WATER QUALITY MONITORING REPORT

for

GUDE LANDFILL

Montgomery County, Maryland

FALL 2017

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 162 acres, of which approximately 140 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 near and potentially resulting from the Gude Landfill. The Gude Landfill Assessment of Corrective Measures (ACM) dated April 2016 included a Work Plan for the Recommended Corrective Measure Alternative, toupee capping and additional landfill gas collection. As part of the Work Plan, a total of nine (9) groundwater monitoring well shallow and deep pairs (eighteen [18] total groundwater monitoring wells) were proposed. In 2017, twelve of this wells were installed. (MW16 A/B, MW19 A/B, MW21 A/B, MW22 A/B, MW23 A/B, MW24 A/B), twelve (12) new monitoring wells were installed, per 2016 updated G&SWM Plan. MW17 A/B and MW18 A/B (along the west/northwestern property boundary) are in an area that will be impacted by the capping project; therefore, the DEP/DSWS proposed to install these well pairs during the construction of the cap. 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:

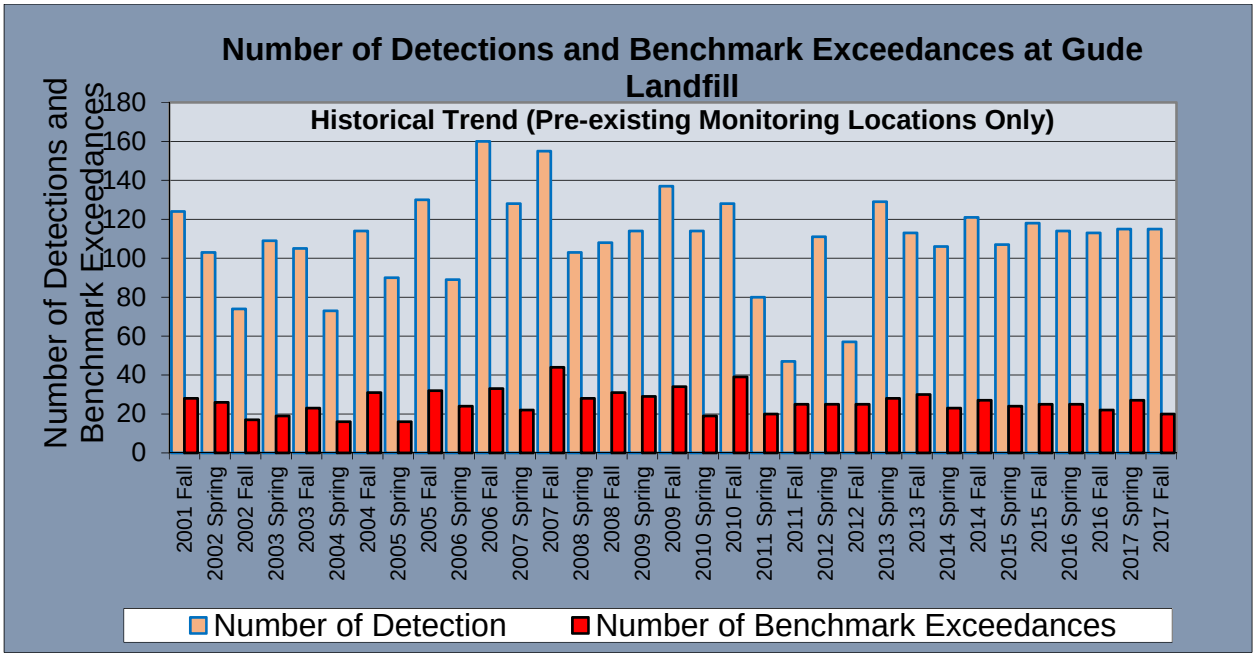
The highlights of the results for this reporting period are described below. Please refer to Table 1 of the report for all the VOC results from the current sampling and to Table 2 and Appendix F for historical trend analyses.

- 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 and 2017:** MW1B, MW2A, MW2B, MW3A, MW3B, MW04, MW06, MW07, MW08, MW10, MW11A, MW11B, MW12, MW16A, MW16B, MW19A, MW19B, MW21A, MW21B, MW22B, MW23A, MW23B, and MW24B.
  - **Stream Locations:** No VOCs were detected above the Benchmark in any of the monitored stream locations.

