660	140
	Iron	0.676	1.36	1.33	22.4	35.6	1.07	0.842	1.75	1.09	0.409	0.467	3.82	1.45	0.969	1.59	0.216	22.4	3.94	1.17	13.1	2.17
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0035	ND
	Magnesium	61.9	20.1	62.7	40.6	43.6	86.1	85.1	56.7	38.8	22.2	14.7	22.5	36.2	71.8	80	24.9	15.9	52.4	86.4	115	11.3
	Managanese	3.34	1.27	0.052	18.8	12.3	2.85	1.76	0.558	0.101	0.202	5.21	7.77	6.57	0.948	9.25	0.135	0.816	21.7	15.5	2.76	0.738
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	2E-04	ND	ND	ND	ND	8E-04	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.033	ND	0.012	0.015	0.011	0.013	0.021	0.011	0.002	0.005	0.008	0.008	0.011	0.032	0.026	0.007	0.013	0.017	0.09	0.0252	ND
	Nitrate	2.29	ND	0.944	ND	ND	ND	ND	0.364	0.79	0.343	ND	ND	ND	ND	ND	0.575	ND	ND	ND	ND	ND
	pH	5.78	6.41	5.66	5.6	6.19	5.87	5.46	6.07	6.47	5.95	6.29	6.02	5.76	5.46	5.66	5.69	5.84	6.09	6.76	6.57	6.71
	Potassium	4.51	4.53	5.43	6.28	10.7	6.72	4.97	4.35	3.27	3	2.55	2.69	3.13	4.79	5.37	2.63	1.74	13.5	45.6	51.4	1.78
	Selenium	0.004	ND	ND	0.003	0.002	0.017	0.02	0.011	0.008	0.005	ND	0.003	0.004	0.006	0.005	ND	ND	0.003	0.016	0.0096	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	120	15.7	43.7	38.4	63.1	68.1	84.3	108	21.9	16.4	23.7	31.1	21.5	81.1	111	26.2	42.4	69.8	483	233	25.5
	Spec. Cond.	1618	484.7	686	978	1184	1857	1862	1670	1031	546	505.2	580.6	765.7	1637	1686	501	323.4	1178	3436	2561	367
	Sulfate	26.1	8.24	23.2	14.3	45.2	19	11.3	102	30.2	5.18	7.2	ND	ND	12.9	12.2	9.02	65.1	45.4	48	208	ND
	TDS	1080	382	936	562	650	1360	1200	1080	807	428	308	290	579	982	989	294	219	681	2100	1620	197
	Thallium	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	0.00	16.40	0.00	0.00	98.50	0.00	0.00	66.90	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.30	22.70	13.70	143.00	3.80
	Vanadium	0.004	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0098	ND
	Zinc	0.011	0.006	0.005	0.011	0.006	0.005	0.019	0.016	0.002	0.005	0.002	0.004	0.002	0.032	0.014	ND	0.087	0.012	0.007	0.0599	0.006

ND: Not Detected
NS: Not Sampled
Note: Benchmark exceedances are indicated in Red

Table 3
Metals and Other Water Quality Parameters

	Parameter	ST65	ST70	ST80	ST120	MW1B	MW2A	MW2B	MW3A	MW3B	MW04	MW06	MW07	MW08	MW09	MW10	MW11A	MW11B	MW12	MW13A	MW13B
Gude Landfill - FALL 2016 Results	Alkalinity	NS	107	45	60	53	51	38	26	234	47	80	105	157	38	66	33	67	25	37	214
	Ammonia	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	NS	ND	ND	ND	ND	ND	ND	ND	0.003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	NS	0.063	0.038	0.045	ND	0.01	0.008	0.004	0.304	0.032	0.016	0.06	0.08	0.043	0.069	0.04	0.018	0.269	0.197	0.075
	Beryllium	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NS	46.5	15.9	29.3	6.55	6.71	6.03	2.53	106	34.5	19.5	40.2	56.8	6.78	15.9	12.5	14.9	28.7	24.1	83.7
	Chloride	NS	128	40.9	94.2	2.71	3.32	ND	2.58	479	138	3.61	85.1	102	13.7	8.11	7.71	9.68	147	91.7	98.5
	Chromium	NS	ND	ND	ND	ND	ND	ND	0.002	0.006	ND	0.003	ND	ND	0.002	ND	0.002	ND	0.002	ND	ND
	Cobalt	NS	ND	ND	ND	ND	ND	ND	ND	0.746	ND	ND	0.012	ND	ND	ND	ND	ND	ND	0.009	ND
	COD	NS	12.1	11.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.2	ND	ND	ND	ND	ND	ND	ND
	Copper	NS	ND	ND	ND	ND	ND	ND	ND	0.009	ND	ND	0.005	0.003	ND	ND	0.003	0.002	0.003	0.003	ND
	Hardness	NS	192	92	188	68	40	42	20	590	140	70	114	298	72	100	84	82	136	142	340
	Iron	NS	0.329	0.813	0.447	ND	ND	ND	0.343	3.92	0.38	ND	1.6	0.371	ND	0.423	0.84	0.255	0.374	1.26	0.456
	Lead	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NS	20.8	8.13	15.6	3.94	3.39	2.47	1.29	77.4	20.5	2.82	21.9	32.8	4.88	6.84	4.95	7.55	12.6	17.3	30.1
	Managanese	NS	0.079	0.299	0.059	0.006	0.036	0.039	0.018	60.1	0.053	0.013	1.49	0.024	0.055	0.021	0.024	0.006	0.04	0.307	0.035
	Mercury	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	NS	0.004	0.003	0.003	ND	0.005	ND	ND	0.082	ND	ND	0.005	0.002	0.002	0.004	0.004	ND	0.004	0.008	0.003
	Nitrate	NS	1.17	0.528	1.24	ND	ND	ND	ND	ND	0.655	ND	1.84	8.22	1.27	ND	3.41	2.45	4.83	1.54	3.74
	pH	NS	7.26	7.33	7.21	5.92	5.44	5.13	5.68	6.81	5.86	5.66	5.41	6.64	4.97	5.7	5.51	6.05	5.07	4.82	5.9
	Potassium	NS	4.25	3.15	2.22	0.973	1.54	1.32	0.876	4.25	2.53	1.17	2.94	8.84	0.789	1.09	0.802	0.8	2.39	2.38	3.34
	Selenium	NS	ND	ND	ND	ND	ND	ND	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NS	39.1	14.2	24.3	7.38	6.28	3.81	3.08	114	27.5	10.4	33.1	69.8	5.76	8.57	5.01	8.61	54	13.3	18.2
	Spec. Cond.	NS	609.5	219.8	432	89	71.8	66.7	31.5	153	502	1844	540.4	895	111.7	157	119.1	163.5	563.6	360.2	708.7
	Sulfate	NS	15	4.72	10.4	ND	ND	ND	ND	65.5	4.8	7.46	34.9	111	ND	11.4	5.35	ND	20.4	ND	12.6
	TDS	NS	452	154	268	74	65	44	43	1240	412	98	358	588	91	133	118	128	443	293	508
	Thallium	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity	NS	0.00	0.60	0.00	34.50	0.00	4.60	11.70	0.00	6.50	15.60	0.00	1.50	16.30	38.00	39.90	29.60	5.20	46.60	0.00
	Vanadium	NS	ND	ND	ND	ND	ND	ND	ND	0.002	ND	ND	ND	ND	ND	0.003	0.002	0.004	0.002	0.003	ND
	Zinc	NS	0.004	0.002	ND	ND	0.007	0.004	0.003	0.042	0.002	0.004	0.007	0.003	0.009	0.009	0.008	0.014	0.016	0.012	ND

ND: Not Detected
NS: Not Sampled
Note: Benchmark exceedances are indicated in Red

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB01	Alkalinity	NT	NT	NT	104	95	103	93	112	100	73	80	66	86	77	81	70	72	70
	Ammonia	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0028
	Barium	0.1286	NT	0.1465	0.164	0.162	0.169	0.182	0.191	0.214	0.171	0.185	0.184	0.231	0.276	0.24	0.26	0.287	0.285
	Beryllium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	64.9	67.6	68.2	76.2	73.8	81.24	69.1	73.3	73.4	86.6	89.2	95	91	90.6	101
	Chloride	NT	NT	NT	196	204	241	262	291	322	284	291	303	379	411	430	421	456	481
	Chromium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0077
	Cobalt	0.0071	NT	ND	0.009	0.0084	0.0101	0.0147	0.0289	0.0219	0.009	0.0111	0.0068	0.012	0.0148	0.013	0.0073	0.0074	0.0071
	COD	NT	NT	NT	ND	ND	5.1	6.9	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	0.0072	NT	ND	0.007	0.0096	0.0094	0.0063	0.0065	0.0119	0.0058	0.0148	0.0061	0.0062	0.0087	0.0042	0.0052	0.0039	0.007
	Hardness	NT	NT	NT	330	320	350	364	390	420	342	346	356	440	472	520	504	452	520
	Iron	NT	NT	NT	ND	ND	0.469	0.837	0.515	1.6	0.386	0.458	0.541	0.55	0.675	ND	ND	0.579	0.676
	Lead	ND	NT	ND	ND	ND	ND	ND	0.0054	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	36	40.3	38.9	45.3	46.3	48.58	38.6	45	44	52.1	53	61	54	56.3	61.9
	Manganese	NT	NT	NT	2.77	3.17	3.95	5.07	7.98	6.33	3.74	3.8	3.59	4.99	5.72	5.3	4.1	5.04	3.34
	Mercury	ND	NT	ND	ND	ND	ND	ND	ND	0.0004	ND	ND	ND	ND	ND	0.0002	ND	ND	ND
	Nickel	0.0152	NT	0.0182	0.026	0.0264	0.0304	0.0307	0.0381	0.0406	0.0319	0.0324	0.0258	0.0313	0.0387	0.04	0.025	0.0226	0.0331
	Nitrate	NT	NT	NT	1.67	1.94	1.907	1.79	1.34	1.56	2.13	2.21	2.28	2.28	2.11	2.47	2.59	2.57	2.29
	pH	NT	NT	NT	5.82	5.08			5.51	5.62	5.14	5.87	5.46	5.67	5.65	5.77	5.7	5.74	5.78
	Potassium	NT	NT	NT	3.52	3.64	3.36	3.81	3.78	4.57	3.85	4.55	3.95	4.35	4.43	5.1	5	4.38	4.51
	Selenium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0023	0.004
	Silver	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0006	ND
	Sodium	NT	NT	NT	47.4	54.5	51.8	58.2	66.3	77.79	57.2	73.6	63.5	94.1	95.4	120	97	125	120
	Spec. Cond.	NT	NT	NT	855.9	920.7			980.9	1218	1060	1223	1052	1293	1379	1391	1454	1537	1618
	Sulfate	NT	NT	NT	26.4	24.9	26.6	26.8	28.8	26.1	24.2	22.3	25.7	26.5	28	26.5	26.2	24.9	26.1
	TDS	NT	NT	NT	776	912	1176	856	1116	876	856	980	840	758	940	960	870	ND	1080
	Thallium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	928	ND
	Turbidity	NT	NT	NT	0.186	0.18	0.98	1.96	NT	NT	NS	1.4	3.6	0	3.1	0	1.21	0	0.00
	Vanadium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0036
	Zinc	0.0161	NT	0.012	ND	0.013	0.0107	0.0116	0.0128	0.0163	0.0112	0.0118	0.012	0.0133	0.0174	0.013	0.011	0.0087	0.0106

NT: Not Tested
NS: Not Sampled
ND: Not Detected
Note: Benchmark exceedances are indicated in Red

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB02	Alkalinity	NT	NT	NT	67	57	72	70	72	68	68	67	65	67	66	72	73	67	85
	Ammonia	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.1635	0.1338	0.1568	0.296	0.344	0.126	0.531	0.0771	0.0702	0.427	0.05	0.0524	0.0575	0.0636	0.12	0.13	0.0814	0.147
	Beryllium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	60.6	73.9	39.1	72.2	28.2	28.37	103	20.9	23.6	23.3	23.6	35	42	39	49.7
	Chloride	NT	NT	NT	212	264	90	47.3	51.1	49.9	404	27.8	32.2	24.3	44.8	101	107	54.8	109
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0072	0.019	ND	ND
	Cobalt	ND	ND	ND	0.0057	0.0071	ND	0.0587	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	34.6	ND	ND	ND	ND	ND	ND	ND
	Copper	0.0052	0.0074	0.0055	0.006	0.0103	0.0069	ND	ND	0.0063	ND	0.0106	ND	0.0086	ND	0.0044	ND	ND	ND
	Hardness	NT	NT	NT	350	376	169	130	125	116	500	86	98	106	118	170	202	120	196
	Iron	NT	NT	NT	2.66	2.59	0.818	25.2	0.768	1.18	0.586	0.725	1.01	3.27	0.922	1.4	1.1	0.612	1.36
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	32.2	43.3	17.7	59.3	12.1	11.97	59	9.45	9.94	9.4	10.6	17	20	16.6	20.1
	Manganese	NT	NT	NT	1.21	1.34	1.24	10.1	0.876	0.919	0.0582	0.6	0.623	0.686	0.699	0.84	1.4	0.8	1.27
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0028	ND	0.0021	0.0082	0.011	ND	0.0168	ND	ND	0.0141	ND	ND	0.0056	ND	ND	0.018	ND	ND
	Nitrate	NT	NT	NT	ND	ND	ND	ND	ND	ND	0.575	ND	ND	ND	ND	ND	ND	ND	ND
	pH	NT	NT	NT	8.27	5.35			6.71	6.94	6.6	7.16	6.74	6.85	7.1	6.66	6.77	7.02	6.41
	Potassium	NT	NT	NT	5.91	7.07	4.43	13.7	3.99	3.76	5.69	3.33	3.25	3.48	3.27	4.1	5	3.41	4.53
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	22.6	30.6	17.8	111	11	15.64	34.5	14.8	10.2	10	10.3	13	15	15.6	15.7
	Spec. Cond.	NT	NT	NT	665	910.3			318.1	302.2	261.2	252.9	229.3	199	268	388.5	508.5	301.1	484.7
	Sulfate	NT	NT	NT	13.5	14.9	7.38	4.24	5.87	4.51	20.2	5.14	4.79	4.96	5.54	7.29	6.27	6.19	8.24
	TDS	NT	NT	NT	780	1008	388	336	1264	252	1124	152	174	178	166	286	320	ND	382
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	263	ND
	Turbidity	NT	NT	NT	10.3	6.4	2.6	33.3	NT	NT	NS	7.5	35.3	83.2	10.5	23.9	14.9	3	16.40
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0049	0.0074	0.0091	ND	0.0187	0.0053	0.0077	0.0064	0.0063	0.0086	ND	0.0062	0.0162	0.0082	ND	ND	ND	0.0059

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB02A	Alkalinity	NT	NT	NT	38	36	40	35	36	36	33	33	34	33	37	32	37	35	38
	Ammonia	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	NT	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.2413	0.1676	0.2743	0.354	0.297	0.345	0.349	0.397	0.356	0.0568	0.385	0.439	0.399	0.436	0.3	0.46	0.436	0.473
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	77.5	76.4	87.1	82.9	96.3	94	24.7	90.3	112	88.9	91.2	80	110	102	103
	Chloride	NT	NT	NT	280	286	310	302	350	334	36	335	419	359	383	299	431	391	405
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	0.0045	0.0061	0.0064	0.0054	0.0075	0.0077	0.0053	ND	0.0051	ND	0.0112	ND	ND	ND	0.0035	ND	ND	ND
	Hardness	NT	NT	NT	390	353	420	391	463	414	112	426	520	444	498	432	580	508	552
	Iron	NT	NT	NT	0.414	0.6	0.682	ND	0.58	0.396	0.793	0.486	0.521	0.574	0.567	0.62	ND	0.703	1.33
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	46.4	44.4	52.3	53.4	59.1	53.1	10.6	52.4	66.7	49.2	54.3	42	64	59.6	62.7
	Manganese	NT	NT	NT	0.0381	0.0382	0.0449	0.0513	0.0465	0.0449	0.718	0.0418	0.0548	0.0469	0.0503	0.031	0.043	0.0544	0.0519
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0059	0.0077	0.0073	0.0122	0.0099	0.012	0.011	0.0114	0.0135	ND	0.0116	0.0129	0.0148	0.0125	ND	ND	0.0111	0.012
	Nitrate	NT	NT	NT	0.5894	0.582	0.589	0.543	0.576	0.582	ND	0.623	0.616	0.651	0.614	0.625	0.693	0.99	0.944
	pH	NT	NT	NT	5.75	4.77			5.09	5.41	5.25	5.7	5.34	5.33	5.77	5.49	5.59	5.58	5.66
	Potassium	NT	NT	NT	4.73	4.1	4.69	5.2	5.78	4.82	3.56	5.24	5.51	5.01	4.95	3.5	5.9	4.46	5.43
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	31.2	32.5	35	31.6	34.9	37.5	10.9	35.9	39.8	30.9	36.8	26	46	41.2	43.7
	Spec. Cond.	NT	NT	NT	636.7	925.5			1263	1120	1386	1286	1327	1125	1249	851.1	1365	1230	686
	Sulfate	NT	NT	NT	22.4	16.2	25.4	17.8	21.5	18.4	4.91	19.3	22.2	22.5	22.9	17.5	21.5	23.5	23.2
	TDS	NT	NT	NT	1088	1072	1192	288	68	824	176	796	1072	944	826	644	932	ND	936
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	770	ND
	Turbidity	NT	NT	NT	3.83	1.16	0.891	0.416	NT	NT	NS	0	0	1.62	1.4	5.4	2.61	4.6	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
	Zinc	ND	ND	0.0131	ND	0.0071	0.0081	0.0082	0.0078	0.0065	0.0061	0.007	0.0088	0.0076	0.0097	0.013	ND	0.0047	0.005

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB03	Alkalinity	NT	NT	NT	265	321	242	267	216	187	241	221	233	212	227	213	243	210	248
	Ammonia	NT	NT	NT	2.39	6.46	2.9	4.97	2.56	3.48	2.43	2.7	2.29	3.45	3.15	2.77	2.39	2.04	1.95
	Antimony	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.004	ND	ND	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0031	0.0028	0.0026	0.0025
	Barium	0.7536	0.5928	0.5995	0.588	0.856	0.592	0.736	0.58	0.697	0.571	0.573	0.598	0.554	0.536	0.52	0.49	0.5	0.467
	Beryllium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	59.9	80.3	62.3	69	65.3	74.4	64.3	67.4	64.4	65.6	60.2	70	74	69.6	69
	Chloride	NT	NT	NT	134	193	155	220	163	222	169	192	157	201	194	202	183	201	189
	Chromium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.035	0.0025	ND
	Cobalt	0.0556	0.053	0.0569	0.0643	0.0662	0.0659	0.0629	0.0554	0.0634	0.067	0.0531	0.0566	0.0526	0.0522	0.056	0.061	0.0484	0.0544
	COD	NT	NT	NT	13.6	34.9	10.1	28.8	16.8	24.3	18	17.8	13.2	15.6	19.7	18.3	21.2	19.3	17.3
	Copper	0.0066	0.0077	0.0978	0.0063	0.0084	0.0124	0.0076	ND	0.0082	ND	0.0113	ND	ND	ND	0.0019	ND	ND	ND
	Hardness	NT	NT	NT	690	700	400	3600	410	400	360	348	330	420	370	404	620	396	376
	Iron	NT	NT	NT	28.8	34.6	25	23.6	22.19	23.68	21.7	21.8	20.6	19	17.6	21	21	20.9	22.4
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	33.2	52.8	35.6	47.1	41.1	42.7	37	35.2	38.6	37.4	35.3	40	41	40.7	40.6
	Manganese	NT	NT	NT	18.5	18.8	21.3	18.5	19	19.6	18.8	19.5	19.4	17.3	20.6	19	19	26.8	18.8
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	0.0003	ND	ND	0.0005	ND	ND	ND	ND	ND	ND
	Nickel	0.0168	0.0142	0.09	0.0183	0.0167	0.0197	0.0176	0.0164	0.0215	0.0217	0.0174	0.0188	0.0176	0.0165	ND	0.032	0.0126	0.0145
	Nitrate	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	NT	NT	NT	6.19	4.74			5.97	5.78	5.15	5.93	5.84	5.73	6.01	5.81	5.78	6.09	5.6
	Potassium	NT	NT	NT	10.2	10.9	6.94	10.1	7	7.95	6.77	9.31	5.77	8.52	7.12	7	7.4	5.72	6.28
	Selenium	NT	NT	NT	ND	ND	ND	ND	ND	0.0055	ND	ND	ND	ND	ND	ND	ND	0.0029	0.0027
	Silver	ND	ND	0.0154	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	ND	NT	ND	35.9	92.8	41.6	74.2	44.2	58.9	35.7	43.8	35.7	53.8	43.6	47	41	42.9	38.4
	Spec. Cond.	NT	NT	NT	902	1405			814.1	1140	960.6	1138	887.2	1025	980.6	824.4	952	970.2	978
	Sulfate	NT	NT	NT	8.84	31.4	16.7	41.4	22	28.5	13.1	18.6	16.8	36.2	23.4	32.2	12.6	21.5	14.3
	TDS	NT	NT	NT	564	984	676	784	804	888	604	572	568	602	540	584	516	0.0011	562
	Thallium	0.0015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	0.0013	574	0.0011
	Turbidity	NT	NT	NT	11	24.4	22.9	2.81	NT	NT	NS	0	0	1.18	0	0	9.8	0	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0208	ND	0.0336	ND	0.0118	0.0165	0.0148	0.0141	0.0175	0.0148	0.0142	0.0154	0.0137	0.0166	0.013	0.015	0.0093	0.0105

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB03A	Alkalinity	NT	NT	NT	317	461	270	340	226	266	268	338	260	278	257	292	286	299	293
	Ammonia	NT	NT	NT	6.47	8.93	4.35	7.91	5.09	6.15	4.51	6.67	4.18	6.76	4.96	4.64	3.65	5.97	3.95
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0032	**0.0106**	ND	0.0036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0035	0.0026	ND	0.0065
	Barium	0.5139	0.5699	0.593	0.568	0.421	0.581	0.0796	0.529	0.51	0.495	0.435	0.543	0.376	0.419	0.25	0.32	0.235	0.306
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	69.4	91.6	66	24.8	68.5	76	62.3	70.9	67.2	62.8	58.6	78	80	76.5	70.1
	Chloride	NT	NT	NT	194	164	176	239	193	245	185	229	177	217	213	180	182	200	186
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.0609	0.0617	0.063	0.0698	0.0458	0.0684	ND	0.0563	0.057	0.0672	0.0441	0.0561	0.047	0.0496	0.034	0.044	0.0331	0.0402
	COD	NT	NT	NT	19.1	38.5	12.1	35	22.5	31.1	19.5	52.1	17.5	19	21.1	18.4	24.4	23.4	18
	Copper	0.0056	0.0083	ND	0.0064	0.0084	0.008	0.0108	ND	0.0096	ND	0.011	ND	ND	ND	0.0013	ND	ND	0.0027
	Hardness	NT	NT	NT	700	670	360	580	375	420	350	400	360	560	190	440	540	392	384
	Iron	NT	NT	NT	39.4	49.3	31	2.71	29.71	29.85	26.5	29.6	25.6	20.7	20.6	13	23	21.4	35.6
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	44.4	66.8	41.6	15.8	48.7	52.7	39.3	51.4	43	44.4	37.6	46	44	58.4	43.6
	Manganese	NT	NT	NT	13.3	6.35	16.4	0.982	14.2	13.7	15.4	11.2	16	8.71	15	6.6	15	6.37	12.3
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0164	0.0166	0.016	0.02	0.0157	0.0194	ND	0.0158	0.0185	0.021	0.0142	0.0181	0.0162	0.015	ND	ND	0.0107	0.011
	Nitrate	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.49	0.559	ND	ND
	pH	NT	NT	NT	5.76	4.98			6.03	6.04	5.2	6.29	5.34	6.03	6.16	7.1	6.18	6.29	6.19
	Potassium	NT	NT	NT	12.4	19.2	9.18	4.68	9.64	13.1	9.64	16.6	8.17	15	10	15	11	12.1	10.7
	Selenium	ND	ND	ND	0.0024	ND	ND	ND	ND	0.0059	ND	ND	ND	ND	ND	ND	ND	ND	0.0024
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	70.3	132	58.5	14.4	70.5	91	52.2	97.8	55.7	83.7	60.1	96	61	109	63.1
	Spec. Cond.	NT	NT	NT	1023	1661			975.1	1379	1082	1517	998.1	1220	1117	1021	1112	1152	1184
	Sulfate	NT	NT	NT	33.5	75.4	26.9	58.4	31.5	41.8	21.2	36	29.7	59.7	34.3	92.4	29.7	72.3	45.2
	TDS	NT	NT	NT	780	1112	704	980	888	952	632	796	578	724	560	706	590	ND	650
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0019	ND	321	ND
	Turbidity	NT	NT	NT	39.4	271	13.3	13.6	NT	NT	NS	1.8	3.8	2.86	6.2	10	62.7	14.2	98.50
	Vanadium	0.0021	0.0036	0.0005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0272	0.0182	0.0182	0.011	0.0087	0.0131	0.0147	0.0089	0.0142	0.0099	0.0064	0.0117	0.0074	0.0129	0.0053	0.012	0.0064	0.0064

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Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB04	Alkalinity	NT	NT	NT	221	242	255	238	242	261	248	244	249	248	265	250	270	249	245
	Ammonia	NT	NT	NT	0.328	0.542	0.514	0.695	0.673	0.667	0.771	0.733	0.666	0.782	0.939	0.826	1.04	0.787	0.722
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	0.0034	ND	0.0055	ND	ND	0.0091	0.0086	0.0093	ND	0.0088	ND	0.0079	0.0054	0.0041	0.0042
	Barium	0.1991	0.2255	0.2468	0.261	0.254	0.255	0.264	0.255	0.281	0.247	0.274	0.265	0.294	0.291	0.28	0.28	0.309	0.294
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	154	160	159	154	157	173	157	151	164	175	169	180	170	170	165
	Chloride	NT	NT	NT	412	193	424	433	416	473	448	449	455	453	462	503	482	496	492
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	26.3	25.2	29.8	30.7	29.2	34.1	26.7	31.3	23.7	34.8	38	33.1	35	32	39.4
	Copper	0.0088	0.0087	0.0311	0.0344	0.0388	0.0418	0.0367	0.0314	0.0377	0.0353	0.0475	0.0354	0.0382	0.0393	0.036	0.039	0.036	0.0321
	Hardness	NT	NT	NT	670	610	680	717	705	714	712	730	740	742	762	764	760	780	760
	Iron	NT	NT	NT	0.343	1.13	1.2	ND	0.92	0.804	0.824	0.751	0.729	0.921	0.993	ND	ND	1	1.07
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	75.1	83.7	81	88.1	89.1	88.9	76.6	78.1	82	88.3	86.1	89	86	87.4	86.1
	Manganese	NT	NT	NT	1.32	1.81	1.84	1.94	2.03	2.07	2.28	2.55	2.59	2.63	2.95	2.6	3.2	5.14	2.85
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0106	0.0118	ND	0.0137	0.0124	0.0145	0.0132	0.0115	0.0178	0.0179	0.0204	0.0139	0.0174	0.0149	ND	0.011	0.0136	0.0125
	Nitrate	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	NT	NT	NT	6.71	5.3			5.88	5.65	5.67	6.22	6.12	6.17	6.32	6.07	5.99	6.21	5.87
	Potassium	NT	NT	NT	6.32	6.52	6.45	7.29	7.18	7.03	7.72	8.21	7.21	7.74	7.71	7.4	8.4	6.85	6.72
	Selenium	0.005	0.0058	ND	0.0167	0.0066	0.0219	0.0193	0.0144	0.032	0.0321	0.037	0.0212	0.0303	0.0208	0.027	0.022	0.0195	0.0174
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	71	77.6	73.8	74.4	74.3	73.3	63.2	66.6	64.8	71.4	73.1	65	71	69.3	68.1
	Spec. Cond.	NT	NT	NT	1673	1758			1503	1817	1828	2022	1737	1742	1840	1685	1881	1835	1857
	Sulfate	NT	NT	NT	18.8	21.1	28.4	19.6	22.3	19.5	18.3	16.1	21	22.8	27.9	20.2	17.9	21.6	19
	TDS	NT	NT	NT	1348	1772	1760	1428	1736	1632	1432	1600	1304	1256	1168	1112	1142	ND	1360
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1150	ND
	Turbidity	NT	NT	NT	1.07	0.24	0.632	0.421	NT	NT	NS	0	0	1.02	0	0.6	0	0	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0167	ND	0.0138	ND	0.0076	0.0078	0.0083	0.0074	0.0069	0.0089	0.0079	0.008	0.01	0.0109	0.0064	0.006	0.0056	0.0051

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB04A	Alkalinity	NT	NT	NT	125	142	135	133	127	129	123	129	127	133	144	1250	131	132	145
	Ammonia	NT	NT	NT	0.301	0.366	0.281	0.379	0.316	0.218	0.299	0.285	0.229	0.309	0.478	0.368	0.372	0.327	0.377
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	0.0036	ND	0.0061	0.0053	ND	**0.0105**	**0.0107**	**0.0105**	0.0056	**0.0106**	0.0051	0.0082	0.0067	0.0046	0.0048
	Barium	0.0453	0.049	0.0512	0.0542	0.0555	0.0539	0.0579	0.0555	0.0614	0.0553	0.0622	0.0612	0.0681	0.0681	0.059	0.061	0.0686	0.0654
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	109	116	113	117	118	124	118	126	123	142	121	130	130	129	122
	Chloride	NT	NT	NT	438	311	468	473	460	531	501	498	501	512	530	544	541	580	543
	Chromium	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	31.3	26.4	29.5	39.3	27.5	33	33.3	28.8	65.6	27.6	34.6	35.6	39.7	35.5	47.5
	Copper	0.03	0.027	0.0288	0.0328	0.0321	0.0324	0.0283	0.0236	0.0295	0.0256	0.0364	0.0284	0.0281	0.0291	0.03	0.028	0.028	0.0254
	Hardness	NT	NT	NT	570	550	600	592	602	622	598	604	616	640	684	694	680	690	700
	Iron	NT	NT	NT	0.998	1.57	1.24	0.636	0.712	1.12	0.615	0.806	0.932	1.05	0.998	0.5	ND	0.941	0.842
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	71.9	86.1	80.3	94.8	85.5	88.8	81	89.6	85.5	98.8	85.2	89	89	91.1	85.1
	Manganese	NT	NT	NT	0.969	1.07	1.13	1.12	1.1	1.01	1.12	1.23	1.48	1.32	1.58	1.6	1.7	1.84	1.76
	Mercury	0.0004	ND	ND	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0164	0.0172	0.0159	0.021	0.0194	0.0207	0.0193	0.017	0.0234	0.0239	0.0255	0.021	0.0238	0.0219	ND	0.017	0.0225	0.0209
	Nitrate	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	NT	NT	NT	5.82	4.84			5.43	5.57	5.29	5.85	5.69	5.77	5.92	6.41	5.63	5.76	5.46
	Potassium	NT	NT	NT	4.93	5.25	4.92	5.92	4.99	5.73	5.42	5.96	5.15	5.38	5.51	5.3	5.9	5.74	4.97
	Selenium	0.0077	0.0064	ND	0.0174	0.0071	0.0243	0.0223	0.0161	0.0373	0.0391	0.0434	0.0239	0.0358	0.0233	0.028	0.026	0.0226	0.0197
	Silver	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	89.1	101	91.9	100	91.1	95	89	100	90.4	106	89.6	94	89	90.3	84.3
	Spec. Cond.	NT	NT	NT	1943	1678			1438	1752	1785	1985	1697	1720	1818	1577	1837	1836	1862
	Sulfate	NT	NT	NT	12.1	12.9	12.8	11.5	11	11.1	11.5	9	11.7	12	14	11	9.29	12.2	11.3
	TDS	NT	NT	NT	1200	1764	1672	1356	1636	1508	1476	1596	1262	1242	1138	1088	1169	ND	1200
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1070	ND
	Turbidity	NT	NT	NT	10.3	16.8	16.3	5.83	NT	NT	NS	12.3	18.2	14.1	7.2	0	0.81	0	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0201	0.0273	0.0321	0.024	0.0227	0.0214	0.021	0.0204	0.0227	0.0222	0.0228	0.0227	0.0239	0.026	0.024	0.023	0.022	0.0186

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB06	Alkalinity	NT	NT	NT	150	170	220	145	156	175	161	178	188	203	182	197	220	231	244
	Ammonia	NT	NT	NT	ND	ND	ND	0.389	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0027	ND	ND	0.0032	ND	0.0067	ND	ND	ND	ND	ND	ND	ND	ND	0.0047	0.0059	0.0027	ND
	Barium	0.1607	0.17	0.1941	0.196	0.267	0.507	0.536	0.195	0.221	0.19	0.196	0.18	0.205	0.193	0.17	0.17	0.193	0.199
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	148	147	126	145	137.5	142	148	135	136	146	130	140	140	90.8	136
	Chloride	NT	NT	NT	356	222	360	356	350	383	374	382	376	373	365	372	365	382	384
	Chromium	ND	ND	0.0127	0.0021	0.021	**0.127**	0.0199	ND	0.0133	0.0063	ND	ND	0.0073	ND	ND	ND	0.0027	ND
	Cobalt	0.0052	0.0052	ND	0.0059	0.0111	0.0326	0.0101	ND	0.0069	0.0066	ND	ND	0.0057	ND	ND	0.005	0.0046	ND
	COD	NT	NT	NT	68	55.1	31.5	38.9	32.9	44	38.1	43	36.2	44.6	41.5	43.2	48.4	29.5	43.3
	Copper	0.0096	0.0101	0.0117	0.0116	0.0327	0.207	0.0444	0.0068	0.0309	0.015	0.0158	0.0091	0.0164	0.0106	0.0051	ND	0.005	0.0075
	Hardness	NT	NT	NT	580	560	550	553	552	582	566	582	584	632	584	586	572	576	560
	Iron	NT	NT	NT	1.7	29.2	111	15.5	1.05	12.2	5.07	1.17	1.4	7.3	2.69	0.64	1.5	1.04	1.75
	Lead	ND	ND	ND	ND	0.0126	**0.0503**	**0.0474**	ND	0.0081	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	56.6	64.4	78.8	63	55.9	61.3	61.1	55.3	54.7	61.9	55.5	55	58	56.2	56.7
	Manganese	NT	NT	NT	0.482	0.668	1.57	0.862	0.487	0.592	0.589	0.496	0.481	0.557	0.494	0.47	0.57	0.568	0.558
	Mercury	0.0003	ND	ND	ND	**0.0029**	0.0015	**0.0085**	0.0009	0.0005	0.0004	ND	ND	0.0005	ND	ND	0.0002	ND	ND
	Nickel	0.0129	0.0129	0.02	0.0166	0.0349	0.131	0.0245	0.0112	0.0207	0.0184	0.0126	0.0114	0.0151	0.0129	0.014	ND	0.0104	0.0112
	Nitrate	NT	NT	NT	0.6869	0.6679	0.87	0.758	0.786	0.708	0.674	0.554	0.559	0.486	0.609	0.59	0.535	0.41	0.364
	pH	NT	NT	NT	5.62	5.69			5.51	5.76	5.42	6.03	5.7	5.96	5.94	6.31	5.87	6.24	6.07
	Potassium	NT	NT	NT	4.82	6.71	28.8	6.2	4.72	7.39	5.52	6.2	4.75	5.57	4.68	4.4	5.1	4.13	4.35
	Selenium	0.0095	0.0088	ND	0.0147	0.008	0.023	0.0201	0.0122	0.0121	0.0151	0.0169	0.0124	0.0117	0.0134	0.014	0.017	0.0121	0.0107
	Silver	ND	ND	ND	ND	0.0088	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0002	ND
	Sodium	NT	NT	NT	83.3	92	70.4	80.3	81	94.3	88.7	92.2	87.3	105	91	100	110	125	108
	Spec. Cond.	NT	NT	NT	1564	1571			1289	1600	1618	1247	1537	1567	1490	313.4	1618	1625	1670
	Sulfate	NT	NT	NT	82.9	85.1	81.7	85.7	93.7	76.8	89.6	86.5	101	89.8	92.6	89.9	102	99.3	102
	TDS	NT	NT	NT	1116	1388	1784	1192	960	1156	1224	1124	1150	982	1034	970	913	ND	1080
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	979	ND
	Turbidity	NT	NT	NT	21.7	533	3329	3800	NT	NT	NS	44.6	38.5	206	58.9	35.5	36.4	20.1	66.90
	Vanadium	ND	ND	ND	ND	0.0204	0.133	0.0213	ND	0.0148	ND	ND	ND	0.0074	ND	ND	ND	ND	ND
	Zinc	0.0321	0.0414	0.0414	0.0321	0.116	0.372	0.0997	0.0213	0.0545	0.0385	0.021	0.0208	0.0357	0.0283	0.019	0.022	0.0128	0.0162

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Table 4
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Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB07	Alkalinity	NT	NT	NT	163	161	184	175	169	176	172	178	181	191	196	184	200	198	204
	Ammonia	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0021	0.0029	ND	ND
	Barium	0.0511	0.0406	0.0252	0.025	0.0414	0.0333	0.0256	0.0257	0.0261	0.0265	0.0338	0.0287	0.029	0.0325	0.038	0.024	0.0285	0.0288
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	99.5	105	102	114	112.5	108	113	115	123	127	124	130	130	131	128
	Chloride	NT	NT	NT	150	48.8	171	193	194	199	202	222	223	226	243	206	235	236	224
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	ND	13.6	ND	14	5.2	11.7	ND	11.2	ND	14.3	15.9	11.3	13.8	ND	12
	Copper	0.0033	0.008	ND	0.0062	0.0126	0.0132	ND	ND	0.0091	0.0056	0.0135	ND	ND	ND	0.0052	ND	0.0025	0.0028
	Hardness	NT	NT	NT	331	350	360	407	409	412	410	434	452	494	508	450	488	464	476
	Iron	NT	NT	NT	0.262	1.07	2.14	1.08	0.659	0.957	0.837	1.78	0.564	0.699	0.742	0.78	ND	0.924	1.09
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0013	ND	ND	ND
	Magnesium	NT	NT	NT	26.1	29.7	28.5	35.2	34.8	33.6	33.3	33.9	37.7	40.3	39.9	36	38	39.6	38.8
	Manganese	NT	NT	NT	0.0317	0.281	0.221	0.0338	0.0369	0.113	0.0724	0.0827	0.0415	0.0394	0.039	0.15	0.062	0.077	0.101
	Mercury	ND	ND	ND	ND	ND	0.0003	0.0005	0.0003	0.0003	0.0005	0.0004	0.0004	0.0005	0.0005	0.0003	0.0004	0.0002	0.0002
	Nickel	0.0022	ND	ND	0.0047	0.0057	ND	ND	ND	ND	ND	ND	0.0057	ND	ND	0.0054	ND	0.002	0.0023
	Nitrate	NT	NT	NT	0.5482	0.5966	0.658	0.861	0.819	0.8232	0.8309	0.8996	0.96	0.9667	1	0.846	0.9093	0.8753	0.7904
	pH	NT	NT	NT	7.04	5.95			6.34	6.55	6.17	6.74	6.41	6.58	6.65	6.63	6.64	6.86	6.47
	Potassium	NT	NT	NT	3.07	3.23	3.13	3.24	3.42	3.4	3.54	4.66	3.47	3.3	3.45	3.7	3.8	3.24	3.27
	Selenium	0.0028	ND	ND	0.0044	ND	0.0058	0.0071	0.0066	0.0051	0.0071	0.0087	0.0064	0.0063	0.0084	0.0085	0.012	0.0074	0.0076
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	21.4	23.3	21.9	21.3	20.8	24.5	19.5	22.9	20.8	22.1	22.6	21	22	22.2	21.9
	Spec. Cond.	NT	NT	NT	760	828.1			806.2	937.2	973.5	1115	992.5	1025	1057	874	1048	1018	1031
	Sulfate	NT	NT	NT	13.4	15.2	19.2	20.4	21	20.2	23	24.1	24.6	27.9	32.5	26.9	29.5	28.8	30.2
	TDS	NT	NT	NT	644	764	1068	800	984	708	828	666	724	624	824	636	625	ND	807
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	791	ND
	Turbidity	NT	NT	NT	0.283	14.3	40.7	0.939	NT	NT	NS	42.5	0	1.23	0.3	24.1	5	14.1	19.80
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	ND	ND	ND	ND	0.0126	0.0112	ND	0.0058	0.0058	0.0062	0.0075	0.0054	ND	0.0086	0.0087	ND	ND	0.0022

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Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB07A	Alkalinity	NT	NT	NT	124	92	115	112	115	122	119	112	120	118	114	119	120	70	77
	Ammonia	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0028	0.0036	ND	ND
	Barium	0.0643	0.0864	0.0419	0.0431	0.0693	0.037	0.0401	0.0432	0.0405	0.0485	0.045	0.0455	0.0458	0.0463	0.043	0.039	0.0401	0.041
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	91.8	55.8	72	86.5	90	82.9	94.3	87.3	93.6	93.5	80.2	87	92	50.1	49
	Chloride	NT	NT	NT	235	74.5	205	216	246	244	265	255	268	260	240	254	272	136	132
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	ND	ND	ND
	Cobalt	0.0027	ND	ND	ND	0.0059	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	17.8	6.1	9.7	16.5	10	16.9	15	17.3	12.8	18.2	21.3	16.6	20.2	ND	ND
	Copper	0.0092	0.0116	ND	0.0058	0.0128	0.0078	ND	ND	0.0059	ND	0.0116	0.0055	ND	ND	0.002	ND	ND	ND
	Hardness	NT	NT	NT	420	205	350	390	424	408	436	420	448	450	416	434	436	252	226
	Iron	NT	NT	NT	0.239	ND	0.5	0.819	0.538	0.458	0.576	0.615	0.43	0.533	0.52	ND	ND	0.284	0.409
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	51.2	21.7	41.6	49.3	52.5	48.3	50.2	48.9	51.9	52.9	46	50	53	21.9	22.2
	Manganese	NT	NT	NT	0.0592	0.753	0.0954	0.07	0.0716	0.0676	0.0891	0.0753	0.0704	0.0665	0.0762	0.094	0.054	0.153	0.202
	Mercury	0.0005	0.0004	0.0009	0.001	0.0003	0.0005	0.0008	0.0006	0.0011	0.0012	0.0007	0.0007	0.0008	0.0007	0.001	0.0008	ND	ND
	Nickel	0.0043	0.0041	ND	0.006	0.0099	ND	ND	ND	ND	0.0053	ND	0.0066	ND	ND	0.009	ND	0.0054	0.0053
	Nitrate	NT	NT	NT	0.8907	ND	0.9	0.902	0.891	0.97	0.97	1	1	0.97	0.942	1.01	1.03	0.364	0.343
	pH	NT	NT	NT	6.51	5.94			5.6	5.86	5.81	6.05	5.7	5.94	6.05	6.34	5.77	6.04	5.95
	Potassium	NT	NT	NT	2.66	7.32	2.56	2.3	2.44	2.45	2.8	3.12	2.55	2.45	2.25	2.4	2.5	2.76	3
	Selenium	0.0032	ND	ND	0.0083	ND	0.0064	0.0095	0.0094	0.0059	0.0084	0.0087	0.0089	0.0069	0.0093	0.011	0.013	0.0045	0.0046
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	30.2	23.8	26.1	25.6	26.3	28.6	24.8	27.1	24.9	26.1	24.2	24	27	16	16.4
	Spec. Cond.	NT	NT	NT	706.7	565.4			860.9	994.7	1082	1157	1016	996.9	909	856.8	1014	515.1	546
	Sulfate	NT	NT	NT	22.4	3.38	21.6	22.6	28	24.3	24.6	27.5	31	30.6	28.4	29.7	35.5	5.65	5.18
	TDS	NT	NT	NT	784	492	1176	796	872	748	856	718	774	590	752	606	583	ND	428
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	422	ND
	Turbidity	NT	NT	NT	0.317	6.85	1.55	0.579	NT	NT	NS	0	0.75	0.99	0	0	0	2.5	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	ND	ND	ND	ND	0.0136	0.0079	0.0052	ND	ND	0.0057	ND	0.0066	ND	0.0083	ND	ND	0.0052	0.0052