- Fourteen (14) VOCs were identified as having increasing statistical trends and eighteen (18) of the monitoring wells had one (1) or more VOCs with increasing statistical trends.
- Thirteen (13) VOCs were identified as having decreasing trends and fourteen (14) of the monitoring wells had one (1) or more VOCs with decreasing statistical trends.
- Ten (10) VOCs (benzene; chlorobenzene; 1,1-dichloroethane; cis-1,2-dichloroethene; 1,2-dichloropropane; methylene chloride; tetrachloroethene; trans-1,2-dichloroethene; trichloroethene; vinyl chloride) had both decreasing and increasing trends.
- Four (4) VOCs had only increasing trends: 1,2-dichlorobenzene (OB03, OB11, OB11A); 1,4-dichlorobenzene (MW07, OB03, OB03A, OB04, OB04A, OB08, OB08A, OB10, OB11, OB11A, OB12, OB105); and 1,2-dichloroethane (OB12); and chloroform (OB10, OB12).
- Three (3) VOCs had only decreasing trends: chloroethane (OB03, OB03A), dichlorodifluoromethane (MW13A, MW13B, OB03, OB03A, OB4A, OB10, OB11, OB11A), and trichlorofluoromethane (OB11A).
- A total of 32 VOCs exceeded the Benchmark in the following monitoring wells:
  - **Pre-existing monitoring wells:** OB03 (3 exceedances), OB03A (2 exceedances), OB08A (1 exceedance), OB10 (2 exceedances), OB11 (5 exceedances), OB11A (2 exceedances), OB12 (4 exceedances), and OB25 (1 exceedance).
  - **Monitoring wells installed in 2010 and 2017:** MW09 (1 exceedance), MW13A (5 exceedances), MW13B (4 exceedances), MW22A (1 exceedance), and MW24A (1 exceedance).

  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 5.28 ug/l in MW13A to 10.5 ug/l in OB12.
- cis-1-2-Dichloroethene concentration exceeded the Benchmark of 70 ug/l in observation wells OB11 and MW13A. Concentrations exceeding the Benchmark for this compound were 78.2 ug/l in OB11 and 80.7 ug/l in MW13A.
- Dichloromethane concentration exceeded the Benchmark of 5 ug/l in observation well OB11 at 5.71 ug/l.
- Tetrachloroethene concentration exceeded the Benchmark of 5 ug/l in observation wells OB11, OB12, MW09, MW13A, and MW13B. Concentrations exceeding the Benchmark for this compound ranged from 11.9 ug/l in MW09 to 21.2 ug/l in OB12.
- Trichloroethene concentration exceeded the Benchmark of 5 ug/l in observation wells OB03, OB10, OB11, OB11A, OB12, MW13A, MW13B, and MW22A. Concentrations exceeding the Benchmark for this compound ranged from 5.21 ug/l in MW22A to 21.3 ug/l at OB12.
- Vinyl chloride concentration exceeded the Benchmark of 2 ug/l in observation wells OB03, OB03A, OB08A, OB10, OB11, OB11A, OB12, OB25, MW13A, MW13B, and MW24A. Concentrations exceeding the Benchmark for this compound ranged from 2.82 ug/l in OB08A to 13.2 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-eight (28) metals (total and dissolved) were identified as having increasing statistical trends and twenty-two (22) 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 0.014 mg/l concentration).
    - **Monitoring wells installed in 2010 and 2017**: MW24B (1 exceedance of the 0.01 mg/l Benchmark for arsenic -vs- actual at 0.03 mg/l concentration)..
    - **Stream Locations**: No exceedances.

As part of the 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 0.012 mg/l concentration. Arsenic with a Benchmark of 0.01 mg/l was exceeded in filtered sample collected from MW24B at 0.003 mg/l concentration. As indicated above, the cadmium concentrations at OB11 and arsenic concentrations at MW24B exceeding the Benchmarks are identical for both filtered and unfiltered samples.

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 both 2010 indicate that the overall average groundwater elevation at Gude Landfill has decreased by 0.9 ft. from Spring 2016 to Fall 2017. 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 2017) and the historical data in the past several years indicate that:

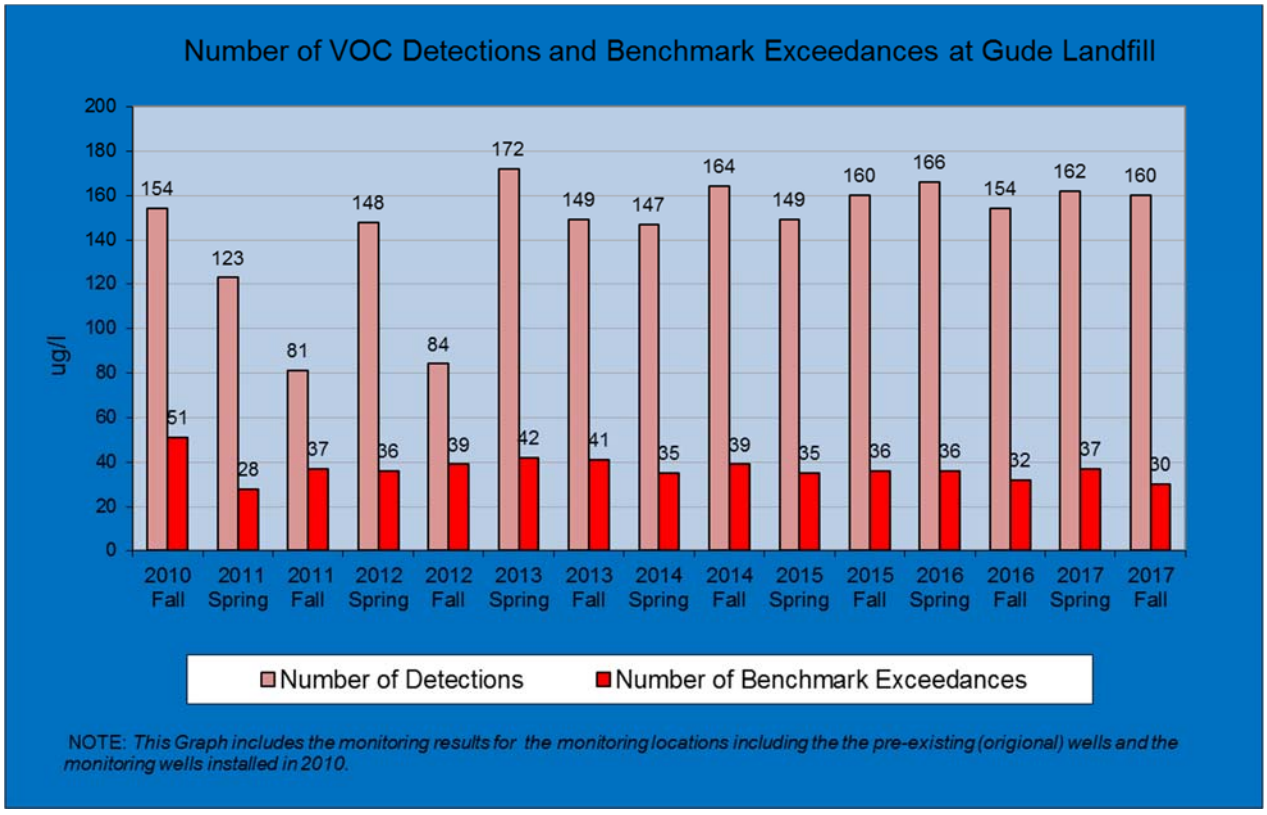
I. There are indications of some low level groundwater and surface water contamination in the vicinity of Gude Landfill, including multiple Benchmark exceedances.
II. Detected contaminants at Gude Landfill mainly involve chlorinated solvent degradation products including 1,1-dichloroethane, 1,2-dichloropropane, 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.

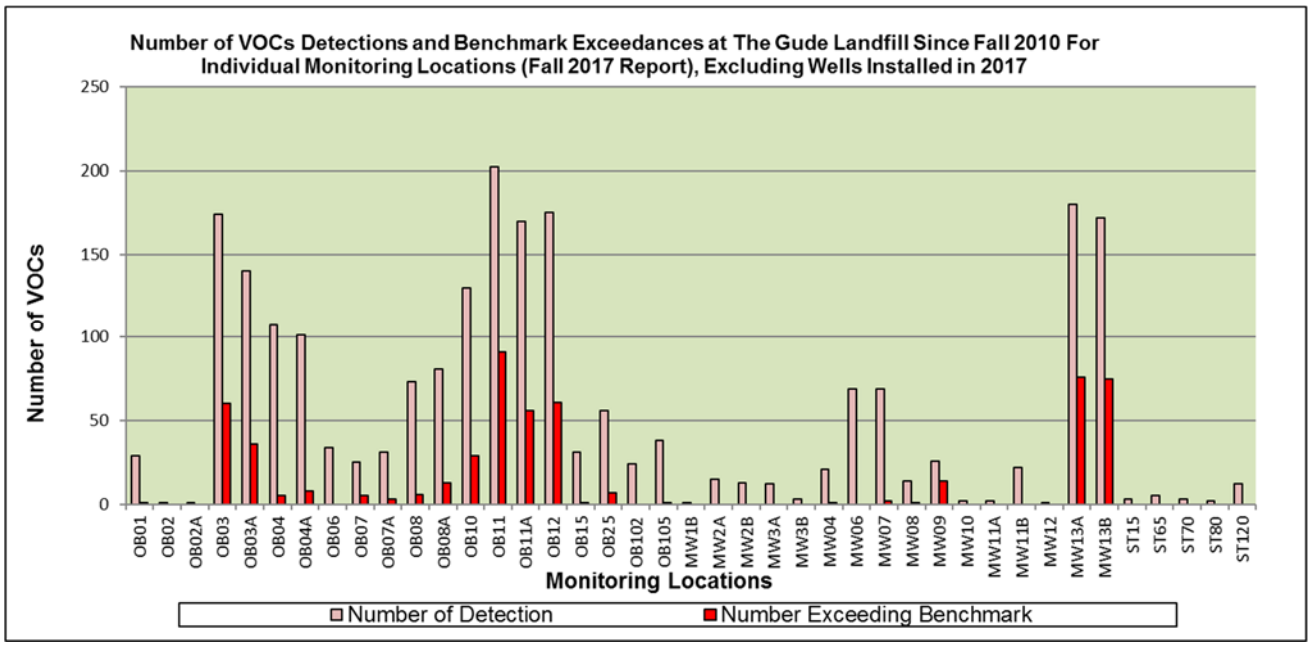
To provide an overall perspective on the quality of groundwater and surface water around the Gude Landfill, a summary of statistical trend analyses and observations are provided below and are included in Appendix F of this report. Please refer to the attached tables and diagrams for additional information.