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB08	Alkalinity	NT	NT	NT	229	245	248	230	230	239	223	224	219	219	227	215	213	196	218
	Ammonia	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.387	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0822	0.0288	0.1309	0.137	0.126	0.118	0.116	0.128	0.129	0.129	0.132	0.126	0.125	0.132	0.13	0.13	0.138	0.146
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	63.5	71.1	65.9	62.7	67.1	70.8	68.2	66.6	65.3	54.3	57.1	64	64	58.4	64.6
	Chloride	NT	NT	NT	34.7	31.2	32.8	34.2	46.1	42.8	47.4	45.5	47.7	44.7	39.5	37.5	39.7	42.4	48.5
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.0034	ND	ND	0.0052	0.0064	0.0064	0.007	0.008	0.0079	0.0084	0.008	0.0065	0.0065	0.0069	ND	ND	0.0041	0.0057
	COD	NT	NT	NT	ND	4.9	ND	ND	ND	9.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	0.0045	0.008	ND	0.0043	0.0073	0.006	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hardness	NT	NT	NT	228	250	300	265	144	236	234	232	230	232	236	220	222	206	240
	Iron	NT	NT	NT	0.301	0.675	0.647	0.718	0.797	0.74	0.774	0.575	0.676	0.692	0.739	0.031	0.027	0.45	0.467
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	5.08	5.08	5.08	12.9	16.6	14.9	17	16.8	17.7	17	15.9	16.5	17.6	15.1	14	13	12.9	14.7
	Manganese	NT	NT	NT	6.29	7.07	7.18	6.56	7.228	6.84	7.26	6.89	6	5.84	6.26	5.2	4.9	4.89	5.21
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0039	ND	ND	0.0083	0.0081	0.0083	0.0077	0.0085	0.0088	0.0107	0.0111	0.0076	0.007	0.0089	0.0075	ND	0.0054	0.0084
	Nitrate	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	NT	NT	NT	7.04	5.41			5.85	6.22	6.04	6.54	6.18	6.18	6.62	7.07	6.49	6.56	6.29
	Potassium	NT	NT	NT	2.81	2.87	2.63	2.91	2.86	2.85	2.95	2.48	2.71	2.61	2.7	2.8	2.7	2.33	2.55
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	27.2	31.6	28	28.7	27.4	28	25.4	26.3	26.4	20.1	24	25	24	22.2	23.7
	Spec. Cond.	NT	NT	NT	523.1	528.2			476.3	559.9	566.8	603.6	516.5	499.8	491.3	406.8	506.9	450.1	505.2
	Sulfate	NT	NT	NT	7.54	4.91	4.83	ND	ND	4.76	4.11	5.27	5.68	5.8	4.32	7.65	6.7	9.5	7.2
	TDS	NT	NT	NT	284	340	384	280	344	348	352	270	392	322	322	352	209	ND	308
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	264	ND
	Turbidity	NT	NT	NT	0.266	0.77	0.485	0.735	NT	NT	NS	0	0	1.08	2.1	0	0.1	0	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	ND	ND	ND	ND	ND	ND	0.0077	0.0066	0.0061	0.0062	0.0057	0.0057	0.0067	0.0106	0.0059	ND	ND	0.0021

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB08A	Alkalinity	NT	NT	NT	228	233	226	220	218	221	216	219	214	218	219	221	221	210	226
	Ammonia	NT	NT	NT	ND	0.299	ND	ND	ND	ND	ND	ND	ND	0.222	0.247	ND	0.435	0.233	0.255
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	0.0023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0029	0.0026	0.0026	0.003
	Barium	0.0894	ND	0.0669	0.0815	0.0919	0.0779	0.099	0.0689	0.0735	0.068	0.0674	0.0648	0.0677	0.077	0.047	0.041	0.0697	0.0698
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	59.4	52.6	52.9	58.1	54.4	53.3	54.7	54.9	52.4	47.1	47.6	49	53	54.5	56.1
	Chloride	NT	NT	NT	67.4	39.9	58.2	45.4	63.3	55.5	65.4	63.8	68	59.9	50.4	60.8	70	67.6	72.5
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0047	ND	0.002	0.0027
	Cobalt	0.0094	ND	0.0167	0.0186	0.0135	0.0175	0.0146	0.0173	0.0171	0.0189	0.0189	0.0161	0.0153	0.0149	0.017	0.019	0.0157	0.0192
	COD	NT	NT	NT	ND	39.2	5.3	10.2	ND	8.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	0.0041	0.0061	ND	0.0051	0.0067	0.0061	0.006	ND	0.008	ND	ND	ND	ND	ND	0.0017	ND	ND	0.002
	Hardness	NT	NT	NT	570	330	300	370	190	252	240	230	240	236	218	264	250	230	256
	Iron	NT	NT	NT	3.85	3.33	3.35	3.69	3.05	3.44	3.93	3.38	3.94	3.06	3.31	4.4	5	3.87	3.82
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	23.2	19.2	19.3	20.3	22	21.8	21.8	21.8	21.6	17.9	18.7	21	23	21.2	22.5
	Manganese	NT	NT	NT	8.16	7.9	8.23	8.57	7.484	7.53	8.27	8.12	7.16	6.94	7.33	6.8	7.1	7.77	7.77
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0054	0.0095	ND	0.0095	0.0068	0.0079	0.0071	0.0075	0.0075	0.01	0.0097	0.0072	0.0066	0.0074	0.011	ND	0.0056	0.0084
	Nitrate	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	NT	NT	NT	6.65	5.49			5.96	6.07	5.87	6.39	6.01	6.11	6.47	6.61	6.07	6.25	6.02
	Potassium	NT	NT	NT	2.82	2.73	2.52	2.77	2.8	2.79	2.99	2.85	2.91	2.72	2.6	2.8	3	2.54	2.69
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0027
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	37	34.7	31.7	30.8	31.8	32.9	30.7	30.7	30.1	24.7	29.4	32	33	29.2	31.1
	Spec. Cond.	NT	NT	NT	579.9	541.9			502.5	579.1	600.1	649.1	547.9	536.7	503.4	468.1	616.8	545.4	580.6
	Sulfate	NT	NT	NT	3.85	3.04	5.74	ND	ND	ND	ND	ND	4.39	5.07	ND	ND	ND	ND	ND
	TDS	NT	NT	NT	352	336	384	340	1240	364	364	288	388	316	306	326	291	ND	290
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	317	ND
	Turbidity	NT	NT	NT	1.69	3.8	0.528	1.36	NT	NT	NS	0	0	1.39	0.9	1.5	0	0.3	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	ND	ND	ND	ND	ND	ND	0.0078	0.0068	0.0101	0.0075	0.006	0.007	0.0063	0.0091	0.0084	0.0077	0.0028	0.0044

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB10	Alkalinity	NT	NT	NT	110	83	134	116	122	119	133	116	139	116	132	116	136	114	132
	Ammonia	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0023	ND	ND
	Barium	0.0321	0.0416	0.0401	0.0468	0.049	0.0553	0.0531	0.0534	0.0569	0.0573	0.0562	0.0763	0.0622	0.0699	0.047	0.064	0.0591	0.0769
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	38.6	37.7	43.4	39.8	45.8	48.1	50.1	45	55.8	53.3	56.6	62	67	59.7	64.3
	Chloride	NT	NT	NT	82.4	53.3	83.6	89	94.1	100	121	120	136	144	159	147	185	179	187
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	0.0022	ND	ND	0.0029	ND	0.0059	ND	ND	0.0052	0.0081	0.0067	0.0084	0.0062	0.0078	0.0053	0.0091	0.0055	0.009
	COD	NT	NT	NT	ND	7.5	10.3	ND	ND	7.5	ND	ND	ND	ND	10.7	ND	12.2	ND	12
	Copper	0.0041	0.0066	0.0063	0.006	0.0179	0.0057	ND	ND	ND	ND	0.0109	ND	ND	ND	ND	ND	ND	ND
	Hardness	NT	NT	NT	160	161	230	230	226	210	244	234	278	256	292	276	332	294	368
	Iron	NT	NT	NT	0.598	1.9	1.28	0.783	1.12	0.975	1.63	1.14	1.75	1.14	1.58	0.4	1.3	0.971	1.45
	Lead	ND	ND	ND	ND	0.0085	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	19.4	18.1	24	24.9	27.8	25.8	28.1	25.1	34.4	30.3	32.5	34	40	33.7	36.2
	Manganese	NT	NT	NT	2.63	1.31	3.47	2.68	3.03	3.15	4.31	3.66	5.2	3.96	5.01	3.7	5.8	4.68	6.57
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0049	0.0061	0.0049	0.0079	0.0104	0.0079	0.0063	0.0068	0.0089	0.0115	0.0107	0.0113	0.0083	0.0101	0.011	ND	0.0082	0.0111
	Nitrate	NT	NT	NT	ND	ND	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	NT	NT	NT	6.3	5.98			5.8	6.05	5.49	6.2	6.12	6.03	6.32	6.09	5.85	5.97	5.76
	Potassium	NT	NT	NT	2.81	2.94	2.65	3.28	3	3.02	3.32	3.44	2.98	3.09	3.29	3.4	3.6	3.42	3.13
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.004	0.0041
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	19	20.3	20.3	18.4	19.6	18.2	18.3	19.8	20.8	19.6	21	21	23	20.4	21.5
	Spec. Cond.	NT	NT	NT	413.6	423.9			446.8	544.8	623.9	654	636.8	596.2	663.6	589.7	787.5	671	765.7
	Sulfate	NT	NT	NT	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	TDS	NT	NT	NT	368	364	552	456	492	480	396	440	434	340	466	424	523	ND	579
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	399	ND
	Turbidity	NT	NT	NT	2.09	21.1	1.16	0.443	NT	NT	NS	0	0	0	0.3	0	0	0	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0087	ND	0.0107	ND	0.0226	0.006	0.0057	0.007	0.0066	0.0071	0.0056	0.0081	0.0067	0.0086	ND	ND	0.0021	0.0022

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Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB102	Alkalinity	NT	NT	NT	1140	960	1100	1008	1000	1056	1060	1110	1080	980	1000	1040	1100	1160	2180
	Ammonia	NT	NT	NT	11.2	12.4	8.98	11.1	11.1	11.6	12	14	13.3	13.5	12.3	14.6	15.8	16.1	18.3
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0063	0.0061	ND	0.0065	ND	0.0068	0.0061	0.0058	ND	ND	**0.0112**	0.0052	ND	0.005	0.0083	**0.012**	ND	0.0046
	Barium	0.3156	0.3331	0.4215	0.385	0.374	0.342	0.349	0.344	0.355	0.349	0.404	0.347	0.367	0.366	0.35	0.35	0.407	0.375
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0007	ND	ND	ND
	Calcium	NT	NT	NT	116	113	114	124	119.7	115	120	118	116	116	109	120	120	113	100
	Chloride	NT	NT	NT	560	128	577	578	564	602	588	558	543	519	520	563	551	560	528
	Chromium	0.0033	0.0088	ND	0.0105	0.0102	ND	ND	ND	ND	0.0062	0.014	ND	ND	ND	ND	ND	ND	0.0026
	Cobalt	0.0821	0.0876	0.085	0.0925	0.089	0.0842	0.0764	0.0724	0.0734	0.0729	0.0852	0.0704	0.0695	0.0686	0.074	0.073	0.0744	0.0677
	COD	NT	NT	NT	262	250	252	235	237	227	242	235	126	176	147	87	120	210	146
	Copper	0.0638	0.088	0.1301	0.136	0.0793	0.0908	0.0483	0.0449	0.0505	0.0485	0.071	0.0709	0.0616	0.05	0.041	0.038	0.0448	0.0428
	Hardness	NT	NT	NT	810	158	900	775	701	640	700	686	696	710	684	724	700	660	620
	Iron	NT	NT	NT	8.95	9.66	3.55	1.69	0.798	0.945	1.01	1.93	2.03	3.64	1.99	0.35	0.24	0.967	1.17
	Lead	ND	0.0055	ND	0.0043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	94.8	98.7	94.3	102	98.4	97.4	97.4	104	96.9	99.2	89.73	96	100	106	86.4
	Manganese	NT	NT	NT	22.2	20.7	21.8	23.5	20.9	21.2	21.7	20.2	20.1	18.8	18	19	19	17.3	15.5
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0908	0.0871	0.1029	0.118	0.0966	0.101	0.092	0.0909	0.0925	0.0962	0.113	0.0907	0.0903	0.0884	0.1	0.091	0.101	0.0903
	Nitrate	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	NT	NT	NT	6.26	5.95			6.42	6.64	6.29	6.86	6.41	6.8	6.74	7.07	6.54	6.80	6.76
	Potassium	NT	NT	NT	37.2	41.7	37.8	39.8	40.4	39.9	41.4	47.4	46.7	44.9	43	51	51	49.5	45.6
	Selenium	0.0186	0.0152	0.0167	0.0256	0.0134	0.0256	0.0237	0.0224	0.017	0.0176	0.0411	0.0188	0.0162	0.0197	0.021	0.032	0.0165	0.0159
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	613	549	500	561	550	532	586	558	483	523	504	490	510	562	483
	Spec. Cond.	NT	NT	NT	3522	3493			3010	3558	3612	3298	3303	3270	3129	1902	3390	3339	3436
	Sulfate	NT	NT	NT	71.9	71.5	57.4	74.3	74.4	55.4	55.2	48.1	44.7	45	69.4	65.3	64.9	51.9	48
	TDS	NT	NT	NT	2120	2172	2252	2308	2244	2268	2236	2146	2158	2122	2098	2066	2099	ND	2100
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2220	ND
	Turbidity	NT	NT	NT	191	202	71.4	23.7	NT	NT	NS	58.9	84.5	79.5	19.9	15.4	8.5	6.5	13.70
	Vanadium	ND	0.0105	ND	0.0104	0.0124	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0248	0.0424	0.0776	0.0464	0.0402	0.0224	0.0135	0.0127	0.013	0.0129	0.0206	0.0196	0.0231	0.0194	0.011	0.011	0.0119	0.0074

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB105	Alkalinity	NT	NT	NT	810	1710	600	728	494	51	522	770	50	774	645	1250	1100	1040	870
	Ammonia	NT	NT	NT	12.4	61.8	5.02	25.1	4.4	16.3	3.48	13.1	4.61	19.3	6.8	42.5	29.1	29.7	24
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0064	0.0044	ND	**0.012**	0.005	**0.0109**	ND	ND	**0.0147**	**0.009**	0.0094	0.0058	ND	ND	0.007	0.0061	ND	0.0035
	Barium	0.256	0.1682	0.466	0.304	0.408	0.258	0.218	0.157	0.601	0.138	0.233	0.144	0.277	0.337	0.39	0.28	0.381	0.245
	Beryllium	ND	ND	ND	0.0026	ND	ND	ND	ND	**0.0112**	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	0.0047	ND	ND	ND	ND	**0.0109**	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	156	124	165	92.2	170	160	167	168	169	147	166	140	150	180	136
	Chloride	NT	NT	NT	328	265	334	219	309	356	337	334	318	307	336	339	320	340	308
	Chromium	0.0044	ND	ND	0.0717	0.0075	0.0808	0.0106	0.0184	**0.166**	**0.0236**	0.0434	0.0235	0.0213	0.0574	0.0087	ND	ND	0.0065
	Cobalt	0.012	0.0077	0.0108	0.101	0.0129	0.196	0.0202	0.0345	0.2	0.0316	0.054	0.0306	0.0214	0.0436	0.019	0.011	0.0129	0.0105
	COD	NT	NT	NT	173	258	207	92.4	83.4	140	61.5	93.4	56.2	102	75.3	135	121	122	112
	Copper	0.0184	0.012	0.0134	0.112	0.0218	0.173	0.0277	0.0237	0.293	0.0417	0.0906	0.0415	0.0321	0.0958	0.021	ND	0.015	0.0159
	Hardness	NT	NT	NT	900	870	950	576	866	960	908	924	940	900	924	424	860	890	660
	Iron	NT	NT	NT	85.3	31.2	110	17.1	19.96	253	26.7	50.7	24.7	27.2	75.4	27	14	20.9	13.1
	Lead	0.0021	ND	ND	**0.0268**	ND	**0.0332**	ND	0.015	**0.0726**	**0.0155**	**0.0164**	0.0104	0.0075	**0.028**	**0.0037**	ND	ND	0.0035
	Magnesium	NT	NT	NT	129	152	132	96.5	132	168	116	139	127	128	137	150	130	143	115
	Manganese	NT	NT	NT	3.58	1.97	3.76	1.68	2.66	6.03	3.07	4.65	3.53	1.91	5.17	3.1	4.4	3.54	2.76
	Mercury	ND	ND	ND	**0.0038**	ND	**0.003**	0.0003	0.001	**0.0065**	**0.0017**	0.0008	0.001	0.0006	**0.0044**	**0.0003**	ND	ND	ND
	Nickel	0.0142	0.0143	0.0116	0.174	0.0164	0.228	0.0258	0.053	0.283	0.0691	0.0994	0.0734	0.0508	0.0915	0.0037	0.01	0.0211	0.0252
	Nitrate	NT	NT	NT	ND	ND	ND	0.99	ND	ND	ND	ND	ND	ND	ND	ND	0.269	ND	ND
	pH	NT	NT	NT	6.81	6.33			6.18	6.55	5.75	6.61	6.34	6.69	6.83	7	6.68	6.80	6.57
	Potassium	NT	NT	NT	35.7	136	19.3	61.3	15	58.6	12.9	33.3	15.4	51.5	23.4	89	65	69.3	51.4
	Selenium	0.0119	0.01	0.013	0.0193	0.0091	0.0214	0.0102	0.0098	0.0198	0.0225	0.0276	0.0157	0.0169	0.0144	0.013	0.016	0.0111	0.0096
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	286	468	174	202	183.57	226	167	279	184	224		320	300	304	233
	Spec. Cond.	NT	NT	NT	3384	3886			1963	3025	2414	2960	2224	2477	2473	2920	2099	2888	2561
	Sulfate	NT	NT	NT	346	105	309	139	314	312	289	240	299	267	287	137	190	189	208
	TDS	NT	NT	NT	1736	2400	1876	1320	1872	1776	1628	1784	1606	1600	1608	1792	1747	ND	1620
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65	ND	ND	ND	1770	ND
	Turbidity	NT	NT	NT	1215	338	3430	240	NT	NT	NS	1721	728	ND	1070	258.3	39.8	314.5	143.00
	Vanadium	0.0042	ND	ND	0.0789	0.0096	0.136	0.0194	0.0331	0.363	0.0492	0.0811	0.0362	ND	0.0896	0.016	ND	ND	0.0098
	Zinc	0.1131	0.0352	0.0501	0.556	0.031	0.765	0.153	0.15	0.975	0.252	0.263	0.157	ND	0.391	0.076	0.085	0.0379	0.0599

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Metals and Other Water Quality Parameters - Long Term Summary

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB11	Alkalinity	NT	NT	NT	201	165	200	211	215	217	219	221	228	0.0483	283	202	218	214	228
	Ammonia	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45.6	ND	0.002	0.0021	ND	ND
	Barium	0.0267	0.0331	0.0286	0.0272	0.0515	0.0261	0.0301	0.0292	0.0295	0.0282	0.0299	0.0289	147	0.0323	0.023	0.024	0.0254	0.0257
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	**0.0088**	**0.0058**	**0.009**	**0.01**	**0.0101**	**0.0104**	**0.0104**	**0.011**	**0.0103**	ND	**0.011**	**0.012**	**0.011**	**0.0112**	0.0107
	Calcium	NT	NT	NT	126	108	133	134	132.3	132	133	132	135	ND	138	130	140	132	130
	Chloride	NT	NT	NT	330	393	358	259	371	407	398	397	392	ND	417	394	426	438	424
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	206	ND	0.0051	0.0056	0.0048	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.92	ND	ND	ND	ND	ND
	COD	NT	NT	NT	27.5	28.2	29	32.5	22.4	32.8	24	37.8	22.5	ND	37.5	29.3	25.3	30.4	30.3
	Copper	0.0063	0.0062	ND	0.0083	0.0072	0.0112	0.0078	0.0064	0.0089	0.0081	0.0153	0.0083	25	0.0074	0.0036	ND	0.0031	0.004
	Hardness	NT	NT	NT	550	510	600	563	581	596	592	576	606	0.257	606	650	650	650	72
	Iron	NT	NT	NT	0.454	0.84	1.22	1.27	0.738	0.726	0.656	0.674	0.638	ND	0.741	ND	ND	0.992	0.969
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	60.1	59.1	67.9	66.6	66.6	67.4	64.4	68.9	67	0.463	70.2	76	73	72.2	71.8
	Manganese	NT	NT	NT	0.862	0.7	0.884	0.869	0.768	0.758	0.858	0.793	0.76	6.03	0.858	0.86	0.89	0.829	0.948
	Mercury	**0.0022**	0.0005	0.0019	**0.0022**	0.0019	**0.0025**	0.0017	0.001	0.001	0.0012	0.0014	0.0011	3.03	0.0014	0.0028	0.0019	0.0011	0.0008
	Nickel	0.0249	0.0207	0.0275	0.0361	0.0216	0.0375	0.0331	0.0333	0.0339	0.0411	0.0354	0.033	ND	0.0356	0.04	0.034	0.0308	0.0316
	Nitrate	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	NT	NT	NT	5.69	5.03			5.35	5.41	5.31	5.81	5.41	30.3	5.77	6.16	5.67	5.73	5.46
	Potassium	NT	NT	NT	4.56	8.25	4.9	4.82	4.7	5.13	5.19	5.45	5.17	548.7	4.71	5.3	5.6	4.65	4.79
	Selenium	0.0029	ND	ND	0.0049	ND	0.0078	0.0061	0.0057	ND	0.011	0.0067	0.0055	4.73	0.0068	0.0054	0.0082	0.0069	0.0059
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	320	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	56.7	59.9	68.8	67.9	68.5	68	68	75.8	71.3	ND	77.7	77	82	78.2	81.1
	Spec. Cond.	NT	NT	NT	1339	1340			1302	1559	1601	1774	1539	132.6	1627	1352	1611	1538	1637
	Sulfate	NT	NT	NT	8.96	8.47	9.53	9.48	10.2	11.2	10.3	10.5	12.2	ND	11.7	10.7	9.58	11.4	12.9
	TDS	NT	NT	NT	1208	1152	1416	1116	1036	1404	1212	1018	1122	0.0103	1074	920	983	ND	982
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	960	ND
	Turbidity	Nt	Nt	Nt	1.16	3.65	5.75	0.733	NT	NT	NS	0	0	1.51	0.3	0	1.91	7.2	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.038	0.0508	0.0508	0.0432	0.0309	0.0426	0.043	0.042	0.0453	0.0462	0.0442	0.0413	0.0441	0.0418	0.044	0.042	0.0362	0.0324

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Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB11A	Alkalinity	NT	NT	NT	270	282	280	292	285	279	288	298	302	295	49	285	333	316	351
	Ammonia	NT	NT	NT	0.222	0.817	1.7	2.11	1.59	1.11	1.25	1.79	1.18	1.99	1	0.356	0.423	0.305	0.371
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0031	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0022	0.0035	0.0022	ND
	Barium	0.1441	0.1335	0.1616	0.151	0.174	0.182	0.957	0.166	0.183	0.165	0.191	0.165	0.206	0.185	0.18	0.15	0.193	0.179
	Beryllium	ND	ND	ND	ND	ND	ND	**0.0102**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	0.0025	**0.0101**	ND	**0.0059**	ND	ND	ND	ND	ND	ND	ND	0.0026	0.002	0.002	ND
	Calcium	NT	NT	NT	99	92.5	89.8	84.7	93.5	93.4	91.4	85.3	99.6	79.6	97.3	100	120	110	113
	Chloride	NT	NT	NT	310	262	290	211	297	300	312	282	327	266	329	325	425	401	387
	Chromium	ND	ND	0.0102	ND	ND	ND	0.0321	ND	ND	ND	ND	ND	ND	ND	0.021	ND	0.0044	ND
	Cobalt	0.0361	0.0332	0.0204	0.036	0.0777	0.0337	0.144	0.025	0.025	0.0271	0.024	0.0256	0.0235	0.0246	0.025	0.032	0.0271	0.0302
	COD	NT	NT	NT	30.8	32.3	30	33.7	21.6	30.4	17.8	26.5	23.1	20.6	29.4	31.3	35.1	31.8	34.4
	Copper	0.0088	0.0109	0.0119	0.0103	0.0209	0.0102	0.17	0.0057	0.0057	0.0065	0.0143	0.0065	0.0058	0.0067	0.0048	ND	0.0037	0.0038
	Hardness	NT	NT	NT	540	500	660	524	598	500	508	466	516	456	544	300	660	600	584
	Iron	NT	NT	NT	1.61	4.65	1.33	48.4	1.01	1.05	1.07	1.08	1.19	0.929	1.13	0.91	0.82	1.68	1.59
	Lead	ND	ND	ND	ND	0.0059	ND	**0.0723**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	69.2	64.2	67	55	68.6	69.9	64.8	65.7	70.6	57.4	69.1	76	84	77.6	80
	Manganese	NT	NT	NT	5.23	7.39	6.38	13.1	5.83	6.29	6.14	6.82	7.21	6.8	7.37	7.8	8.6	8.92	9.25
	Mercury	0.0008	0.0005	0.0009	ND	**0.0023**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0003	ND	ND	ND
	Nickel	0.0285	0.0269	0.0376	0.0299	0.0306	0.0232	0.0701	0.0222	0.0192	0.0266	0.0203	0.0236	0.0179	0.0225	0.04	0.026	0.024	0.0264
	Nitrate	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	NT	NT	NT	6.01	5.28			5.49	5.59	5.36	6	5.61	5.71	5.94	6.42	5.83	5.97	5.66
	Potassium	NT	NT	NT	5.71	7.17	6.81	13.7	6.83	6.41	6.84	7.39	6.78	6.79	5.83	5.9	6.4	4.64	5.37
	Selenium	0.0022	ND	ND	0.0048	ND	0.0062	0.0185	ND	ND	0.0071	ND	ND	ND	0.0054	ND	0.0094	0.0062	0.0055
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	107	97.5	101	38.5	99.8	99.4	95.1	99.5	102	83	99.7	95	120	106	111
	Spec. Cond.	NT	NT	NT	1444	1363			1227	1405	1499	1552	1481	1274	1510	1276	1873	1580	1686
	Sulfate	NT	NT	NT	12.6	14.9	18.4	17	15	15.8	15.7	16.6	15.7	20	15.4	12.5	8.49	12.2	12.2
	TDS	NT	NT	NT	1192	1032	1068	908	304	1048	904	830	936	1016	854	908	969	ND	989
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	884	ND
	Turbidity	Nt	Nt	Nt	1.97	19.4	3.31	0.83	NT	NT	NS	0	0	4.13	0	0	0	1.7	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	0.0919	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.025	0.0305	0.0305	0.0249	0.025	0.0218	0.267	0.021	0.0211	0.0223	0.0206	0.0192	0.0222	0.0189	0.022	0.019	0.0169	0.0141

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Monitoring Location OB12	Alkalinity	NT	NT	NT	110	100	108	44	106	116	113	119	126	123	138	125	132	122	129
	Ammonia	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0228	ND	0.0298	0.0186	0.0211	0.0153	0.0211	0.0173	0.0174	0.018	0.0194	0.0178	0.0206	0.0215	0.014	0.014	0.0152	0.0149
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	33.3	39	32.3	34.1	33	38.3	26.5	36.7	33.8	35	36.5	39	39	38.8	39.6
	Chloride	NT	NT	NT	69.9	83.9	65.8	80.1	62.7	76.9	66.4	79	70.5	77.9	77.4	80.7	80	84.6	84.3
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0022	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	ND	12.1	7.4	6.9	ND	8.1	ND	21	ND	ND	ND	ND	10.8	ND	ND
	Copper	0.0055	0.007	ND	0.0061	0.0062	0.0068	ND	ND	0.0051	ND	0.0102	ND	ND	ND	ND	ND	ND	ND
	Hardness	NT	NT	NT	165	189	162	182	153	194	160	178	178	200	208	202	182	188	218
	Iron	NT	NT	NT	0.368	ND	0.228	ND	ND	ND	ND	0.2	ND	0.208	0.234	ND	ND	0.22	0.216
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	19.7	23.4	19.8	27	20.6	24.5	16.1	23.4	20.2	21.4	22.5	25	23	24.4	24.9
	Manganese	NT	NT	NT	0.102	0.131	0.107	0.106	0.108	0.114	0.119	0.105	0.118	0.115	0.129	0.1	0.14	0.103	0.135
	Mercury	0.0007	ND	ND	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0064	0.0066	ND	0.0089	0.0101	0.0102	0.0084	0.0065	0.0091	0.0086	0.0079	0.0069	0.0076	0.0092	0.0088	ND	0.0073	0.0069
	Nitrate	NT	NT	NT	1.622	2.25	1.377	1.59	1.14	1.26	0.99	1.02	0.87	0.83	0.695	0.74	0.803	0.588	0.575
	pH	NT	NT	NT	5.84	6.14			5.46	5.51	5.29	5.81	5.53	5.56	5.92	5.81	5.8	5.64	5.69
	Potassium	NT	NT	NT	3	3.04	2.32	3.24	2.69	3.26	2.97	3.33	2.88	2.89	2.51	3.1	2.6	2.45	2.63
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	24.5	27.8	25.4	27.9	22.8	30	18.2	28.4	21.2	22	25.1	27	25	25.2	26.2
	Spec. Cond.	NT	NT	NT	481.7	511.8			421.1	497.1	417.9	545.7	436.3	469.9	481.6	444.7	484	471.2	501
	Sulfate	NT	NT	NT	7.14	14.9	7.13	4.78	5.57	12	4.58	13.4	5.79	14.4	11.6	16	5.91	13.6	9.02
	TDS	NT	NT	NT	308	400	408	120	296	340	312	236	364	308	292	338	229	ND	294
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	316	ND
	Turbidity	NT	NT	NT	2.49	5.15	0.328	0.167	NT	NT	NS	0	1.26	1.36	0.9	0	0.23	0	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0222	0.0236	0.0125	ND	0.0134	0.0077	0.0077	0.0063	0.0053	0.0082	0.0051	0.0059	0.0084	0.0096	ND	ND	ND	ND

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB15	Alkalinity	NT	NT	NT	242	93	230	74	228	51	226	33	151	29	91	33	88	36	151
	Ammonia	NT	NT	NT	0.646	0.228	0.29	ND	0.307	ND	0.274	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	0.0069	ND	ND	ND	ND	ND	0.007	ND	ND	ND	ND	ND	0.0011	ND	ND
	Barium	0.0856	0.1015	0.0881	0.119	0.0902	0.0785	0.0857	0.0919	0.0722	0.0923	0.0709	0.0624	0.0635	0.0944	0.051	0.063	0.0656	0.0704
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0013	ND	ND
	Cadmium	NT	NT	NT	0.0042	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	29.5	20.3	18	14.8	21.6	16.5	18.3	12.9	16.8	12	11.6	9.5	10	13.3	12.4
	Chloride	NT	NT	NT	3.16	3.48	7.73	4.61	10	3.95	11.9	4.73	10.8	4.04	10.3	5.96	9.01	7.14	12.3
	Chromium	ND	ND	ND	0.019	ND	ND	0.0053	ND	ND	0.0114	ND	ND	ND	0.0096	ND	ND	ND	ND
	Cobalt	0.0095	ND	0.0134	0.0273	0.0099	ND	0.0072	0.0062	ND	0.0165	ND	0.0116	ND	0.0174	ND	0.0092	ND	0.0104
	COD	NT	NT	NT	49.3	11.1	11.2	ND	27.3	ND	17.8	ND	ND	ND	11.4	ND	ND	ND	ND
	Copper	0.0067	0.0059	ND	0.0475	0.0103	0.0083	0.0119	0.0094	0.0066	0.0408	0.01	0.0059	0.0069	0.0281	0.0018	ND	ND	0.0056
	Hardness	NT	NT	NT	600	270	165	114	156	140	120	94	120	96	102	112	320	92	140
	Iron	NT	NT	NT	54.9	16	27.3	9.24	39.4	6.6	47.8	2.85	17.3	1.98	52.5	1.9	24	1.69	22.4
	Lead	ND	ND	ND	**0.017**	ND	ND	ND	ND	ND	0.0079	ND	ND	ND	0.0082	ND	0.0015	ND	ND
	Magnesium	NT	NT	NT	23.2	24.5	17.4	22	21.6	21.3	17.4	16	17.3	14.5	14.5	15	14	19.5	15.9
	Manganese	NT	NT	NT	5.73	4.5	3.87	1.78	3.27	1.28	2.5	0.163	1.1	0.13	0.639	0.028	0.49	0.0851	0.816
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0084	0.0072	0.0157	0.0473	0.0178	0.0098	0.0149	0.006	0.015	0.0235	0.0141	0.008	0.0115	0.0214	0.0061	ND	0.0119	0.013
	Nitrate	NT	NT	NT	ND	ND	0.008	ND	ND	ND	ND	0.292	ND	0.678	ND	1.78	ND	5.185	ND
	pH	NT	NT	NT	6.01	6.62			6.15	5.5	5.7	5.78	NM	5.4	6.03	6.26	6.04	5.98	5.84
	Potassium	NT	NT	NT	3.15	2.3	2.18	2.29	2.46	2.12	2.32	2.04	2.07	1.84	1.8	1.7	1.9	1.82	1.74
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	35	14.5	53.3	36.1	59.1	29.2	62.5	26.1	50.6	17.3	30.6	20	34	22	42.4
	Spec. Cond.	NT	NT	NT	576.4	368.7			535.4	323.1	521.8	329	NM	236.8	248.6	202.3	324.7	253.7	323.4
	Sulfate	NT	NT	NT	78.6	78.1	56.5	78.9	49.2	93.2	37.9	92.8	63.3	91.8	69.1	79	64.2	60.6	65.1
	TDS	NT	NT	NT	328	252	324	420	528	272	308	184	244	164	198	192	133	ND	219
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	168	ND
	Turbidity	NT	NT	NT	125	53.8	25.4	96.8	NT	NT	NS	46.8	NM	33	48.1	22.1	31.6	22.9	32.30
	Vanadium	ND	ND	ND	0.0052	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.021	0.0955	0.0955	0.698	0.0329	0.0212	0.0544	0.0668	0.0966	0.397	0.136	0.0516	0.0723	0.183	0.034	0.083	0.0434	0.0866

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Metals and Other Water Quality Parameters - Long Term Summary

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location OB25	Alkalinity	NT	NT	NT	423	416	472	282	267	249	374	268	387	194	287	316	323	307	330
	Ammonia	NT	NT	NT	1.57	0.771	3.69	0.629	1.91	0.731	2.31	ND	2.94	ND	0.95	ND	0.539	1.81	2.82
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0212**	**ND**	ND	ND	ND
	Arsenic	0.0024	ND	ND	0.0037	**0.012**	ND	ND	ND	ND	ND	ND	ND	ND	**0.0263**	**ND**	ND	ND	ND
	Barium	0.1388	0.1179	0.1126	1.31	0.445	0.192	0.195	0.163	0.146	0.631	0.0769	0.175	0.0539	0.624	0.071	0.07	0.22	0.144
	Beryllium	ND	ND	ND	**0.0137**	**0.0057**	ND	ND	ND	ND	0.0062	ND	ND	ND	**0.116**	**ND**	ND	ND	ND
	Cadmium	NT	NT	NT	**0.0174**	**0.0072**	ND	ND	ND	ND	ND	ND	ND	ND	**0.115**	**ND**	ND	ND	ND
	Calcium	NT	NT	NT	111	89.9	90.2	92.7	65.1	73.3	89.5	56.2	91.2	39.6	61.9	81	83	86.1	71.7
	Chloride	NT	NT	NT	156	183	173	62.3	86.6	73.5	158	59.5	175	34.8	80.2	147	168	195	191
	Chromium	0.0089	ND	ND	**0.105**	**0.141**	0.0193	ND	ND	0.0297	0.0174	0.0081	0.0117	0.006	**0.305**	**0.0082**	ND	0.0071	ND
	Cobalt	0.0329	0.027	0.0241	0.418	0.272	0.0532	0.0244	0.0285	0.0393	0.122	0.0067	0.0373	ND	0.336	0.009	0.009	0.0501	0.0339
	COD	NT	NT	NT	1080	79.4	90	107	19.6	18.6	23.5	21.6	17.2	ND	28.6	20	17.8	19.1	24.1
	Copper	0.0146	0.0065	ND	0.364	0.188	0.0302	0.0062	0.0168	0.0374	0.143	0.0194	0.0153	0.008	0.337	0.0042	ND	0.0122	0.0037
	Hardness	NT	NT	NT	740	520	750	450	292	356	500	316	490	238	354	440	460	428	292
	Iron	NT	NT	NT	239	210	29.9	1.32	5.73	31.7	25.9	4.68	17	3.1	163	0.79	0.5	7.64	3.94
	Lead	0.0026	ND	ND	**0.148**	**0.0358**	ND	ND	0.0137	0.0077	0.0269	ND	ND	ND	**0.122**	**ND**	ND	ND	ND
	Magnesium	NT	NT	NT	82.8	109	71.6	70.2	44.2	57.7	62.4	41.5	69	27	90.3	59	58	62.6	52.4
	Manganese	NT	NT	NT	55.8	33.5	24.2	6.86	10.52	7.21	20.7	0.818	18.2	0.21	12.8	14	16	20.3	21.7
	Mercury	ND	ND	ND	0.0003	ND	ND	0.0014	ND	0.0013	0.0005	ND	0.0002	ND	0.0002	ND	ND	ND	ND
	Nickel	0.0215	0.0128	0.0127	0.226	0.281	0.0506	0.0183	0.0128	0.0467	0.062	0.0129	0.0256	0.0089	0.4	0.022	0.015	0.0334	0.0167
	Nitrate	NT	NT	NT	0.6782	2.31	ND	1.33	ND	ND	ND	0.606	ND	2.13	0.756	2.22	1.93	0.731	ND
	pH	NT	NT	NT	6.19	5.51			8.7	7	5.98	7.16	6.12	6.86	6.89	6.83	6.23	6.42	6.09
	Potassium	NT	NT	NT	17.6	15.9	16.6	7.24	14.3	10.7	16.8	9.22	16.4	6.49	13.2	14	14	14.2	13.5
	Selenium	ND	ND	ND	0.0364	0.0172	0.0059	ND	ND	0.0052	0.0088	ND	ND	ND	0.0411	ND	ND	0.0054	0.0027
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0991	ND	ND	ND	ND
	Sodium	NT	NT	NT	84	76.6	88.9	100	54.3	43.9	69	39	83.5	20.4	38.4	66	70	77.9	69.8
	Spec. Cond.	NT	NT	NT	1301	1340			NT	627.7	931.1	394.5	807.1	491.2	544	959.8	356.3	1075	1178
	Sulfate	NT	NT	NT	71.8	75.3	67	32.1	39.7	44.1	61.8	39.6	65	32.6	37.2	47.5	47.2	51.4	45.4
	TDS	NT	NT	NT	888	916	916	532	252	568	756	454	838	324	516	666	593	ND	681
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0778	ND	ND	694	ND
	Turbidity	NT	NT	NT	10100	3870	357	15050	NT	NT	NS	51	153	65	37.6	14.4	14	45.7	22.70
	Vanadium	0.0087	ND	ND	0.156	0.129	0.0141	ND	0.0077	0.0236	0.0452	0.0077	0.01	ND	0.261	ND	ND	0.0051	ND
	Zinc	NT	NT	NT	3.95	1.09	0.109	0.0216	0.0256	0.112	0.13	0.0196	0.04	0.015	0.962	0.0085	0.0096	0.0415	0.0121

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Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location ST15	Alkalinity	NT	NT	NT	80	115	79	98	31	99	38	68	29	180	52	154	NT	136	100
	Ammonia	NT	NT	NT	ND	0.239	ND	ND	ND	ND	ND	ND	ND	0.895	ND	0.233	NT	ND	0.482
	Antimony	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
	Arsenic	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
	Barium	0.0454	NT	0.0786	0.0588	0.0596	0.0681	0.029	0.0197	0.0367	0.0197	0.063	0.0165	0.0888	0.0288	0.063	NT	0.0948	0.0409
	Beryllium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
	Calcium	NT	NT	NT	33.4	36.7	32.5	27.4	10.3	31.2	14.4	31.1	11.4	61.7	20.1	70	NT	60.3	29.5
	Chloride	NT	NT	NT	58.2	102	67.7	38.1	5.32	157	13.1	75.3	10.2	1090	30.7	806	NT	397	80.9
	Chromium	ND	NT	0.0041	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
	Cobalt	ND	NT	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
	COD	NT	NT	NT	ND	7.2	6.7	24.8	14.1	22.8	14.5	ND	ND	36.2	ND	35.5	NT	17.6	12.7
	Copper	0.005	NT	0.0139	0.0058	0.0085	0.0077	0.0062	ND	0.0081	ND	0.0058	ND	0.0089	ND	0.0062	NT	0.0056	ND
	Hardness	NT	NT	NT	160	180	160	95	29	122	48	124	36	252	74	246	NT	244	140
	Iron	NT	NT	NT	0.372	0.814	0.701	0.863	ND	0.846	0.68	0.454	0.345	ND	0.62	0.44	NT	0.825	2.17
	Lead	ND	NT	0.0032	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
	Magnesium	NT	NT	NT	13.7	17.6	15	8.5	2.23	12	3.73	16	3.01	20.3	5.93	19	NT	26.2	11.3
	Manganese	NT	NT	NT	0.101	0.294	0.19	0.109	0.0434	0.245	0.0766	0.155	0.0382	0.329	0.201	0.25	NT	0.482	0.738
	Mercury	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
	Nickel	0.0097	NT	0.0172	0.0083	0.0104	0.0078	0.0052	ND	0.0066	ND	0.0089	ND	0.0119	ND	0.013	NT	0.0129	ND
	Nitrate	NT	NT	NT	1.465	1.3279	1.3876	0.401	ND	0.799	ND	1.66	ND	1.6949	ND	1.14	NT	0.5244	ND
	pH	NT	NT	NT	7.39	7.19			7.34	7.55	6.19	6.46	6.83	6.64	6.61	8.01	NT	6.83	6.71
	Potassium	NT	NT	NT	2.59	3.08	2.58	3.48	2.15	4.16	1.48	2.11	1.14	6.83	1.63	7.7	NT	4.78	1.78
	Selenium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
	Silver	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
	Sodium	NT	NT	NT	24.5	59	24.8	28	4.33	108	7.36	29.1	7.17	607	12.3	450	NT	233	25.5
	Spec. Cond.	NT	NT	NT	386.7	538.8			82.1	703.9	118.1	526.3	93.3	3441	200	2406	NT	1331	367
	Sulfate	NT	NT	NT	20.7	15.6	25.5	7.19	4.42	8.46	ND	12.6	ND	25.3	4.59	20.9	NT	19.6	ND
	TDS	NT	NT	NT	280	368	404	204	1276	392	100	222	6	2028	134	1468	NT	ND	197
	Thallium	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	823	ND
	Turbidity	NT	NT	NT	3.04	5.24	6.06	25.6	NT	NT	NS	NS	6.2	16.4	NT	15.9	NT	3.9	3.80
	Vanadium	ND	NT	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
	Zinc	0.0296	NT	0.0536	0.0202	0.0243	0.0174	0.0131	0.0103	0.0155	0.0065	0.0207	0.005	0.0167	0.0058	0.019	NT	0.0104	0.0056