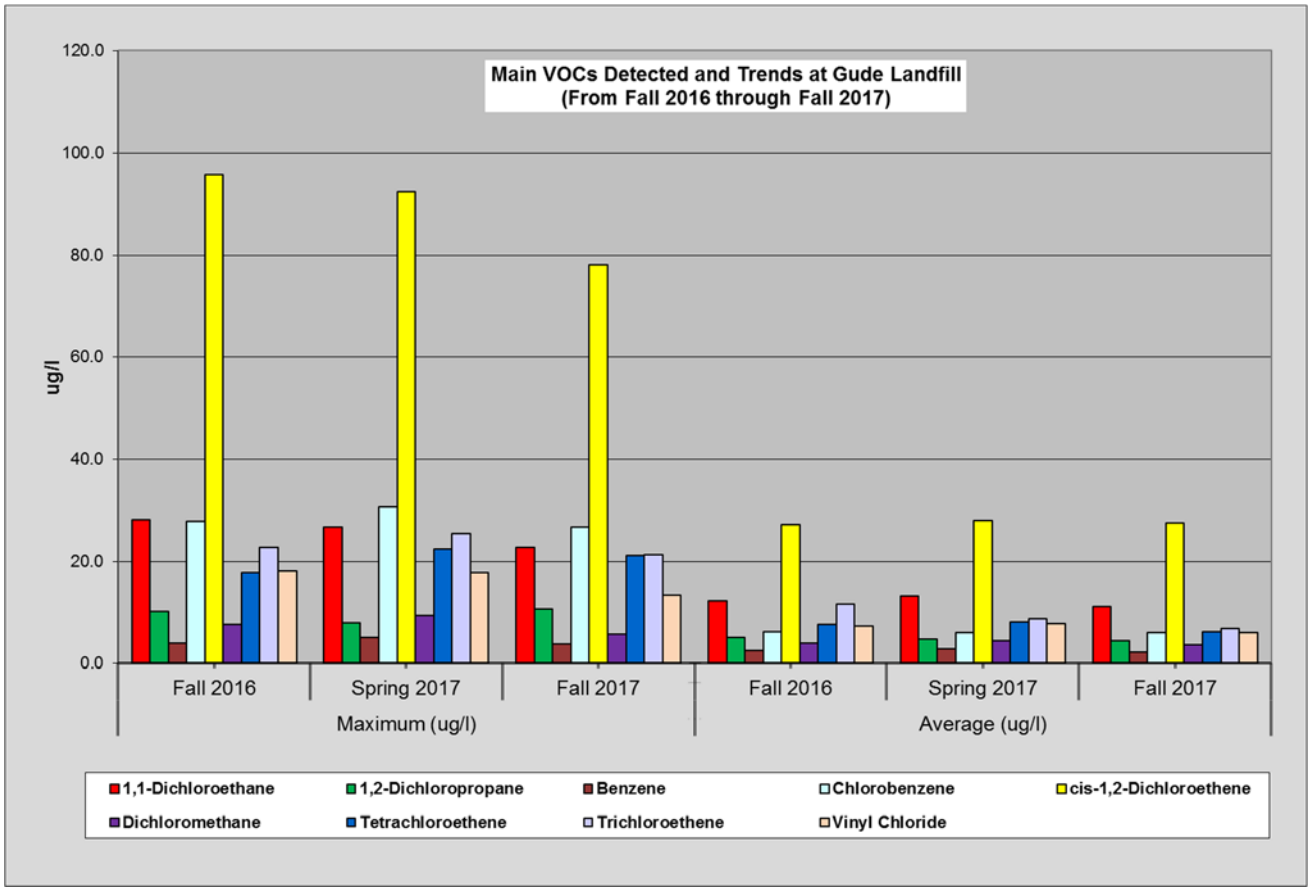
- Groundwater flow around the landfill appears to follow the general topography of the area where the landfill is located and it follows the general surface water flow direction. The overall surface water flow in the area is towards the east and south away from the landfill.
- Most of the detected groundwater 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 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.




Number of VOCs Detections and Benchmark Exceedances at The Gude Landfill Since Fall 2010 For Individual Monitoring Locations (Fall 2017 Report), Excluding Wells Installed in 2017
Number of VOCs
250
200
150
100
50
0
OB01 OB02 OB02A OB03 OB03A OB04 OB04A OB06 OB07 OB07A OB08 OB08A OB10 OB11 OB11A OB12 OB15 OB25 OB102 OB105 MW1B MW2A MW2B MW3A MW3B MW04 MW06 MW07 MW08 MW09 MW10 MW11A MW11B MW12 MW13A MW13B ST15 ST65 ST70 ST80 ST120
Monitoring Locations
Number of Detection
Number Exceeding Benchmark


Main VOCs Detected and Trends at Gude Landfill
(From Fall 2016 through Fall 2017)
ug/l
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Fall 2016
Spring 2017
Fall 2017
Maximum (ug/l)
Fall 2016
Spring 2017
Fall 2017
Average (ug/l)
1,1-Dichloroethane
1,2-Dichloropropane
Benzene
Chlorobenzene
cis-1,2-Dichloroethene
Dichloromethane
Tetrachloroethene
Trichloroethene
Vinyl Chloride

Appendix A

Gude Landfill Aerial Photo and Sample Locations

Groundwater and Surface Water Monitoring Locations at Gude Landfill - Fall 2017

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	OB11	OB11A	OB12	OB15	OB25	OB102	OB105	MW1B	MW2A	MW2B	MW3A
Fall 2017	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	22.8	22.7	ND	ND	ND	ND	ND	ND	ND	1.97	12.8	13.5	17.2	3.8	2.71	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	2.01	1.66	ND	ND	ND	ND	ND	ND	ND	ND	2.85	2.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	3.5	3.04	ND	ND	ND	ND	ND	ND	ND	ND	2.49	2.16	1.66	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	**7.06**	**6.66**	ND	ND	ND	ND	ND	1.1	ND	2.53	4.81	4.2	**10.5**	1.84	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	19.5	16.9	6.46	8.35	ND	ND	ND	2.62	5.38	7.57	16.8	17.5	8.53	ND	1.82	ND	3.52	ND	ND	ND	ND
	2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	2.4	2.11	1.68	1.71	ND	ND	ND	ND	ND	1.74	3.26	1.81	3.73	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	2.39	2.02	1.66	1.64	1.55	ND	ND	3.15	6.29	3.12	26.8	21.5	3.18	ND	1.6	2.02	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	1.83	1.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	ND	ND	ND	68	69	13.7	16.9	ND	1.34	1.89	13.8	20.8	31.3	**78.2**	65.5	43.7	3.21	16.9	ND	6.77	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	2.03	2.93	ND	ND	ND	ND	ND	ND	**5.71**	ND	4.08	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	1.35	1.31	ND	ND	1.08	ND	ND	ND	**13.2**	4.99	**21.2**	ND	ND	ND	ND	ND	1.62	2.35	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	5.24	4.97	ND	ND	ND	ND	ND	ND	ND	1.87	2.71	2.84	2.52	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	**7**	3.58	1.19	1.44	ND	ND	ND	ND	ND	**6.5**	**15.4**	**12.5**	**21.3**	1.73	1.29	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.08	ND	2.29	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	**8.77**	**8.5**	1.36	1.91	ND	ND	ND	ND	**2.82**	**13.2**	**11.1**	**12.7**	**3.38**	1.17	**4.64**	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	MW3B	MW04	MW06	MW07	MW08	MW09	MW10	MW11A	MW11B	MW12	MW13A	MW13B	MW-16A	MW-16B	MW-19A	MW-19B	MW-21A	MW-21B	MW-22A	MW-22B	MW-23A	MW-23B	MW-24A	MW-24B	ST15	ST65	ST70	ST80	ST120
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	1.74	ND	ND	ND	ND	ND	ND	12.8	7.38	ND	ND	1.07	4.25	3.27	2.27	ND	ND	ND	ND	2.05	4.29	ND	NS	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.89	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5.28**	**7.97**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.13	ND	ND	NS	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	3.38	20	ND	ND	ND	ND	ND	ND	4.8	8.09	3.99	7.56	ND	ND	ND	ND	ND	ND	ND	ND	11	9.29	ND	NS	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40.3	ND	NS	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32.8	ND	NS	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Benzene	ND	ND	ND	1.05	ND	ND	ND	ND	ND	ND	1.66	2.53	ND	1.25	ND	ND	ND	ND	ND	ND	ND	ND	3.81	4.28	ND	NS	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Chlorobenzene	ND	ND	5.82	5.49	ND	ND	ND	ND	ND	ND	1.49	1.59	12	12.2	ND	ND	ND	ND	ND	ND	ND	ND	5.86	2.4	ND	NS	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.06	ND	ND	NS	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.28	ND	ND	ND	ND	ND	ND	5.22	ND	ND	ND	1.15	ND	ND	ND	NS	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	6.92	9.23	ND	ND	ND	ND	1.26	ND	**80.7**	46.1	ND	6.59	2.52	10.9	10	2.63	5.65	4.84	ND	3.43	8.36	1.46	ND	NS	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Dichloromethane	ND	ND	ND	2.98	ND	ND	ND	ND	ND	ND	3.31	2.44	ND	ND	ND	ND	ND	1.24	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Methyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Methyl-tert-butyl ether	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.38	ND	NS	ND	ND	ND
para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Tetrachloroethene	ND	ND	ND	2.54	ND	**11.9**	ND	ND	1.88	ND	**13.1**	**14.6**	ND	ND	1.22	2.84	1.79	ND	ND	ND	ND	2.14	ND	ND	ND	NS	ND	ND	ND
Toluene	ND	ND	ND	42.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	106	ND	NS	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.74	1.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	2.78	ND	NS	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Trichloroethene	ND	ND	ND	2.85	ND	ND	ND	ND	1.08	ND	**18.7**	**20.5**	ND	ND	1.99	3.94	4.88	1.15	**5.21**	2.5	ND	1.89	ND	ND	ND	NS	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Vinyl Chloride	ND	ND	ND	1.24	ND	ND	ND	ND	ND	ND	**5.78**	**4.42**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**11.2**	ND	ND	NS	ND	ND	ND
Xylene (Total)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NS	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-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	0.75	1.33	ND	ND	ND	ND	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	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	1	1.48	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	0.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	2.81	3.19	ND	ND	1.9	ND	1.64	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	ND	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	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	ND	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	1.57	1.43	ND	ND	1.3	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	0.92	0.74	ND	ND	ND	ND	1.38	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	7.71	6.6	ND	6.2	ND	6.68	1.9	2.81	2.39	2.97	1.63	1.79	1.59	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	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	5.12	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	0.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	0.34	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	0.51	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	0.67	0.70	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	0.85	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	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**2.77**	**5.09**	ND	ND	1.2	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-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	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	0.48	ND	ND	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	ND	ND	ND
	2-Hexanone	ND	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	ND
	Acetone	0.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.5	ND	ND	ND	ND	ND
	Acrylonitrile	ND	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	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	0.01	ND	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	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT