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Monitoring Location ST120	Alkalinity	NT	NT	NT	64	74	70	60	49	52	72	56	57	64	60	56	68	62	60
	Ammonia	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.244	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0433	0.0373	0.1051	0.0392	0.0544	0.0482	0.046	0.0357	0.0397	0.0423	0.0559	0.044	0.0927	0.0514	0.047	0.053	0.0667	0.0454
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	25.7	34	31.6	23.1	33.4	23.3	24.9	29.6	27.4	46.1	27.6	28	39	48.3	29.3
	Chloride	NT	NT	NT	NT	197	93.2	102	50.1	110	47	335	67.8	928	77.4	332	117	217	94.2
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	ND	7	11.1	15.1	11.9	9.7	ND	25.8	ND	14.3	22.8	ND	ND	ND	ND
	Copper	0.0094	0.0089	0.0152	0.0056	0.0105	0.0068	0.0052	0.0062	0.0091	ND	0.0151	ND	0.0084	ND	0.0031	ND	ND	ND
	Hardness	NT	NT	NT	340	150	180	113	73	98	100	130	120	208	130	138	174	160	188
	Iron	NT	NT	NT	0.525	1	0.705	0.661	0.75	0.474	0.704	0.639	0.579	0.876	1.03	0.47	0.32	0.602	0.447
	Lead	ND	ND	ND	ND	ND	ND	ND	0.0053	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	12.3	19.1	16.3	14.2	12.6	11.5	14.2	14.8	12.9	22.5	13.2	13	21	23.5	15.6
	Manganese	NT	NT	NT	0.0634	0.238	0.0817	0.126	0.051	0.0853	0.117	0.0907	0.0795	0.128	0.155	0.14	0.13	0.126	0.0591
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0078	0.006	0.0113	0.0066	0.0155	0.0066	0.0098	0.0074	0.0082	0.0059	0.0085	0.0065	0.0146	0.0055	ND	ND	0.0108	0.0031
	Nitrate	NT	NT	NT	1.029	1.2126	0.792	0.787	0.581	1.33	1.3	1.2	0.812	1.38	0.539	1.61	1.2	1.42	1.24
	pH	NT	NT	NT	7.41	5.96			6.98	7.38	6.68	7.35	7.4	7.34	6.62	7.64	6.8	7.39	7.21
	Potassium	NT	NT	NT	1.88	3	3.02	2.51	3.08	2.25	2.2	3.01	2.67	6.08	2.77	2.8	3	2.38	2.22
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	27.5	170	34	53.7	34.5	65.1	15.3	181	19.8	561	24.5	210	34	99.4	24.3
	Spec. Cond.	NT	NT	NT	370.8	1116			236.6	489.4	303.4	1297	340	2780	377.9	1092	519.6	755.1	432
	Sulfate	NT	NT	NT	7.6	17.2	13.5	7.5	6.45	7.76	5.56	7.85	8.37	24.8	8.87	14	10.2	13.1	10.4
	TDS	NT	NT	NT	244	720	376	372	208	284	228	660	272	1676	268	740	307	ND	268
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	434	ND
	Turbidity	NT	NT	NT	2.12	8.2	2.4	3.86	NT	NT	NS	5	ND	9.8	NT	5.8	NT	1.8	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	NT	NT	NT	ND	0.0124	ND	0.0089	0.0084	0.0106	ND	0.0075	0.0064	0.0157	0.0058	0.0084	ND	0.0086	ND

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location ST65	Alkalinity	NT	NT	NT	70	235	88	243	203	237	98	253	112	74	174	65	NT	68	NS
	Ammonia	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS
	Barium	0.038	0.0314	0.0447	0.0912	0.0566	0.0431	0.0556	0.079	0.0484	0.045	0.0644	0.044	0.0685	0.227	0.039	NT	0.0541	NS
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS
	Calcium	NT	NT	NT	18.1	40	34.3	33.9	34.2	30.6	34.3	34.6	40	37.6	23.5	23	NT	33.3	NS
	Chloride	NT	NT	NT	51.7	85.7	98.4	99.6	154	136	91.5	171	68.4	586	89.2	273	NT	192	NS
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0226	ND	NT	ND	NS
	Cobalt	ND	ND	ND	0.0137	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0387	ND	NT	ND	NS
	COD	NT	NT	NT	34.8	34.7	7.7	35.1	39.2	32.6	10.5	60.7	ND	18.6	110	10	NT	ND	NS
	Copper	0.0075	0.0069	0.0058	0.008	0.0097	0.0066	0.0067	0.0077	0.0077	ND	0.0168	ND	0.0055	0.0267	0.0035	NT	0.0023	NS
	Hardness	NT	NT	NT	100	222	170	180	174	178	150	196	170	174	158	120	NT	156	NS
	Iron	NT	NT	NT	10.1	0.529	0.286	0.657	0.613	0.507	0.548	0.39	0.294	0.491	17.8	0.57	NT	0.53	NS
	Lead	ND	ND	ND	0.0036	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0244**	**ND**	NT	ND	NS
	Magnesium	NT	NT	NT	10.6	30.7	18.4	26.9	23.7	29	17.4	28.3	19	20.1	19.5	12	NT	18.6	NS
	Manganese	NT	NT	NT	2.37	0.0486	0.0179	0.143	0.25	0.0864	0.0182	0.0287	0.0705	0.154	5.11	0.12	NT	0.139	NS
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS
	Nickel	0.0058	ND	0.0028	0.008	0.0102	ND	0.0095	0.0103	0.009	ND	0.0091	ND	0.009	0.0307	0.0085	NT	0.0069	NS
	Nitrate	NT	NT	NT	ND	0.7773	1.117	0.392	ND	0.621	0.654	ND	1.16	1.37	1.0775	1.15	NT	1.3	NS
	pH	NT	NT	NT	6.7	6.31			7.07	7.56	6.96	6.42	7.48	7.88	8.07	7.53	NT	7.69	NS
	Potassium	NT	NT	NT	2.92	14.3	4	14.8	14.9	13.8	4.68	17	4.53	5.1	15.2	3.3	NT	2.59	NS
	Selenium	ND	ND	ND	ND	ND	ND	ND	0.0082	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS
	Sodium	NT	NT	NT	25.7	110	37	121	115	136	26.3	136	27.5	345	75.9	150	NT	83.5	NS
	Spec. Cond.	NT	NT	NT	302.3	884.2			795.9	872.7	471.5	1037	466.9	1916	563	813.1	NT	694.3	NS
	Sulfate	NT	NT	NT	5.32	42.1	10.8	26.6	32.8	25.4	10.4	26.3	29.2	19.8	10.7	13.5	NT	14	NS
	TDS	NT	NT	NT	196	500	500	524	588	532	360	562	352	1038	370	470	NT	ND	NS
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	473	NS
	Turbidity	NT	NT	NT	90.3	5.03	0.696	8.26	NT	NT	NS	NS	0	NR	NT	7.5	NT	1	NS
	Vanadium	ND	ND	ND	0.0036	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0281	ND	NT	ND	NS
	Zinc	ND	ND	0.0058	0.0165	0.0053	ND	0.006	0.0067	0.0054	ND	0.0054	ND	0.009	0.0863	0.0098	NT	0.0042	NS

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location ST70	Alkalinity	NT	NT	NT	109	106	115	105	81	128	79	108	92	105	82	121	120	106	107
	Ammonia	NT	NT	NT	ND	0.497	ND	0.477	ND	0.383	ND	0.555	ND	0.612	ND	0.393	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	ND	ND
	Barium	0.0508	0.0549	0.1404	0.0624	0.0596	0.0632	0.0498	0.0488	0.0706	0.0544	0.0732	0.0606	0.0934	0.082	0.061	0.064	0.0681	0.0625
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	38.2	37.9	42.8	32.5	27.4	56.8	31.7	49.3	39.8	44.1	37.7	46	54	43	46.5
	Chloride	NT	NT	NT	85.8	68.8	97.6	79.8	50.6	122	49.5	145	62.6	674	76	229	148	170	128
	Chromium	0.0033	ND	0.0422	ND	ND	ND	ND	ND	0.0234	ND	0.0253	0.0229	ND	0.0113	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	ND	14.1	10	18.5	15.3	17.2	19.5	ND	22.4	15.3	14.5	ND	ND	17.4	12.1
	Copper	0.007	0.0076	0.0127	0.0067	0.009	0.0076	0.0066	0.0071	0.01	0.0066	0.007	0.0092	0.0073	0.0057	0.0033	ND	0.0035	ND
	Hardness	NT	NT	NT	170	150	170	128	110	188	124	180	140	192	148	200	224	184	192
	Iron	NT	NT	NT	0.421	0.98	0.357	1.04	0.555	1.36	0.466	0.77	0.486	0.706	0.498	0.39	0.093	0.758	0.329
	Lead	ND	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	16.3	15.9	17.8	13.6	8.98	16.5	11.7	18.9	11.8	19	10.9	21	24	19.3	20.8
	Manganese	NT	NT	NT	0.154	0.274	0.147	0.185	0.0928	0.436	0.0764	0.276	0.0973	0.344	0.0795	0.32	0.15	0.272	0.0794
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0085	0.0052	0.0095	0.0086	0.0136	0.0077	0.0086	0.0091	0.0083	0.0076	0.0078	0.0074	0.0103	ND	0.011	ND	0.0079	0.0038
	Nitrate	NT	NT	NT	1.8591	1.124	1.4818	0.831	0.774	1.489	0.878	2.071	0.523	1.481	0.869	1.35	1.17	1.36	1.17
	pH	NT	NT	NT	7.54	6.61			7.05	8.51	6.53	6.52	7.45	7.41	9.41	7.72	7.46	7.24	7.26
	Potassium	NT	NT	NT	4.3	4.4	6.84	4.15	4.52	13.1	5.33	14.3	13.5	14.3	12.3	5.5	5.2	3.83	4.25
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	34.2	69.8	40.1	45.6	20.4	77.1	22.1	70.3	25.9	384	30.7	130	50	71.6	39.1
	Spec. Cond.	NT	NT	NT	520.6	625.1			291.6	691	315.7	739	424.7	2485	447.1	862.9	692.1	686.3	609.5
	Sulfate	NT	NT	NT	20.8	18.4	25.2	12.8	11.6	41.4	27.4	29.7	28.7	24.1	28.1	20.4	22.7	18.6	15
	TDS	NT	NT	NT	352	392	524	312	256	448	256	380	308	1286	276	574	397	ND	452
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	407	ND
	Turbidity	NT	NT	NT	1.96	9.24	0.753	10.7	NT	NT	NS	155	0.6	3	NT	1.8	NT	0.2	0.00
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.016	ND	0.0342	ND	0.0166	0.0066	0.0145	0.0121	0.0143	0.0111	0.0136	0.0215	0.0257	0.0101	0.014	0.0054	0.0107	0.0036

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location ST80	Alkalinity	NT	NT	NT	48	110	44	32	42	34	54	34	569	31	41	33	60	34	45
	Ammonia	NT	NT	NT	ND	0.456	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0305	0.0405	0.0513	0.0365	0.0532	0.0311	0.0387	0.0315	0.0346	0.044	0.0408	0.0391	0.0505	0.037	0.043	0.04	0.0407	0.0384
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	NT	NT	NT	16.2	37.9	12.5	11.8	11.9	14.2	18.6	16.5	17.5	16.4	15.8	14	24	16.4	15.9
	Chloride	NT	NT	NT	32.6	92.3	28.6	27.1	29.4	45.8	38.1	107	43	207	40.9	177	70.6	111	40.9
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	NT	NT	NT	ND	12.5	17	14.6	12.5	10.3	10.8	ND	14.4	ND	20.5	12.9	ND	ND	11.4
	Copper	0.0061	0.0056	0.0064	0.0056	0.008	0.0066	0.0068	0.005	0.0058	ND	0.0061	0.0084	ND	ND	0.0026	ND	ND	ND
	Hardness	NT	NT	NT	70	152	68	46	55	58	86	66	76	84	76	82	106	80	92
	Iron	NT	NT	NT	0.32	0.821	0.863	1.44	0.52	0.741	1.17	0.759	0.55	0.464	0.852	1	0.39	0.338	0.813
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	NT	NT	NT	7.41	15.4	6.23	5.73	5.47	7.92	11.2	8.71	10.5	9.32	7.83	7.3	13	9.04	8.13
	Manganese	NT	NT	NT	0.126	0.174	0.155	0.149	0.0565	0.0786	0.184	0.115	0.0977	0.107	0.149	0.13	0.17	0.0959	0.299
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0036	ND	0.0035	0.0042	0.0108	ND	0.0055	ND	ND	ND	ND	0.0054	0.0051	ND	0.0058	ND	0.0025	0.0033
	Nitrate	NT	NT	NT	0.8957	1.1925	0.35	0.856	0.423	1.68	0.679	1.52	0.309	1.79	0.534	1.27	0.796	1.56	0.528
	pH	NT	NT	NT	7.65	7.37			7	8.08	6.94	7.11	7.65	7.64	7.6	7.62	6.93	8.03	7.33
	Potassium	NT	NT	NT	3.08	4.64	2.68	2.16	3.82	2.57	3.8	2.69	3.86	2.53	2.6	3	3.2	2.04	3.15
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	NT	NT	NT	17.4	69	14	14.6	12.1	28.2	16.4	64.6	17.2	110	14.9	92	24	49.1	14.2
	Spec. Cond.	NT	NT	NT	216.2	616.7			162.9	234.2	255	466.6	231.3	685.1	211.2	541.2	333.5	393	219.8
	Sulfate	NT	NT	NT	8.16	17.3	5.53	6.57	6.04	5.77	5.55	8.53	6.35	10	5.89	8.62	7.55	8.65	4.72
	TDS	NT	NT	NT	144	380	168	144	160	168	160	246	180	396	168	362	172	ND	154
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	236	ND
	Turbidity	NT	NT	NT	1.85	7.23	7.86	91.8	NT	NT	NS	1000+	4	8.8	NT	24	NT	2.3	0.60
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0066	ND	0.0078	ND	0.0119	ND	0.0095	0.0056	0.0061	ND	0.0064	0.0128	0.0083	0.0079	0.0073	ND	ND	0.0022

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Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW1B	Alkalinity						48	49	49	58	52	49	49	47	43	45	46	44	53
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium						0.0057	0.0081	0.0089	0.0084	0.0338	0.0061	0.0085	0.007	0.0085	ND	ND	ND	ND
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						6.83	8.18	6.92	8.77	10.4	9.07	8.27	7.81	7.68	6	5.9	6.14	6.55
	Chloride						ND	ND	ND	2.75	3.33	3.24	3.27	3.96	2.6	3.66	ND	ND	2.71
	Chromium						0.0055	ND	0.005	0.0085	0.233	0.0052	0.0071	ND	ND	ND	ND	ND	ND
	Cobalt						ND	ND	ND	ND	0.0205	ND	ND	ND	ND	ND	ND	ND	ND
	COD						ND	6.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper						0.0086	ND	0.008	0.0104	0.0802	0.0159	0.0057	ND	0.0053	0.0025	ND	ND	ND
	Hardness						30	36	33	60	80	36	40	50	42	40	42	32	68
	Iron						1.22	0.651	1.56	2.22	17.6	1.34	0.623	0.289	0.992	0.85	0.42	ND	ND
	Lead						ND	ND	0.0055	ND	0.0117	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium						3.72	4.58	4.34	5.74	11.6	5.42	4.56	4.63	4.36	4.1	3.7	3.54	3.94
	Manganese						0.038	0.0495	0.0441	0.0541	0.516	0.0436	0.0189	0.0186	0.0279	0.022	0.0081	ND	0.0058
	Mercury						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel						0.0055	ND	0.0054	0.008	0.271	0.0053	0.007	ND	0.0051	ND	ND	ND	ND
	Nitrate						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH								5.73	6.12	5.6	6.21	6.1	6.12	6.35	6.52	5.96	6.07	5.92
	Potassium						1.25	1.15	1.47	1.36	3.47	1.53	1.06	1.06	1.14	1	1.1	0.895	0.973
	Selenium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						10.2	8.37	6.78	8.88	8.62	12.8	7.4	8.04	7.31	7.2	7.5	6.74	7.38
	Spec. Cond.								76.3	97.9	96.9	113.1	95.5	86	78.3	70.9	80.3	44	89
	Sulfate						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	TDS						440	92	80	92	92	136	90	67	70	98	ND	ND	74
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	172	ND
	Turbidity						28.2	39.4	NT	NT	NS	47.7	33.9	12.3	37.5	1.2	2.9	2.2	34.50
	Vanadium						ND	ND	ND	ND	0.022	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc						0.0102	0.0069	0.0145	0.0179	0.109	0.012	0.0072	0.0063	0.0143	0.0068	ND	ND	ND

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW2A	Alkalinity						30	40	35	46	54	NS	56	49	28	30	34	39	51
	Ammonia						ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	0.0014	ND	ND
	Barium						0.0155	0.0299	0.0206	0.0209	0.0181	NS	0.0172	0.0247	0.142	0.012	0.027	0.0112	0.0098
	Beryllium						ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Calcium						4.89	7.78	8.86	10.5	11.1	NS	13.2	10.2	6.29	4.6	5.7	6.29	6.71
	Chloride						ND	2.74	2.69	2.65	2.63	NS	5.76	3.39	3.73	2.69	3.46	4.77	3.32
	Chromium						0.0084	0.0085	ND	0.0404	0.022	NS	ND	0.0184	0.0355	ND	**0.27**	ND	ND
	Cobalt						ND	ND	ND	0.014	ND	NS	0.0052	ND	0.0174	ND	0.016	ND	ND
	COD						ND	7.5	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Copper						0.008	0.0118	0.0069	0.028	0.0163	NS	0.0106	0.0543	0.0411	ND	0.037	ND	ND
	Hardness						19	25	22	32	32	NS	48	46	30	34	130	100	40
	Iron						1.38	3.14	0.68	1.27	0.725	NS	1.46	2.2	17.3	0.059	6.2	ND	ND
	Lead						ND	0.0055	ND	ND	ND	NS	ND	ND	**0.0221**	ND	0.0053	ND	ND
	Magnesium						2.15	3.75	3.25	3.59	4.81	NS	5.72	4.58	6.91	2.8	3.7	2.68	3.39
	Manganese						0.12	0.173	0.204	0.148	0.151	NS	0.602	0.42	0.595	0.17	0.3	0.0553	0.0361
	Mercury						ND	ND	ND	0.0006	0.0008	NS	0.0003	0.001	0.0007	ND	0.0004	ND	ND
	Nickel						0.0102	0.0092	0.0055	0.032	0.0301	NS	0.0278	0.0165	0.0244	ND	0.22	0.0021	0.0047
	Nitrate						ND	ND	ND	ND	ND	NS	ND	ND	0.2	ND	ND	ND	ND
	pH								5.14	6.08	5.96	NS	5.31	NT	6.56	5.72	5.17	5.43	5.44
	Potassium						1.94	2.32	1.8	2.12	2.14	NS	2.27	2.12	5.83	1.4	2.6	1.21	1.54
	Selenium						ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	0.0023	ND	ND
	Sodium						7.15	7.07	6.09	10.4	8.38	NS	9.54	7.47	5.02	4.2	4.8	5.56	6.28
	Spec. Cond.								73.1	118.1	89.6	NS	104.3	NT	55.7	54.2	62.5	86.4	71.8
	Sulfate						ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
	TDS						465	112	108	84	100	NS	4	70	84	72	ND	ND	65
	Thallium						ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	215	ND
	Turbidity						58.9	117.6	NT	NT	NS	NS	11.3	NT		2.7	65.5	0.9	0.00
	Vanadium						ND	ND	ND	ND	ND	NS	ND	ND	0.0192	ND	0.0052	ND	ND
	Zinc						0.0114	0.0229	0.0187	0.0369	0.0247	NS	0.0322	NT	0.0856	ND	0.036	0.0045	0.0071

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW2B	Alkalinity						29	37	33	40	36	41	34	37	23	31	28	42	38
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	New Monitoring Wells Installed In 2010					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
	Barium						0.0113	0.0095	0.0123	0.0064	0.008	0.0071	0.007	0.0071	0.0192	0.012	0.013	0.0112	0.0081
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						4.92	8.72	7.2	9.89	11.7	10.7	10.1	11	5.48	5.7	4.9	6.78	6.03
	Chloride						ND	ND	ND	ND	2.55	ND	ND	2.58	4.06	3.18	ND	ND	ND
	Chromium						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
	COD						ND	ND	ND	ND	ND	12.6	ND	ND	ND	ND	ND	ND	ND
	Copper						0.0054	ND	ND	0.0061	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hardness						18	24	35	30	34	34	30	56	28	34	30	62	42
	Iron						ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017	0.064	ND	ND
	Lead						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium						1.94	2.84	2.85	2.44	3.04	2.58	2.56	2.74	3.14	3	2.7	3.38	2.47
	Manganese						0.0868	0.063	0.044	0.0393	0.0302	0.0342	0.023	0.0211	0.0629	0.052	0.03	0.0418	0.0393
	Mercury						ND	ND	ND	ND	0.0006	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel						ND	ND	ND	0.0052	0.0062	ND	ND	ND	ND	ND	ND	ND	ND
	Nitrate						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH								5	5.39	5.49	5.61	5.13	5.31	5.22	5.7	5.22	5.67	5.13
	Potassium						1.36	1.58	1.39	1.66	1.74	1.83	1.47	1.59	1.47	1.4	1.5	1.52	1.32
	Selenium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						6.99	5.22	4.88	8.64	4.89	4.66	4.17	4.62	4.25	4.8	4.3	6.5	3.81
	Spec. Cond.								54.9	76	78.6	94.8	74	78.2	55.1	29.4	64.1	84	66.7
	Sulfate						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	TDS						648	56	44	92	84	4	72	66	1164	80	21	ND	44
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	186	ND
	Turbidity						2.43	1.29	NT	NT	NS	0.57	0	0.9	0.7	0.4	0.69	0	4.60
	Vanadium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc						0.0061	0.008	0.0079	0.0075	0.0069	0.0072	0.0098	0.0072	0.0113	ND	ND	0.0037	0.0038