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

Location	Parameter	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	2017-S	2017-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	NT	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	0.33	ND	ND	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	ND	ND	ND
	2-Hexanone	ND	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	ND
	Acetone	ND	ND	ND	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	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	0.65	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	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	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	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	ND	ND	ND	NT	NT	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	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	2017-S	2017-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	13.2	36.40	23	ND	23	34.4	34.3	37.8	18	29.8	24.6	31.5	29.9	28.2	24	22.8
	1,1-Dichloroethene	ND	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	1.52	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	0.83	1.92	ND	ND	1.2	ND	1.47	1.57	NT	1.29	1.06	1.51	1.54	1.69	1.97	2.01
	1,2-Dichloroethane	1.24	3.84	ND	**6**	ND	ND	3.68	2.61	1.87	3.74	2.69	4.29	3.54	3.82	3.67	3.5
	1,2-Dichloropropane	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**	**7.23**	**7.06**
	1,4-Dichlorobenzene	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	18.6	19.5
	2-Butanone	ND	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	0.12	ND	8.1	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	ND	ND	ND
	Benzene	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	2.93	2.4
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	3.9	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	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	2.34	2.39
	Chloroethane	0.79	1.51	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.1	1.05	1.54	2.22	1.83
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	5.3	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68
	cis-1,2-Dichloroethene	31.7	**117.00**	38	ND	**71**	**94.9**	**97.1**	**126**	54.7	**86**	**74**	**88.5**	**87.8**	**81.6**	**77.2**	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	1.71	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	**11.00**	ND	**6.2**	ND	ND	2.39	ND	ND	3.19	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	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	5.82	5.24
	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	**17.4**	**81.60**	**21**	**82**	**47**	**75.6**	**57.9**	**87.4**	**24.2**	**45.4**	**21.9**	**35.2**	**14.6**	**21**	**10.6**	**7**
	Trichlorofluoromethane	ND	ND	ND	8.3	ND	ND	ND	ND	ND	ND	ND	1.45	1.77	2.09	ND	ND
	Vinyl Acetate	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**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**	**11.1**	**8.77**
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-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	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	26.7	22.7
	1,1-Dichloroethene	ND	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	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	0.42	0.81	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	1.87	1.66
	1,2-Dichloroethane	ND	3.30	ND	3.7	ND	ND	1.47	2.76	ND	2.66	ND	2.37	ND	2.1	3.42	3.04
	1,2-Dichloropropane	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	**7.79**	**6.66**
	1,4-Dichlorobenzene	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	18.1	16.9
	2-Butanone	0.6	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	0.13	ND	ND	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	ND	ND	ND
	Benzene	1.2	4.06	ND	4.7	1.3	ND	1.51	4.53	ND	3.33	ND	2.32	ND	1.44	2.63	2.11
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	5.21	2.78	ND	3.3	3.4	ND	2.46	2.78	1.83	2.1	ND	1.62	1.41	ND	2.16	2.02
	Chloroethane	0.33	1.31	ND	ND	ND	ND	ND	1.43	ND	ND	ND	ND	ND	ND	1.64	1.38
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	1.54	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	69
	cis-1,2-Dichloroethene	6.23	**98.10**	11	ND	33	**94.6**	34.1	**94.8**	22.9	56.2	11.2	53.2	21	49.9	**86.6**	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	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	1.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	**17.80**	ND	ND	ND	ND	ND	ND	ND	1.18	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	1.01	5.93	ND	9	2.3	6.13	2.69	5.83	1.46	4.06	ND	3.83	1.46	3.01	5.89	4.97
	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	2.71	**19.30**	ND	**56**	**18**	**64.8**	**18**	**64**	4.7	**27.2**	1.87	**20.7**	3.36	**7.06**	**5.01**	3.58
	Trichlorofluoromethane	ND	2.47	ND	6.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.33	1.93	ND
	Vinyl Acetate	0.01	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	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**	**11.2**	**8.5**
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-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	0.35	ND	22	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	0.45	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	0.46	ND	ND	ND	ND	ND	1.01	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	0.52	ND	ND	ND	ND	ND	1.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	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	ND	6.46
	2-Butanone	0.41	0.65	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	0.49	11.90	6.6	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	ND	ND	ND
	Benzene	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	1.77	1.68
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	1.18	0.90	ND	ND	1.4	ND	2.85	ND	1.38	1.39	1.56	1.53	1.7	1.3	1.33	1.66
	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	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.7
	cis-1,2-Dichloroethene	16.8	8.32	67	ND	14	12.4	27.7	ND	12.4	12.4	13.2	13.3	15.3	13.4	14.8	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	2.03
	Dichloromethane	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	1.96	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.69	0.70	**13**	ND	2	ND	3.93	1.24	1.63	1.39	1.59	1.45	1.83	1.27	1.36	1.35
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	0.45	ND	5.4	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	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	1.54	1.19
	Trichlorofluoromethane	ND	ND	3.8	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	ND	ND	ND
	Vinyl Chloride	1.26	**2.16**	ND	ND	ND	ND	**3.03**	1.71	1.4	1.49	1.57	1.41	1.68	1.35	1.46	1.36
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-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	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	0.47	ND	ND	ND	ND	ND	1.06	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	0.57	0.51	ND	ND	ND	ND	1.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	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	8.79	8.35
	2-Butanone	ND	0.78	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	ND	18.60	ND	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	ND	ND	ND
	Benzene	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	1.81	1.71
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	1.14	0.87	ND	ND	1.3	ND	2.56	ND	1.25	1.37	1.34	1.33	1.63	ND	1.47	1.64
	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	16.9
	cis-1,2-Dichloroethene	21.7	8.54	ND	ND	20	16.4	36.8	19.4	16	15.6	17.8	17.3	20.2	15.8	19	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	2.93
	Dichloromethane	3.18	3.39	ND	4.4	ND	ND	**6.57**	ND	2.88	2.8	2.74	3.43	3.85	2.98	3.3	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.52	0.60	ND	1.3	1.9	ND	3.36	ND	1.35	1.14	1.39	1.36	1.65	ND	1.29	1.31
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	0.55	ND	ND	2.2	ND	ND	1.22	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	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	1.44	1.44
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	1.83	**2.78**	ND	ND	ND	ND	**4.37**	**2.26**	1.78	**2.35**	**2.06**	1.98	**2.4**	1.68	**2.2**	1.91
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-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	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	0.93	ND	ND	7	ND	1.66	1.21	1.42	1.26	1.35	1.12	1.33	1.29	ND	ND
	2-Butanone	0.57	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	0.14	ND	ND	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	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	0.66	0.56	ND	ND	ND	ND	1.4	1.21	1.41	1.05	1.3	1.3	1.61	1.48	1.77	1.55
	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	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.82	1.64	ND	ND	1.6	ND	1.65	ND	1.39	1.28	1.21	1.21	1.34	1.12	1.26	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	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	0.68	ND	ND	ND	ND	ND	1.16	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	1.37	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	0.36	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	ND	ND	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	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-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	**19**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	0.54	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	0.47	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	**5.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	0.58	ND	ND	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	ND	ND	ND
	2-Hexanone	ND	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	ND
	Acetone	ND	ND	ND	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	ND	ND	ND
	Benzene	ND	ND	ND	**7.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	1.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.34
	cis-1,2-Dichloroethene	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	1.59	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	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.23	1.61	ND	**23**	ND	ND	1.52	ND	1.19	1.2	ND	1.14	1.07	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	0.49	0.72	ND	**23**	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	ND	ND	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	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-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	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.23	ND
	2-Butanone	ND	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	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	ND	ND	ND
	Acrylonitrile	ND	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	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	1.02	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	1.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.89
	cis-1,2-Dichloroethene	1.66	1.80	ND	ND	ND	ND	2.18	1.58	2.17	1.55	1.74	1.73	1.37	1.26	2.28	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	**5.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.94	1.82	2	**23**	2	ND	2.06	1.99	1.83	1.4	1.2	1.43	1.34	1.45	1.32	1.08
	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	0.64	0.88	ND	**21**	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	0.01	ND	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	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-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	0.46	0.87	ND	ND	ND	ND	ND	1.38	ND	1.49	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	0.54	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	0.59	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	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	1.39	1.1