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW3A	Alkalinity						40	24	21	24	21	17.2	16	17	13.5	17	18	15.2	26
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	New Monitoring Wells Installed In 2010					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
	Barium						0.144	0.0519	0.111	0.223	0.113	0.0487	0.0332	0.0367	0.058	ND	0.01	ND	0.0037
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						6.89	6.1	11.1	17.2	10.1	7.11	5.41	4.52	5.5	3.1	3	2.48	2.53
	Chloride						ND	2.94	2.89	5.28	2.76	2.6	ND	2.91	3.1	ND	ND	ND	2.58
	Chromium						0.053	0.0067	0.0075	0.0815	0.05	0.0277	0.0133	0.0121	0.0206	ND	ND	ND	0.0021
	Cobalt						0.041	0.0108	0.0188	0.0397	0.0267	0.0094	0.0051	0.0056	0.0108	ND	ND	ND	ND
	COD						ND	ND	ND	6.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper						0.118	0.018	0.0273	0.122	0.0773	0.0332	0.0196	0.0288	0.028	0.0028	ND	ND	ND
	Hardness						130	14	22	50	44	34	16	78	38	30	20	16	20
	Iron						61.7	5.99	6.67	86.1	44.4	17	11.7	10.1	15.8	2.2	2.3	ND	0.343
	Lead						**0.0259**	0.0089	**0.023**	**0.0435**	**0.02**	0.0088	ND	0.0052	0.0096	ND	0.001	ND	ND
	Magnesium						20.9	3.68	7.04	28.1	15.6	6.68	5.37	5.74	6.12	1.8	1.9	1.1	1.29
	Manganese						1.08	0.343	0.629	1.17	0.715	0.24	0.141	0.172	0.416	0.059	0.079	ND	0.0176
	Mercury						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel						0.0816	0.0067	0.0098	0.0752	0.0544	0.0224	0.0128	0.0126	0.0202	ND	ND	ND	ND
	Nitrate						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH								5.55	5.85	5.86	5.99	5.49	5.4	6.13	5.98	5.51	6.02	5.68
	Potassium						13	1.98	2.86	15	9.8	3.99	3.03	2.77	3.56	1.3	1.4	0.765	0.876
	Selenium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						7.66	4.12	4.19	4.33	3.88	4.1	3.81	4.24	3.28	3.3	3.4	2.93	3.08
	Spec. Cond.								36.1	41.4	39	43.7	37.1	30.3	33.1	33.4	36	35	31.5
	Sulfate						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	TDS						100	60	144	112	60	16	126	10	74	74	ND	ND	43
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Turbidity						1535	151.5	NT	NT	NS	982	982	1000+	1.8	38	11.1	0	11.70
	Vanadium						0.0529	0.01	0.0124	0.1	0.058	0.022	0.0134	0.0132	0.0212	ND	ND	ND	ND
	Zinc						0.227	0.0275	0.0459	0.235	0.159	0.06	0.0372	0.041	0.0639	0.0078	0.0084	ND	0.0029

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Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW3B	Alkalinity						160	110	80	111	137	118	123	112	105	94	81	86	234
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026
	Barium						0.0943	0.237	0.175	0.0994	0.13	0.0643	0.12	0.0491	0.0808	ND	0.03	0.0135	0.304
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						10.7	63	57.4	42.3	61.8	44.4	54.5	34.3	33.3	26	23	24.5	106
	Chloride						ND	4.59	2.57	3.49	3.46	2.76	3.05	2.63	ND	ND	2.58	2.53	479
	Chromium						0.0246	0.018	0.0129	0.0409	0.184	0.0478	**0.124**	0.053	0.0655	ND	ND	ND	0.0061
	Cobalt						ND	0.027	0.0064	0.012	0.0243	0.0093	0.0157	0.0058	0.0113	ND	ND	ND	0.746
	COD						ND	22.4	7.6	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper						0.0125	0.0533	0.0184	0.0403	0.105	0.0308	0.054	0.0258	0.0467	ND	ND	ND	0.0092
	Hardness						100	66	45	114	188	132	162	130	118	100	66	78	590
	Iron						1.33	9.62	3.89	19.4	19.15	8.89	24.9	5.68	11.4	0.24	0.13	0.255	3.92
	Lead						ND	**0.041**	0.011	0.0138	0.0163	0.0087	**0.0171**	0.0077	0.0134	ND	ND	ND	ND
	Magnesium						0.715	10.6	5.36	11.7	11.3	7.41	12	6.81	7.09	3.6	2.8	3.95	77.4
	Manganese						0.0395	1.26	0.276	0.371	0.584	0.33	0.465	0.221	0.385	0.011	0.015	0.0115	60.1
	Mercury						ND	ND	ND	ND	ND	ND	0.0003	ND	ND	ND	ND	ND	ND
	Nickel						0.0266	0.031	0.0103	0.0363	0.278	0.0425	0.114	0.0605	0.0648	ND	ND	ND	0.082
	Nitrate						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH								10.2	8.47	7.33	8.03	7.59	7.11	7.32	7.49	7	7.42	6.81
	Potassium						26	9.54	9.11	7.83	7.26	4.18	6.49	3.19	3.55	1.5	1.3	1.67	4.25
	Selenium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0025
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						56.7	107	41	48.6	51.1	36	30.1	19.4	17	12	9.1	11.4	114
	Spec. Cond.								279.6	223.9	329.1	161.1	221.9	214	146.9	184.6	184	191.6	153
	Sulfate						13.5	165	36.9	65.7	94.4	52.6	43.2	29.4	23.6	11.6	5.74	10.8	65.5
	TDS						332	472	188	268	292	158	242	228	256	142	63	ND	1240
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	107	ND
	Turbidity						42	2130	NT	NT	NS	11.3	22.7	27.8	30.1	4.4	3.44	5.2	0.00
	Vanadium						0.0047	0.0279	0.0098	0.022	0.0216	0.0112	0.0233	0.0068	0.0136	ND	ND	ND	0.0023
	Zinc						0.0123	0.108	0.0359	0.0724	0.0988	0.0429	0.0801	0.03	0.0612	ND	ND	ND	0.0415

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Monitoring Location MW04	Alkalinity						70	60	52	56	51	55	55	55	51	50	60	54	47
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium						0.228	0.0431	0.0409	0.0721	0.0383	0.0383	0.0417	0.0417	0.042	0.034	0.032	0.041	0.0323
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						34.4	35.5	34.5	40.4	33.4	39.6	35.1	35.1	35	40	39	43.8	34.5
	Chloride						106	138	120	145	125	141	128	128	139	143	152	154	138
	Chromium						0.0261	ND	ND	0.0076	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt						0.0264	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD						ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper						0.037	ND	ND	0.0145	ND	0.0133	ND	ND	ND	ND	ND	ND	ND
	Hardness						183	200	163	188	162	186	170	170	194	212	194	184	140
	Iron						37.6	1.21	1.06	7.69	0.889	0.97	0.786	0.786	1.02	0.7	0.22	0.726	0.38
	Lead						**0.022**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium						30.9	25.8	22.9	25.5	19.6	22.6	23.2	23.2	21.1	25	25	25.3	20.5
	Manganese						2.87	0.138	0.104	0.549	0.115	0.175	0.142	0.142	0.123	0.091	0.18	0.0726	0.0528
	Mercury						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel						0.0758	0.0108	0.0055	0.0157	0.0095	0.0108	0.0093	0.0093	0.0076	ND	ND	ND	ND
	Nitrate						0.3756	0.378	0.406	0.47	0.444	0.465	0.489	0.489	0.566	0.621	0.507	0.651	0.655
	pH								5.7	5.96	5.5	6.11	6.05	6.05	6.24	5.96	5.92	5.99	5.86
	Potassium						12.2	3.56	2.76	4.51	3.01	3.47	2.53	2.53	2.79	3	2.9	3.44	2.53
	Selenium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						29.4	30.2	29.4	29.7	24.9	30.9	29.6	29.6	28.3	30	35	33.3	27.5
	Spec. Cond.								421.5	587.4	501.7	620.9	485.6	485.6	498.8	487.3	574.2	524.6	502
	Sulfate						ND	ND	ND	ND	ND	4.26	4.01	4.01	4.73	5.37	5.12	5.32	4.8
	TDS						552	552	520	528	428	310	442	442	370	442	320	ND	412
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	320	ND
	Turbidity						880	13.2	NT	NT	NS	59.7	45.2	45.2	87	13.3	0	14.1	6.50
	Vanadium						0.0213	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc						0.138	0.0078	0.0076	0.0313	0.0069	0.009	0.0073	0.0073	0.0108	0.0056	ND	0.0065	0.0022

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW06	Alkalinity						260	264	214	238	197	216	183	208	201	201	197	247	80
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	ND	ND
	Barium						0.675	0.303	0.319	0.365	0.433	0.259	0.301	0.3	0.393	0.31	0.32	0.332	0.0158
	Beryllium						**0.007**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						**0.0082**	ND	**0.0066**	**0.0062**	**0.0089**	ND	ND	ND	ND	ND	ND	0.0023	ND
	Calcium						62.6	73.9	70.3	78.7	72.8	76.3	79.8	80.1	90.2	83	84	95.9	19.5
	Chloride						222	200	226	243	255	258	304	282	411	372	409	407	3.61
	Chromium						0.0533	ND	ND	0.0073	0.0229	0.0051	0.0064	0.0118	ND	**0.57**	**0.53**	ND	0.0031
	Cobalt						0.33	0.322	0.216	0.374	0.343	0.388	0.263	0.281	0.466	0.59	0.46	0.554	ND
	COD						ND	17.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper						0.143	0.0157	0.0106	0.0243	0.0414	0.0133	0.0149	0.0157	0.0091	0.017	0.011	0.0033	ND
	Hardness						430	1720	430	470	452	472	500	500	632	104	800	710	70
	Iron						69.4	2.9	0.897	4.76	17.9	3.47	7.65	8.65	2.39	8.3	3.3	27.3	ND
	Lead						**0.0519**	0.0101	0.011	0.0137	0.0095	ND	0.0054	0.0055	ND	ND	ND	ND	ND
	Magnesium						57.9	54.9	53.5	56.3	53.1	54.9	56.7	56.3	65	60	59	71.5	2.82
	Manganese						38.9	54	37.63	44.4	37.6	48	40	44.7	54.3	48	50	58.1	0.0131
	Mercury						ND	0.0004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel						0.154	0.0339	0.032	0.0429	0.0634	0.0463	0.0379	0.0409	0.0532	0.57	0.56	0.0511	ND
	Nitrate						0.0757	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH								5.58	5.86	5.44	6.17	5.62	6.09	5.85	6.55	6.01	6.27	5.66
	Potassium						4.92	2.94	3.71	3.63	4.19	3.77	4	3.35	3.97	3.5	3.9	3.29	1.17
	Selenium						0.0429	0.0113	0.0098	0.0096	0.0151	0.0084	0.0133	0.0084	0.0084	ND	ND	0.0057	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						56.2	63.1	61.2	70.9	59.6	65.3	66	64.3	89.8	76	95	101	10.4
	Spec. Cond.								984.9	1228	1211	1352	1248	1214	1557	1320	1004	1730	1844
	Sulfate						54.1	58.7	45.2	43.4	47.4	48	50	62.1	70.6	77.2	70.7	70.1	7.46
	TDS						1080	868	1036	976	776	644	878	718	96	926	1022	ND	98
	Thallium						ND	ND	0.0001	ND	ND	ND	ND	ND	ND	ND	ND	978	ND
	Turbidity						5300	1540	NT	NT	NS	270	2651	589	129.6	11.2	6.4	2.2	15.60
	Vanadium						0.0531	ND	ND	0.0054	0.0149	ND	ND	0.0051	ND	ND	ND	ND	ND
	Zinc						0.5	0.0516	0.0487	0.0616	0.136	0.0515	0.0561	0.0627	0.0456	0.048	0.045	0.0253	0.0036

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW07	Alkalinity						90	42	69	42	31	68	48	139	259	62	128	254	105
	Ammonia						ND	ND	ND	ND	ND	ND	ND	0.265	0.377	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium						0.0666	0.0674	0.0636	0.058	0.0631	0.0635	0.0732	0.0659	0.102	0.058	0.069	0.103	0.0599
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						46.7	46.5	55.2	41.7	44.5	48.9	45.4	55.6	81.6	40	57	98	40.2
	Chloride						131	119	117	70.3	108	118	117	123	166	124	128	194	85.1
	Chromium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt						0.0066	ND	ND	0.0065	0.0073	ND	ND	0.01	0.0103	ND	0.0094	0.0136	0.0121
	COD						12.6	15	15.1	14.6	ND	21.2	ND	23.7	35.8	ND	25.2	34.4	ND
	Copper						0.016	0.01	0.0084	0.0115	0.013	0.0172	0.011	0.0111	0.0148	0.0068	0.0096	0.0121	0.0051
	Hardness						650	219	241	198	216	238	212	294	418	210	266	440	114
	Iron						0.69	0.517	ND	0.478	0.413	0.391	0.29	3.31	2.23	ND	0.13	3.83	1.6
	Lead						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium						23.2	28.1	31.5	25.7	24.7	27.6	27.7	28.7	44.1	23	29	53.4	21.9
	Manganese						2.01	0.761	0.562	0.681	0.34	1.3	1.22	1.88	5.81	0.95	2.8	1.83	1.49
	Mercury						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel						0.0157	0.0064	0.0051	0.0067	0.0078	0.0069	0.0069	0.0077	0.0089	ND	ND	0.0086	0.0052
	Nitrate						**10.35**	**14.59**	**18.45**	**29.09**	**22.65**	**15.012**	**15.75**	6.206	2.17	4.2	5.38	1.04	1.84
	pH								5.55	5.62	5.04	5.79	5.57	5.55	6.27	5.81	5.93	5.95	5.41
	Potassium						3.16	3.81	3.36	3.09	3.8	4.23	2.82	3.81	4.17	2.8	3.8	5.69	2.94
	Selenium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						33.4	32.6	31.7	22.7	23.1	24.1	24.7	25.7	48.2	28	43	56.1	33.1
	Spec. Cond.								568.3	601.2	614.9	693.4	580.1	667.6	1005	174.4	640.3	979.3	540.4
	Sulfate						13.1	12.4	11.7	5.6	11	5.66	7.76	10.5	21	21.4	26.8	21.2	34.9
	TDS						648	552	788	528	560	420	524	442	650	398	392	ND	358
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	600	ND
	Turbidity						11.1	6.06	NT	NT	NS	0.8	3.7	6.09	10.1	0	0	0	0.00
	Vanadium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc						0.0246	0.0119	0.0106	0.0148	0.014	0.0098	0.0099	0.0096	0.0118	ND	0.011	0.0071	0.0071

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Metals and Other Water Quality Parameters - Long Term Summary

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW08	Alkalinity						190	480	209	166	178	175	89	233	187	266	144	289	157
	Ammonia						0.726	1.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium						0.273	0.177	0.109	0.12	0.419	0.12	0.156	0.111	0.12	0.089	0.094	0.0856	0.0804
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						59	114	76.2	70.1	67.4	67.5	46.9	87.3	64	88	56	97.3	56.8
	Chloride						190	207	210	198	223	172	197	142	160	134	151	133	102
	Chromium						0.0215	ND	ND	ND	0.0654	ND	0.0221	ND	ND	0.014	ND	ND	ND
	Cobalt						0.0816	ND	ND	ND	0.0838	ND	ND	ND	ND	ND	ND	ND	ND
	COD						ND	26.3	6.2	11.5	ND	ND	ND	16	11.8	12.5	10.2	10	13.2
	Copper						0.054	0.0145	0.0067	0.0081	0.131	0.0134	0.0107	0.0069	0.0061	0.0029	ND	0.0023	0.0026
	Hardness						270	600	99	332	344	302	218	412	316	444	276	468	298
	Iron						15.1	1.69	0.69	1.15	46.3	0.498	1.64	1.25	0.485	ND	ND	0.688	0.371
	Lead						0.01	ND	ND	ND	0.027	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium						36.9	90.9	50.2	40.5	39.6	33.9	27.1	46	37.7	48	32	52.6	32.8
	Manganese						3.46	0.144	0.0902	0.0101	2.36	0.0338	0.182	0.0111	0.0108	ND	ND	0.0048	0.024
	Mercury						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel						0.0534	0.0082	0.0071	0.0065	0.0821	ND	0.0241	0.0075	ND	ND	ND	0.0036	0.0024
	Nitrate						7.63	**13.85**	5.65	**14.79**	**9.61**	4.75	5.21	**14.55**	9.43	**11.59**	9.53	6.75	8.22
	pH								6.65	6.59	5.76	6.57	6.39	6.61	6.81	7.83	6.55	7.14	6.64
	Potassium						10.4	19.1	14	11.8	12.9	13.6	8	12.7	10.8	11	9.7	11.9	8.84
	Selenium						ND	ND	ND	ND	0.0076	ND	ND	ND	ND	ND	ND	0.0023	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						104	139	124	106	102	95.7	100	78.8	91.5	71	85	87	69.8
	Spec. Cond.								1040	1154	1199	1157	907.6	1121	964.7	951.2	879	1123	895
	Sulfate						55	68.5	72.6	67.4	69	95.1	57.6	136	92.7	120	69.3	169	111
	TDS						696	1136	1016	776	712	642	520	740	624	656	483	ND	588
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	742	ND
	Turbidity						1227	22.7	NT	NT	NS	8.7	NM	35.2	11.6	7.5	2.87	0	1.50
	Vanadium						0.0366	ND	ND	ND	0.0874	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc						0.16	0.0143	0.0109	0.0104	0.22	0.0071	0.0311	0.0085	0.0093	ND	ND	ND	0.0032

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW09	Alkalinity						64	110	44	34	37	33	28	35	30	28	28	51	38
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium						0.334	0.156	0.172	0.0682	1.33	0.0722	0.115	0.338	0.688	0.069	0.069	0.0777	0.0434
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	**0.0055**	**ND**	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						15.8	14.9	12.4	10.48	17.5	12	11	14.8	10.1	4.6	4.6	8.37	6.78
	Chloride						11.9	10.9	12.3	12.1	13.6	12.9	13.9	152	15.7	70.3	70.3	63.3	13.7
	Chromium						0.0588	0.032	ND	0.009	0.0384	0.027	0.0263	0.0363	**0.128**	**0.0044**	0.0044	ND	0.0024
	Cobalt						0.0341	0.016	ND	ND	0.0603	0.0057	0.0087	0.0138	0.0684	ND	ND	ND	ND
	COD						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper						0.0339	0.0174	ND	0.0083	0.0369	0.0196	0.017	0.0177	0.0508	0.0043	0.0043	ND	ND
	Hardness						80	48	140	50	84	46	48	68	46	36	36	124	72
	Iron						48.6	16.7	ND	3.05	26.2	6.41	14.7	22.2	86.7	3	3	0.875	ND
	Lead						**0.0373**	0.0132	0.0124	ND	0.0544	ND	0.0109	0.0137	**0.0648**	**0.0018**	0.0018	ND	ND
	Magnesium						24.4	13.2	6.9	7.22	15.9	8.44	11.8	15.7	38.2	4.5	4.5	6.34	4.88
	Manganese						1.8	0.689	0.196	0.242	3.19	0.273	0.415	0.626	2.56	0.088	0.088	0.0563	0.0548
	Mercury						ND	ND	0.0004	ND	0.0004	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel						0.0553	0.0274	ND	0.0094	0.034	0.0217	0.0249	0.0318	0.109	0.0052	0.0052	ND	0.0025
	Nitrate						1.25	1.25	1.14	1.47	1.18	1.45	1.49	1.36	1.26	0.839	0.839	1.12	1.27
	pH								5.25	5.08	5.23	5.42	5.05	5.07	5.5	5.7	5.7	5.57	4.97
	Potassium						17.8	7.41	1.54	2.09	9.63	3.45	5.4	8.61	30.3	1.8	1.8	1.6	0.789
	Selenium						ND	ND	ND	ND	0.0088	ND	ND	ND	0.0078	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						7.23	3.75	3.91	4.26	3.77	7.95	4.13	87.1	9.44	50	50	41.8	5.76
	Spec. Cond.								105.3	105.1	122.5	120.2	70.2	579.6	108.1	269.8	269.8	238.1	111.7
	Sulfate						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	TDS						168	172	116	80	112	196	96	370	72	188	188	ND	91
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	147	ND
	Turbidity						1160	398	NT	NT	NS	446	1235	644	500	154.3	154.3	40.9	16.30
	Vanadium						0.0541	0.0285	ND	ND	0.0306	0.0076	0.0167	0.0258	0.117	ND	ND	ND	ND
	Zinc						0.189	0.0777	0.0166	0.0242	0.157	0.0363	0.0871	0.0867	0.398	0.022	0.022	0.0171	0.0087

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Monitoring Location MW10	Alkalinity						100	75	78	65	79	59	86	68	4.6	61	62	50	66
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium						1.49	0.124	0.414	0.116	0.157	0.0878	0.448	0.104	0.682	0.064	0.071	0.0526	0.0688
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						29.1	14.2	21.2	16.1	21.1	17.2	23.3	18.3	50.6	15	16	14.9	15.9
	Chloride						6.75	19.4	8.02	8.31	9.6	6.76	7.95	6.97	283	6.22	8.68	6.26	8.11
	Chromium						**0.125**	ND	0.0057	0.0102	0.0174	0.0081	0.0677	ND	0.0251	0.0036	ND	ND	ND
	Cobalt						0.0659	ND	0.0103	0.0052	0.0067	ND	0.0308	ND	0.0139	ND	ND	ND	ND
	COD						ND	36.6	ND	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper						0.197	0.0123	0.0292	0.027	0.0283	0.0254	0.108	0.0139	0.0313	0.0051	ND	ND	ND
	Hardness						110	70	72	68	82	60	90	82	236	76	70	104	100
	Iron						201	ND	5.7	9	12.6	5.5	55.7	4.31	22.1	2	1.2	0.329	0.423
	Lead						**0.0611**	ND	**0.0153**	ND	0.005	ND	**0.0181**	ND	**0.0185**	ND	ND	ND	ND
	Magnesium						78.3	9.1112	10.7	9.78	11.2	8.42	26.4	9.06	30.6	7.1	6.9	7.4	6.84
	Manganese						3.59	0.044	0.38	0.158	0.212	0.0983	0.931	0.0692	0.58	0.036	0.016	0.0149	0.0205
	Mercury						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel						0.111	ND	0.013	0.0112	0.0172	0.0099	0.0607	0.0074	0.0254	0.0062	ND	ND	0.0039
	Nitrate						ND	ND	ND	ND	ND	ND	ND	ND	3.91	ND	ND	ND	ND
	pH								5.35	5.8	5.53	5.95	5.9	5.62	5.16	5.95	5.73	6.08	5.7
	Potassium						43.5	1.26	2.12	2.78	3.27	2.29	11.3	1.81	6.43	1.3	1.3	1.02	1.09
	Selenium						0.0085	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						12.4	10.1	8.3	8.54	9.1	12.4	9.52	9.11	90.2	8.8	8.8	9.87	8.57
	Spec. Cond.								132.5	144.6	184	164.9	183	148.4	983.8	132.3	163.1	135.1	157
	Sulfate						7.56	8.3	7.83	8.02	7.4	8.41	6.47	8.64	18.8	11.3	11.6	11.2	11.4
	TDS						148	140	140	116	160	162	142	144	680	68	73	ND	133
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96	ND
	Turbidity						4340	3140	NT	NT	NS	203	1583	114	401	115.5	37.8	16	38.00
	Vanadium						0.189	ND	0.0094	0.0242	0.0319	0.0143	0.124	0.0107	0.0273	0.0055	ND	ND	0.0029
	Zinc						0.337	0.132	0.0575	0.0335	0.0444	0.0272	0.19	0.0606	0.0898	0.035	0.0073	0.0149	0.0095

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW11A	Alkalinity						50	27	40	33	37	29	33	16.2	31	23	37	25	33
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium						0.749	0.274	0.148	0.138	0.183	0.111	0.185	0.158	0.083	0.032	0.047	0.0396	0.0399
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						23.4	14.8	15.1	11.4	15.8	12.5	17.3	10.9	12.9	7.7	13	11	12.5
	Chloride						4.22	10.9	4.52	4.17	5.1	4.99	5.14	4.21	4.97	4.87	7.02	6.56	7.71
	Chromium						**0.144**	0.0273	0.0096	0.0354	0.0514	0.032	0.0518	0.0384	0.0143	0.0095	ND	ND	0.0025
	Cobalt						0.0695	0.0181	0.0103	0.014	0.0213	0.0119	0.0212	0.0155	0.0055	ND	ND	ND	ND
	COD						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper						0.0825	0.026	0.0135	0.0452	0.0409	0.0321	0.046	0.0413	0.0156	0.0051	ND	ND	0.0027
	Hardness						90	36	54	52	80	46	60	200	58	44	54	88	84
	Iron						149	12.1	7.54	22.56	30.8	18.4	30.7	27.8	9.84	4.7	3	1.45	0.84
	Lead						**0.0499**	**0.0156**	0.0122	0.0069	0.0136	0.0061	0.0117	0.0079	ND	0.0015	ND	ND	ND
	Magnesium						66.6	11.2	8.63	11.7	13.9	9.74	16.4	12.7	7.8	3.6	5.7	5.24	4.95
	Manganese						3.47	0.738	0.319	0.451	0.693	0.326	0.633	0.464	0.169	0.057	0.027	0.0364	0.0236
	Mercury						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel						0.145	0.0277	0.0171	0.0312	0.0486	0.0297	0.0489	0.036	0.0134	0.0099	ND	ND	0.004
	Nitrate						1.4774	1.1	1.94	1.29	2.25	1.87	2.57	1.09	2.34	1.22	3.57	1.99	3.41
	pH								5.14	5.51	5.49	5.78	5.72	5.54	5.76	5.7	5.53	5.80	5.51
	Potassium						27.7	1.87	1.3	4.85	4.82	3.64	6.81	5.26	2.34	1.1	1.2	0.975	0.802
	Selenium						0.0056	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						8.49	4.21	5.15	4.66	4.57	8.24	5.31	3.89	4.7	3.7	5.3	5.38	5.01
	Spec. Cond.								92	93.3	114.8	111.2	111.7	76.9	101	57.4	125.8	97.4	119.1
	Sulfate						7.07	6.28	5.94	5.83	5.76	6.22	5.93	6.78	6.37	6.75	5.37	5.79	5.35
	TDS						108	72	96	64	108	176	116	87	78	50	10	ND	118
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	86	ND
	Turbidity						4880	1600	NT	NT	NS	766	1272	607	630	46	86.3	17.5	39.90
	Vanadium						0.124	0.0093	0.0055	0.0425	0.057	0.0328	0.0555	0.0424	0.0171	0.0091	0.0052	ND	0.0023
	Zinc						0.334	0.0938	0.0493	0.0788	0.109	0.069	0.124	0.0925	0.034	0.011	0.011	0.0095	0.0076

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

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW11B	Alkalinity						100	69	65	68	61	61	62	68	73	72	68	68	67
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium						0.0744	0.0194	0.0188	0.0252	0.021	0.021	0.0261	0.0348	0.0256	0.021	0.021	0.0246	0.0182
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						34.4	15.4	14.9	14.3	15.9	15.9	16.9	17.5	17.6	16	16	18.6	14.9
	Chloride						4.18	4.79	4.38	4.9	5.06	5.06	6.57	6.14	6.38	6.77	7.07	9.64	9.68
	Chromium						0.0082	ND	ND	ND	ND	ND	ND	0.0052	ND	ND	ND	ND	ND
	Cobalt						0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper						0.0131	ND	ND	0.0074	ND	ND	0.0055	0.007	ND	0.0021	ND	ND	0.0022
	Hardness						94	66	58	62	62	62	62	72	86	86	72	108	82
	Iron						6.97	ND	ND	1.37	0.567	0.567	0.948	2.73	0.705	1.8	1.6	0.449	0.255
	Lead						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium						8.36	6.63	6.3	7.72	6.62	6.62	8.18	9.36	8.63	8.8	8	10.2	7.55
	Manganese						0.167	0.012	0.0107	0.0345	0.0178	0.0178	0.021	0.0516	0.0142	0.031	0.019	0.0101	0.0057
	Mercury						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel						0.009	ND	ND	ND	ND	ND	ND	0.0054	ND	ND	ND	ND	ND
	Nitrate						2.307	2.33	2.19	2.56	2.37	2.37	2.38	2.74	2.82	3.02	3	2.93	2.45
	pH								6.13	6.36	6.17	6.17	6.46	6.19	6.56	6.77	6.27	6.27	6.05
	Potassium						2.5	0.888	0.93	1.12	0.941	0.941	1.17	1.46	0.946	1.1	1.1	1.06	0.8
	Selenium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						12.6	9.1	8.49	9.38	8.14	8.14	9.42	9.7	9.22	9.6	9	11	8.61
	Spec. Cond.								123	156	147.8	147.8	144.9	160	171.5	74.1	170.2	162.1	163.5
	Sulfate						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	TDS						156	132	116	132	136	136	134	156	108	106	43	ND	128
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	143	ND
	Turbidity						72.4	4.99	NT	NT	NS	NS	15.8	40.5	7.4	34.2	36.9	24.6	29.60
	Vanadium						0.0229	ND	ND	0.0062	ND	ND	0.0058	0.0088	ND	0.007	0.0062	ND	0.0039
	Zinc						0.0209	ND	ND	0.0106	0.0066	0.0066	0.0074	0.0122	ND	0.0053	ND	ND	0.0143

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Metals and Other Water Quality Parameters - Long Term Summary

Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW12	Alkalinity						15	16	22	12	10	7	7.9	6	75	7.5	10	23	25
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium						1.32	0.749	0.615	0.635	0.472	0.473	0.392	0.471	0.354	0.44	0.31	0.354	0.269
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						82	78.8	65.6	65.2	47.4	44.5	45.5	46.4	19.7	47	32	32.8	28.7
	Chloride						374	371	286	348	211	246	197	251	7.3	267	176	204	147
	Chromium						0.1	ND	ND	0.0181	0.0261	ND	0.0115	ND	0.0436	0.01	ND	ND	0.002
	Cobalt						0.0492	ND	ND	ND	0.012	ND	ND	ND	0.0213	ND	ND	ND	ND
	COD						ND	ND	ND	6.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper						0.109	0.0111	0.0063	0.0168	0.0339	0.0159	0.0167	0.0079	0.078	0.011	ND	ND	0.003
	Hardness						360	356	280	276	188	196	170	206	88	204	136	140	136
	Iron						100	2.59	1.22	4.09	17	1.27	7.12	1.17	36.8	3.8	2.1	0.367	0.374
	Lead						**0.0616**	ND	0.0106	ND	0.0168	ND	0.0066	ND	0.0112	0.0022	0.0014	ND	ND
	Magnesium						69.5	43.1	29.1	32.7	23	21.1	21.6	22.9	19.5	24	15	16.9	12.6
	Manganese						3.02	0.138	0.103	0.155	0.532	0.0835	0.177	0.0658	0.596	0.11	0.055	0.0391	0.0398
	Mercury						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel						0.0938	0.0113	0.008	0.0205	0.0257	0.0096	0.0136	0.0079	0.0388	0.014	ND	ND	0.0041
	Nitrate						5.0188	4.38	4.87	4.43	4.9	4.49	5.02	4.33	ND	3.94	4.88	3.83	4.83
	pH								4.66	4.8	5.01	5.19	4.82	4.85	5.96	5.2	5.05	5.36	5.07
	Potassium						23.1	5.14	4.12	4.49	5.42	4.06	4.3	3.27	8.02	4.1	3.2	2.6	2.39
	Selenium						0.0062	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						81.5	104	73.7	96.2	57.8	76.9	61.4	88.4	8.05	88	64	83.5	54
	Spec. Cond.								836.7	1142	757	976.6	668	835.9	159.4	783.6	641.4	640.7	563.6
	Sulfate						14.7	14.3	15.5	13.9	15.7	15	17.3	18.2	8.23	18.8	20.7	20.4	20.4
	TDS						1520	1184	1020	1012	720	600	646	624	134	620	337	ND	443
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	426	ND
	Turbidity						3920	57.4	NT	NT	NS	84.3	160	50.1	358.3	94.3	6.9	26.3	5.20
	Vanadium						0.085	ND	ND	ND	0.0246	ND	0.0088	ND	0.0893	ND	ND	ND	0.0023
	Zinc						0.269	0.0352	0.0306	0.039	0.0754	0.0238	0.0443	0.0241	0.132	0.041	0.022	0.021	0.0159

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Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW13A	Alkalinity						50	224	34	227	32	34	32	34	36	32	40	33	37
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0015	ND	ND
	Barium						0.332	0.199	0.273	0.687	0.249	0.213	0.397	0.44	0.476	0.18	0.34	0.193	0.197
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0017	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						26.5	23.8	24.5	29.1	26.3	25	26.9	29	26.8	23	28	24.4	24.1
	Chloride						84.3	83.5	85.1	86.1	90.7	88.2	87.9	86.8	85.8	90.8	93.8	90.7	91.7
	Chromium						0.024	ND	ND	0.0853	0.0224	0.0084	0.0409	0.0436	0.0342	0.005	0.041	ND	ND
	Cobalt						0.029	0.0079	0.0114	0.0683	0.017	0.0109	0.0351	0.0378	0.0335	0.0085	0.022	0.0076	0.009
	COD						34.6	ND	ND	10.1	ND	17.2	ND	10.9	18.6	ND	11.7	ND	ND
	Copper						0.071	0.0121	0.0137	0.197	0.0421	0.0271	0.09	0.095	0.0753	0.005	0.048	ND	0.0031
	Hardness						160	128	125	164	148	132	136	270	148	220	152	128	142
	Iron						28.3	3.32	2.96	108	17.3	10.3	45.7	45.9	44	2	29	0.259	1.26
	Lead						0.0112	ND	0.0069	**0.0327**	0.0069	ND	0.0146	**0.0172**	**0.0215**	ND	0.01	ND	ND
	Magnesium						23.5	20.7	19.7	47	19.7	18.2	30.5	31.9	28.6	17	26	17.7	17.3
	Manganese						0.876	0.302	0.376	1.88	0.54	0.333	1.03	0.954	1.3	0.27	0.42	0.264	0.307
	Mercury						0.0003	0.0003	0.0006	**0.0026**	0.0004	0.0003	0.0007	0.0014	0.002	ND	**0.0031**	ND	ND
	Nickel						0.0345	0.01	0.0097	0.0773	0.0249	0.0135	0.0427	0.0462	0.0359	ND	0.011	0.0076	0.0077
	Nitrate						2.48	2.29	2.17	1.97	2.08	1.88	1.67	1.52	1.2861	1.55	1.55	1.63	1.54
	pH								4.79	4.93	4.91	5.32	5.12	5.31	5.34	5.12	5.07	5.16	4.82
	Potassium						8.65	3.03	2.72	22.6	6.15	4.75	11.3	12.2	11.6	2.3	8.7	1.94	2.38
	Selenium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						17.6	16.1	15.5	15.1	14.9	16.5	12.5	14.3	13.3	13	14	13.2	13.3
	Spec. Cond.								303	362.1	362.5	406.3	290.5	214.5	83.3	319.4	378.9	348.8	360.2
	Sulfate						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	TDS						380	324	456	392	336	174	348	312	288	228	142	ND	293
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	238	ND
	Turbidity						1048	56.8	NT	NT	NS	1082	1220	934	1349	42.7	73.2	27.2	46.60
	Vanadium						0.0626	0.0099	0.0094	0.238	0.0461	0.0197	0.113	0.0979	0.0903	0.005	0.078	ND	0.0026
	Zinc						0.0902	0.0194	0.0224	0.231	0.0585	0.033	0.126	0.134	0.108	0.017	0.089	0.0122	0.0124

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Sample Site	Parameter	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016
Monitoring Location MW13B	Alkalinity						230	720	226	742	226	224	221	218	221	212	216	209	214
	Ammonia						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	New Monitoring Wells Installed In 2010					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium						0.0676	0.073	0.0706	0.0746	0.0676	0.0748	0.0754	0.0794	0.0814	0.07	0.073	0.077	0.0745
	Beryllium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium						82.7	80.5	83.4	91.2	81.4	83	86.2	90	85.2	86	89	84.9	83.7
	Chloride						84.6	84.7	85.5	89.5	86.4	91	89.4	92.4	97.1	99.8	99.2	97.9	98.5
	Chromium						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
	COD						6.2	9.6	3.4	12.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper						0.0063	ND	ND	ND	ND	0.01	ND	ND	ND	0.0012	ND	ND	ND
	Hardness						360	313	67	334	316	314	328	340	342	368	344	324	340
	Iron						0.571	ND	ND	0.498	0.447	0.537	0.411	0.458	0.498	ND	ND	0.478	0.456
	Lead						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium						27.6	31.4	31.2	32.2	26.9	28.1	30.4	30.2	28.7	29	29	29.2	30.1
	Manganese						0.0306	0.0323	0.0324	0.0382	0.0403	0.0331	0.0371	0.0342	0.0361	0.026	0.032	0.036	0.0353
	Mercury						0.0002	ND	ND	ND	0.0003	0.0002	0.0003	0.0002	0.0002	0.0002	ND	ND	ND
	Nickel						ND	ND	ND	0.0058	0.0068	ND	0.0057	0.0051	ND	ND	ND	0.0028	0.0025
	Nitrate						1.467	1.62	1.6	1.88	2.08	2.27	2.44	2.7	2.91	3.31	3.46	3.68	3.74
	pH								5.85	5.88	5.64	6.2	6.07	6.15	6.28	6.7	6.1	6.14	5.9
	Potassium						3.3	4.07	3.53	3.5	3.67	4.71	3.35	3.66	3.45	3.4	3.8	3.26	3.34
	Selenium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium						19.9	18.2	17.9	18.9	15.9	19.9	16.4	17.7	17.7	17	19	17.6	18.2
	Spec. Cond.								586.8	713.4	706.1	781	673.7	676.3	716.8	615.2	710	700	708.7
	Sulfate						6.18	ND	6.71	7.55	7.58	7.33	8.33	9.35	10.5	11.4	10.2	12.5	12.6
	TDS						540	572	640	560	480	474	502	458	454	472	412	ND	508
	Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	464	ND
	Turbidity						0.232	0.364	NT	NT	NS	0	0	0.69	0	0.7	0.47	0	0.00
	Vanadium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc						ND	ND	ND	0.005	0.0062	ND	0.0066	0.0064	0.0054	ND	ND	ND	ND

NT: Not Tested
NS: Not Sampled
ND: Not Detected
Note: Benchmark exceedances are indicated in Red

TABLE A - Results for Filtered and Unfiltered Metal Samples

Parameter		Monitoring Well									
		MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10
Antimony	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	Unfiltered	0.012	0.00339	0.0153	0.0468	0.0255	0.0512	0.023	0.0315	0.0248	0.0083
	Filtered	0.0119	0.0034	0.0155	0.0372	0.0172	0.0511	0.0228	0.0309	0.014	0.00238
Beryllium	Unfiltered	ND	ND	ND	0.00013	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	Unfiltered	8.85	10.4	13.2	10.2	12.9	17.7	11.8	6.31	19	5.14
	Filtered	8.9	12	13.2	8.15	9.18	17	10.4	6.36	12.7	3.5
Chromium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	0.00223	ND	ND
Cobalt	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Unfiltered	0.00282	ND	0.00435	0.005	0.0078	0.00396	0.00254	0.00291	0.0066	0.00554
	Filtered	0.00406	0.00226	0.00486	0.00678	0.0054	0.007	0.00364	0.00542	ND	0.00482
Iron	Unfiltered	ND	ND	ND	ND	0.447	ND	ND	ND	1.9	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	0.875	ND
Lead	Unfiltered	ND	ND	ND	ND	0.00072	ND	ND	ND	0.0007	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium	Unfiltered	4.48	4.42	8.79	7.13	8.1	11.4	8.25	5	5.32	3.34
	Filtered	4.51	5.07	8.71	6.2	6.03	11	7.27	4.99	3.95	2.63
Manganese	Unfiltered	ND	ND	0.00557	0.0119	0.025	0.176	0.00636	0.00706	0.211	ND
	Filtered	ND	ND	ND	0.00739	ND	0.17	0.00577	0.00653	0.118	ND
Mercury	Unfiltered	ND	ND	ND	ND	ND	0.00033	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Unfiltered	ND	ND	0.0045	0.00628	ND	0.00562	0.00284	0.00664	ND	ND
	Filtered	ND	ND	0.00468	0.00517	ND	0.00558	0.00285	0.00652	ND	ND
Potassium	Unfiltered	0.753	0.933	1.77	1.16	1.32	1.61	1.38	0.713	1.08	0.556
	Filtered	0.753	1.08	1.76	1.04	0.884	1.55	1.22	0.719	0.793	0.491
Selenium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	Unfiltered	5.41	5.58	11.8	5.01	3.37	6.4	8.71	5.13	6.32	5.87
	Filtered	5.43	6.43	11.8	4.44	2.33	6.2	7.72	5.12	5.3	5.2
Thallium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	Unfiltered	0.0043	ND	0.00783	0.0199	0.00945	0.0152	0.00849	0.0133	0.0072	ND
	Filtered	0.00408	ND	0.00984	0.0187	0.0054	0.0191	0.0098	0.0152	0.0024	0.00353

ND: Not Detected
NS: Not Sampled

TABLE A - Results for Filtered and Unfiltered Metal Samples

Parameter		Monitoring Well									
		MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18A	MW-19	MW-20
Antimony	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	Unfiltered	0.0223	0.00317	0.0129	0.0401	0.0972	0.0313	0.0357	0.0229	0.0465	0.0327
	Filtered	0.0133	0.00305	0.00665	0.0315	0.097	0.0318	0.0367	0.0226	0.0464	0.0262
Beryllium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	Unfiltered	8.21	3.04	5.48	57	11.5	13	3.6	1.76	4.23	9.45
	Filtered	5.18	3.13	3.43	52.4	12.4	14.7	3.47	1.66	4.98	7.13
Chromium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00202
Cobalt	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Unfiltered	0.00997	0.00278	0.00547	0.00631	0.00492	0.00262	0.00469	0.00262	0.00271	0.00574
	Filtered	0.00507	ND	0.00444	0.00257	0.00594	0.0042	0.00809	0.00554	0.00566	0.00674
Iron	Unfiltered	0.924	ND	0.826	1.35	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	0.288	ND	ND	ND	ND	ND	ND
Lead	Unfiltered	0.00105	ND	0.00058	0.00124	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium	Unfiltered	5	2.59	4.39	12.7	4.47	9.65	4.35	2.59	3.42	5.43
	Filtered	3.44	2.65	3.33	10.5	4.77	10.9	4.17	2.43	4.08	4.34
Manganese	Unfiltered	0.0312	ND	0.0119	0.0329	0.0039	0.0253	0.0117	0.0106	0.00906	0.00618
	Filtered	ND	ND	0.00208	ND	0.00362	0.0243	0.0119	0.0104	0.00889	0.00223
Mercury	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Unfiltered	ND	ND	ND	ND	0.00223	0.00654	0.00529	0.00348	0.0035	ND
	Filtered	0.00272	ND	ND	ND	0.00218	0.0065	0.00539	0.00347	0.00346	0.00331
Potassium	Unfiltered	1.26	0.609	0.256	1.68	0.871	0.87	1.25	1.06	1.03	0.763
	Filtered	0.907	0.631	ND	1.37	0.944	0.986	1.21	0.989	1.22	0.634
Selenium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	Unfiltered	5.62	4.96	6.06	5.88	7.59	5.78	3.95	3.35	4.62	5.42
	Filtered	4.32	5.1	5.24	4.83	8.17	6.51	3.81	3.14	5.47	4.54
Thallium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	Unfiltered	0.0188	0.00212	0.00869	0.00694	0.0189	0.0182	0.0204	0.00549	0.0122	0.0147
	Filtered	0.0131	0.00219	0.0044	0.003	0.0165	0.0198	0.0228	0.00701	0.0136	0.0157

ND: Not Detected
NS: Not Sampled

TABLE A - Results for Filtered and Unfiltered Metal Samples

Parameter		Monitoring Well							
		MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	MW-27	AVERAGE
Antimony	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND
Barium	Unfiltered	0.0183	0.0094	0.0404	0.0333	0.0971	0.0383	0.0586	0.0327
	Filtered	0.0183	0.0399	0.0401	0.0328	0.098	0.0388	0.0597	0.0315
Beryllium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	0.0001
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	Unfiltered	14.9	12.5	5.57	12.9	16.7	13	5.5	11.6237
	Filtered	11.4	9.58	5.82	12.9	15.4	14.3	5.65	10.5526
Chromium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	0.0021
Cobalt	Unfiltered	ND	ND	0.0024	ND	ND	ND	ND	0.0024
	Filtered	ND	ND	0.00237	ND	ND	ND	ND	0.0024
Copper	Unfiltered	0.00571	0.00519	0.00384	0.00348	0.00425	0.00654	0.00437	0.0047
	Filtered	0.00408	0.0044	0.00597	0.00486	0.0129	0.0122	0.00765	0.0058
Iron	Unfiltered	ND	ND	ND	ND	ND	0.365	ND	0.9687
	Filtered	ND	ND	ND	ND	ND	ND	ND	0.5815
Lead	Unfiltered	ND	0.0005	ND	ND	ND	ND	ND	0.0008
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium	Unfiltered	9.54	5.1	4.63	9.68	13	8.14	5.08	6.5181
	Filtered	7.2	8.26	4.86	9.64	12	8.93	5.36	6.1933
Manganese	Unfiltered	0.00438	0.00746	0.183	0.0317	0.00878	0.00627	0.0349	0.0375
	Filtered	ND	0.00317	0.183	0.0304	0.00855	0.00658	0.0337	0.0354
Mercury	Unfiltered	ND	ND	0.00044	ND	ND	ND	ND	0.0004
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Unfiltered	ND	ND	0.00644	ND	0.00673	0.00523	0.00352	0.0049
	Filtered	ND	0.00296	0.00642	ND	0.0069	0.00325	0.00346	0.0044
Potassium	Unfiltered	3.29	1.03	1.22	1.41	2.19	1.47	1.67	1.2298
	Filtered	2.43	1.31	1.27	1.41	2	1.58	1.72	1.1885
Selenium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND
Silver	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	Unfiltered	16.7	6.14	6.19	6.1	16.5	7.92	20	7.2733
	Filtered	12.6	3.75	6.52	6.06	15.2	8.76	20.8	6.8441
Thallium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	Unfiltered	0.00277	0.00542	0.0188	0.00514	0.0206	0.0222	0.00675	0.0118
	Filtered	0.00359	0.0106	0.0212	0.00716	0.025	0.028	0.00885	0.0119

ND: Not Detected
NS: Not Sampled

Appendix E

Table of Groundwater Elevations and

Groundwater Elevation Contour Map

Results in (ft. AMSL)

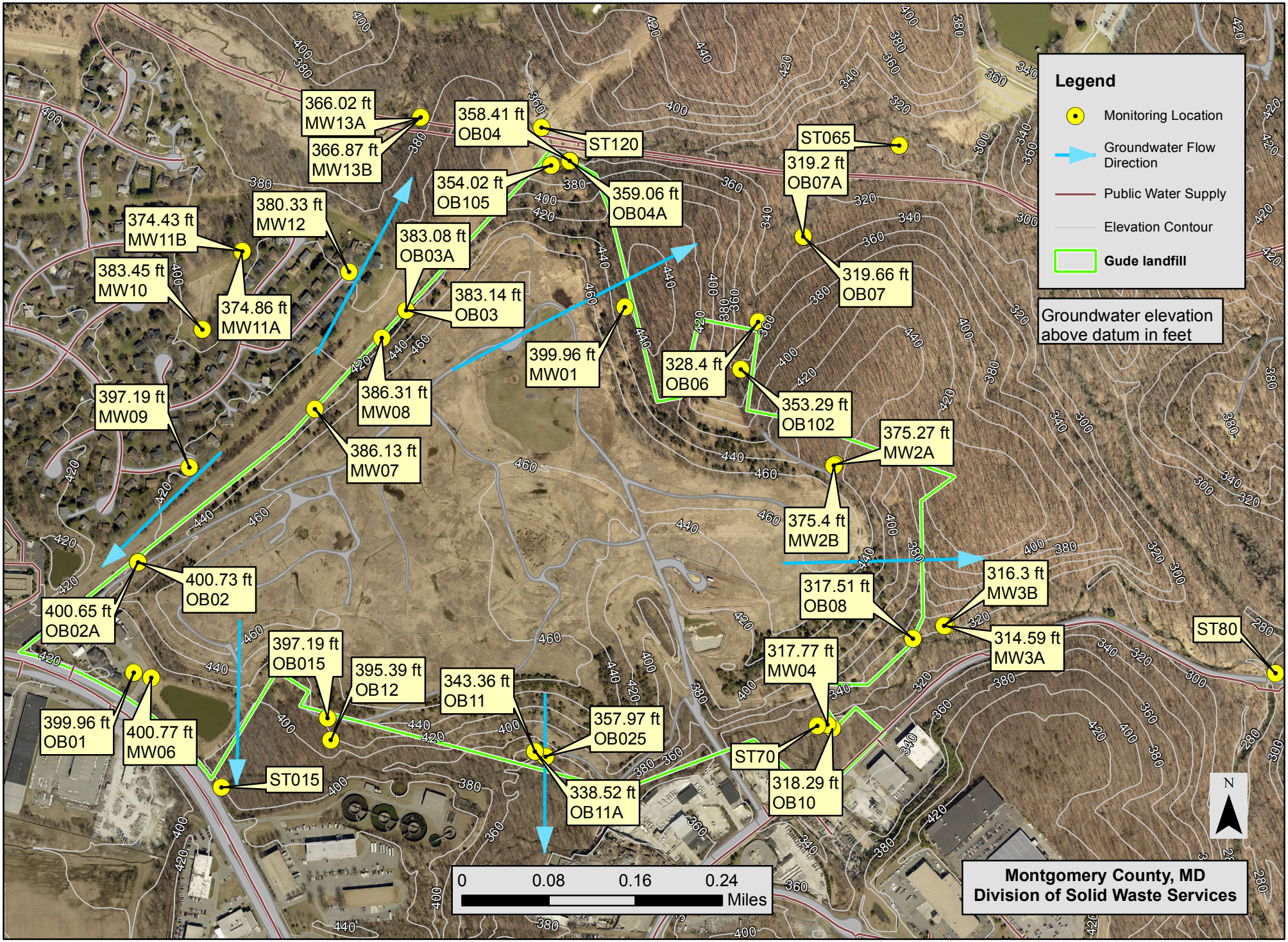
TABLE 5 - Water Table Elevations
Gude Landfill

Monitoring Well	Well Elevation (ft)	Spring 2015 Water Elevation (ft)	Fall 2015 Water Elevation (ft)	Spring 2016 Water Elevation (ft)	Fall 2016 Water Elevation (ft)	Elevation Change From Spring 2016	Fall 2016 Measured Water Elevation From Ground Level (ft)
OB01	415.90	402.59	399.40	401.84	399.96	-1.9	15.94
OB02	418.48	404.14	400.31	403.28	400.73	-2.6	17.75
OB02A	418.61	404.52	400.22	403.45	400.65	-2.8	17.96
OB03	409.86	389.42	384.25	386.18	383.14	-3.0	26.72
OB03A	410.06	388.46	384.24	386.17	383.08	-3.1	26.98
OB04	364.21	359.95	358.57	359.42	358.41	-1.0	5.80
OB04A	365.37	360.63	359.19	360.06	359.06	-1.0	6.31
OB06	339.78	332.99	328.63	330.59	328.40	-2.2	11.38
OB07	329.49	324.22	319.60	322.50	319.66	-2.8	9.83
OB7A	328.44	323.50	319.00	321.96	319.20	-2.8	9.24
OB08	325.11	319.23	318.00	318.40	317.51	-0.9	7.60
OB08A	325.31	318.91	317.65	318.04	317.19	-0.9	8.12
OB10	325.77	319.18	318.27	318.85	318.29	-0.6	7.48
OB102	363.17	352.86	350.96	351.45	353.29	1.8	9.88
OB105	363.45	361.13	359.66	360.39	354.02	-6.4	9.43
OB11	362.56	354.71	352.79	353.91	343.36	-10.6	19.20
OB11A	361.90	353.91	352.44	353.42	338.52	-14.9	23.38
OB12	405.01	389.49	385.26	388.54	395.39	6.9	9.62
OB015	410.01	391.47	386.07	390.45	397.19	6.7	12.82
OB025	361.89	354.67	352.10	354.17	357.97	3.8	3.92
MW1B	434.00	387.14	387.58	383.79	383.44	-0.4	50.56
MW2A	445.53	378.42	381.99	374.97	375.27	0.3	70.26
MW2B	444.45	378.42	382.01	374.59	375.40	0.8	69.05
MW3A	324.54	316.13	314.89	315.45	314.59	-0.9	9.95
MW3B	324.73	318.24	315.28	317.07	316.30	-0.8	8.43
MW04	324.75	318.59	317.93	318.35	317.77	-0.6	6.98
MW06	417.29	403.40	400.31	402.76	400.77	-2.0	16.52
MW07	433.81	391.09	387.91	388.37	386.13	-2.2	47.68
MW08	412.66	394.17	387.40	389.92	386.31	-3.6	26.35
MW09	417.69	400.95	397.09	400.05	397.19	-2.9	20.50
MW10	394.03	390.48	383.56	387.30	383.45	-3.8	10.58
MW11A	393.45	381.79	374.79	379.66	374.86	-4.8	18.59
MW11B	393.40	378.93	374.22	377.68	374.43	-3.3	18.97
MW12	397.55	384.58	380.85	383.77	380.33	-3.4	17.22
MW13A	373.37	368.00	365.60	367.52	366.02	-1.5	7.35
MW13B	373.35	368.72	366.49	368.24	366.87	-1.4	6.48
AVERAGE						**-1.9**	

NOTES:
- Elevations are from Sea Level

FALL 2016

General Groundwater Flow Direction at Gude Landfill - Fall 2016



Appendix F

Statistical Analysis

EA Project No. 14982.01

Topic: Statistical Analysis Summary: Fall 2016 Semi-Annual Groundwater Sampling
Gude Landfill, Montgomery County

Date: 14 November 2016

INTRODUCTION

EA Engineering, Science, and Technology, Inc., PBC (EA) performed statistical analysis for Gude Landfill groundwater monitoring data as a supplement to the Fall 2016 Semi-Annual Groundwater Monitoring Report. The purpose of this Technical Memorandum is to present the statistical trends in concentrations observed following the August 2016 sampling event. Statistical analysis was performed for wells within the Gude Landfill groundwater monitoring network using data collected from 2001 through August 2016, when available. Groundwater monitoring wells OB01, OB02, OB02A, OB03, OB03A, OB04, OB04A, OB06, OB07, OB07A, OB08, OB08A, OB10, OB11, OB11A, OB12, OB015, OB025, OB102, and OB105 were installed between 1984 and 1988. The statistical trend analysis for these wells used monitoring data since 2001. Groundwater monitoring wells MW-1B, MW-2A, MW-2B, MW-3A, MW-3B, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11A, MW-11B, MW-12, MW-13A, and MW-13B were installed in 2010 and first sampled in July 2010. All available data were used in the statistical analysis for these wells.

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

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

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

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

STATISTICAL ANALYSIS METHODOLOGY

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

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

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

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

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

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

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

GROUNDWATER TREND RESULTS

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

Volatile Organic Compounds

Twelve (12) VOCs were identified as having increasing statistical trends, and sixteen (16) of the monitoring wells had one (1) or more VOCs with increasing statistical trends (Table 1). Twelve (12) VOCs were identified as having decreasing trends, and fourteen (14) of the monitoring wells had one (1) or more VOCs with decreasing statistical trends (Table 2). Eight (8) VOCs (benzene; chlorobenzene; 1,1-dichloroethane; cis-1,2-dichloroethene; 1,2-dichloropropane; methylene chloride; tetrachloroethene; vinyl chloride) had both decreasing and increasing trends. Four (4) VOCs had only increasing trends: 1,2-dichlorobenzene (OB03, OB11, OB11A); 1,4-dichlorobenzene (OB03, OB03A, OB04, OB04A, OB08, OB08A, OB10, OB11, OB11A, OB12, OB105); 1,2-dichloroethane (OB11, OB12); and trans-1,2-dichloroethene (OB10, OB12). Four (4) VOCs had only decreasing trends: chloroethane (OB03, OB03A), dichlorodifluoromethane (MW-13A, MW-13B, OB03, OB03A, OB10, OB11, OB11A), trichloroethene (MW-13B, OB01, OB02A, OB03, OB08A, OB11A), and trichlorofluoromethane (OB11A).

Metals

Twenty-five (25) metals (total and dissolved) were identified as having increasing statistical trends, and eighteen (18) of the monitoring wells had one (1) or more metals with increasing statistical trends (Table 1). Twenty-nine (29) metals (total and dissolved) were identified as having decreasing statistical trends, and thirty-one (31) of the monitoring wells had one (1) or more metals with decreasing statistical trends (Table 2). The trend analysis does not indicate an overall trend of improvement or degradation in the groundwater quality with respect to metals concentrations. Beginning with the Spring 2015 sampling event, low-flow groundwater sampling methods were employed due to issues with high metal concentrations potentially related to high turbidity. Future data will be assessed to determine whether the reported concentrations of metals in samples collected using low-flow sampling methods are consistently lower than the concentrations reported using the old methodology. If such a difference is observed, the changed sampling methodology could result in artificial decreasing trends in total metals, which do not reflect changes in groundwater chemistry. If needed, the statistical methods used as part of the semi-annual groundwater evaluation could be modified to address such artificial trends. In order to conduct meaningful comparisons, it is recommended that a minimum of four (4) years of low-flow sampling (8 events) be collected before conducting hypothesis testing to compare the low-flow methodology to those obtained using three (3) well volume purge methods.

General Indicator Parameters

Twenty-seven (27) monitoring well locations were determined to have statistically increasing trends for one (1) or more general indicator parameters (Table 1), and thirty (30) monitoring well locations were determined to have statistically decreasing trends for general indicator parameters (Table 2). Wells that did not exhibit statistically increasing general indicator parameters, but had other statistically increasing trends include OB025 and OB105.

REFERENCES

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

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

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

Attachments:
Tables

Tables

Table 1
Gude Landfill Groundwater Monitoring Data
Chemical Constituents with Statistically Significant Increasing Trends
(2001 through August 2016)

	GROUNDWATER MONITORING WELL LOCATIONS																												
Parameter	MW-2A	MW-4	MW-6	MW-8	MW-9	MW-10	MW-11A	MW-11B	MW-12	MW-13A	MW-13B	OB01	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB11	OB11A	OB12	OB025	OB102	OB105
1,1 Dichloroethane																										X			
1,2-Dichlorobenzene														X										X	X				
1,2-Dichloroethane																								X		X			
1,2-Dichloropropane																										X			
1,4-Dichlorobenzene														X	X	X	X				X	X	X	X	X	X			X
Benzene																X	X									X			
Chlorobenzene																X	X	X			X	X	X			X		X	
cis-1,2-Dichloroethene																			X		X					X	X		X
Methylene Chloride																X													
Tetrachloroethene								X																					
trans-1,2-Dichloroethene																							X			X			
Vinyl Chloride																							X		X				
Arsenic, dissolved																						X							
Arsenic, total																	X												
Barium, dissolved			X									X					X				X								
Barium, total												X	X			X	X				X		X					X	X
Cadmium, dissolved																								X					
Cadmium, total																								X					
Calcium, dissolved			X									X							X				X		X	X			
Calcium, total			X									X				X	X		X				X		X	X			
Cobalt, dissolved			X							X																			
Cobalt, total												X									X	X	X						X
Copper, total																X													
Iron, dissolved			X																										
Magnesium, dissolved			X									X											X	X	X				
Magnesium, total												X							X				X	X	X				
Manganese, dissolved			X													X	X	X	X				X	X	X				
Manganese, total												X	X	X		X	X	X	X				X	X	X				X
Mercury, total																			X					X					
Nickel, dissolved			X																										
Nickel, total												X	X			X	X						X	X				X	X
Potassium, dissolved												X																X	
Potassium, total												X											X					X	
Selenium, dissolved																									X				
Selenium, total																X	X	X	X	X				X				X	X
Sodium, dissolved			X									X						X						X	X				
Sodium, total												X						X					X	X					
Alkalinity																		X	X					X	X	X			
Ammonia Nitrogen																X						X						X	
Chemical Oxygen Demand																X													
Chloride		X	X		X			X		X	X	X	X	X		X	X	X	X	X			X	X	X	X			
Hardness	X											X	X			X	X		X				X			X			
Nitrate		X						X			X	X	X						X										
Nitrate+Nitrite		X					X	X			X	X	X																
Specific Conductivity, Field			X									X					X	X							X				
Sulfate, total		X		X		X			X		X							X	X		X			X					
Turbidity, Field															X														
Temperature, Field																		X											

Notes:
1. Monitoring wells MW-1B, MW-2B, MW-3A, MW-3B, MW-7, OB02, and OB015 had no parameters with increasing trends
2. Existing monitoring wells MW-1B, MW-2A, MW- 2B, MW-3A, MW-3B, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11A, MW-11B, MW-12, MW-13A and MW-13B were first sampled in 2010.

Table 2
Gude Landfill Groundwater Monitoring Data
Chemical Constituents with Statistically Significant Decreasing Trends
(2001 through August 2016)

	GROUNDWATER MONITORING WELL LOCATIONS																																				
Parameter	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11A	MW-11B	MW-12	MW-13A	MW-13B	OB01	OB02	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB11	OB11A	OB12	OB015	OB025	OB102	OB105
1,1-Dichloroethane																	X																			
1,2-Dichloropropane																	X																			
Benzene															X	X				X	X										X					
Chlorobenzene																				X	X										X					
Chloroethane																				X	X															
cis-1,2-Dichloroethene																	X	X	X					X		X										
Dichlorodifluoromethane															X	X				X	X								X	X	X					
Methylene Chloride															X																X					
Tetrachloroethene															X	X				X	X										X					
Trichloroethene																X	X		X	X								X			X					
Trichlorofluoromethane																															X					
Vinyl Chloride															X	X	X																X			
Arsenic, total																				X	X															
Barium, dissolved		X		X					X					X						X	X															
Barium, total				X	X	X			X		X	X		X						X	X				X							X	X			
Cadmium, total																															X					
Calcium, dissolved	X			X						X				X																		X				
Calcium, total				X						X				X																		X				
Chromium, total				X								X																				X				
Cobalt, dissolved																					X															
Cobalt, total				X								X									X										X		X			
Copper, dissolved														X																X	X			X	
Copper, total	X			X	X		X		X		X	X					X	X	X	X	X					X	X	X	X	X		X	X			
Iron, dissolved														X				X			X															
Iron, total	X			X		X			X			X								X																
Lead, total				X	X		X					X																					X			
Magnesium, dissolved	X			X	X									X																						
Magnesium, total				X							X	X		X																			X			
Manganese, dissolved					X					X		X															X							X		
Manganese, total	X			X		X			X		X	X		X																		X				
Mercury, total																																X				
Nickel, dissolved						X								X	X																					
Nickel, total						X			X					X							X											X				
Potassium, dissolved	X				X									X																X		X			
Potassium, total	X			X	X							X		X										X						X		X			
Selenium, total							X																													
Sodium, dissolved	X				X				X						X												X								
Sodium, total	X		X	X	X				X						X											X	X							X	
Vanadium, total				X	X							X																								
Zinc, dissolved								X												X		X		X					X	X						
Zinc, total	X		X	X	X	X	X	X	X		X	X		X							X			X					X		X	X			X	
Alkalinity							X									X	X										X									
Chemical Oxygen Demand																																				X	
Chloride									X					X																						
Hardness														X																						X	
Nitrate								X							X									X								X				
Nitrate+Nitrite								X							X									X								X				
Nitrite																								X												
ORP, Field	X										X		X	X													X							X		
pH, Field						X																							X							
Specific Conductivity, Field																																				
Sulfate, total																															X					X
Total Dissolved Solids (TDS)		X				X		X	X					X	X	X				X	X	X	X	X		X		X		X			X		X	
Turbidity, Field									X	X		X											X												X	X

Notes:

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