	1,4-Dichlorobenzene	2.92	1.84	ND	ND	4	ND	1.01	1.59	3.66	3.52	2.4	2.39	2.7	3.4	ND	2.62
	2-Butanone	ND	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	0.21	0.50	ND	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	ND	ND	ND
	Benzene	0.63	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	0.24	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	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	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	4.77	3.15
	Chloroethane	0.41	0.55	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	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.8
	cis-1,2-Dichloroethene	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	12.1	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	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.64
	trans-1,2-Dichloroethene	0.87	0.66	ND	ND	ND	ND	ND	ND	ND	1.2	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	0.42	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	0.02	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**2.91**	**3.18**	ND	ND	**4**	**3.68**	1.78	**4.41**	**3.53**	**3.83**	1.8	1.55	ND	1.05	1.06	ND
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-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	0.44	0.97	ND	ND	ND	ND	ND	1.54	1.15	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	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	0.32	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	1.47	1.10	ND	ND	2	ND	1.08	3.09	2.11	1.8	1.86	2.06	2.14	1.95	2.11	ND
	1,4-Dichlorobenzene	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	ND	5.38
	2-Butanone	ND	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	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	ND	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	0.89	0.99	ND	ND	1.1	ND	ND	ND	ND	1.07	1.06	1.03	1.08	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	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	7.41	6.29
	Chloroethane	0.47	0.62	1	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	0.89	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.8
	cis-1,2-Dichloroethene	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	19.7	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	0.99	0.89	ND	ND	ND	ND	ND	1.98	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	0.64	0.51	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	0.01	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**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**	**2.89**	**2.82**
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-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	5.60	ND	ND	ND	4.06	7.23	4.91	3.33	3.73	2.86	3.45	2.68	2.48	2.22	1.97
	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	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	1.02	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	0.64	ND	ND	ND	ND	1.43	ND	ND	ND	ND	1.01	ND	ND	ND	ND
	1,2-Dichloropropane	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	2.9	2.53
	1,4-Dichlorobenzene	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	8.88	7.57
	2-Butanone	ND	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	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	ND	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	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	1.99	1.74
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	2.3	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	0.32	0.98	ND	ND	1.2	ND	3.16	1.2	2	2.77	2.25	3.46	3.18	3.57	3.26	3.12
	Chloroethane	0.24	0.68	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	6.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31.3
	cis-1,2-Dichloroethene	11.5	24.00	9.6	ND	24	25.6	51.2	33.9	29	36.7	30.8	46.1	38.8	39	37.6	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	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	2.86	1.95	ND	2.3	1.8	ND	3.43	ND	1.75	1.88	1.26	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	1.18	3.94	ND	3.9	ND	ND	5.16	2.22	2.61	3.11	2.61	3.05	2.43	2.39	2.17	1.87
	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	**5.27**	**13.40**	ND	**11**	**12**	**14.4**	**25.4**	**17.9**	**12.6**	**13.1**	**10**	**15.6**	**11.9**	**10.2**	**8.95**	**6.5**
	Trichlorofluoromethane	ND	ND	ND	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	ND	ND	ND
	Vinyl Chloride	**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**	**15.4**	**13.2**
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT

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

Location	Parameter	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	2017-S	2017-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	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	19.5	12.8
	1,1-Dichloroethene	0.45	0.93	**25**	**30**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	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	1.75	1.51	3.9	ND	3	ND	2.69	1.41	NT	3	2.86	2.89	3.11	2.85	3.26	2.85
	1,2-Dichloroethane	ND	3.94	2.8	ND	ND	ND	3.66	3.57	3.64	3.78	3.07	3.42	3.16	2.91	3.07	2.49
	1,2-Dichloropropane	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	**5.18**	4.81
	1,4-Dichlorobenzene	9.13	9.85	ND	ND	17	14.8	14.9	13.7	16.9	17.5	16.8	16.3	18.6	18	20.9	16.8
	2-Butanone	ND	0.95	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	ND	24.60	ND	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	ND	ND	ND
	Benzene	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	4.23	3.26
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	28.3	34.30	52	ND	41	34.5	34.6	31	33.4	32.2	30.2	30.3	30.8	27.8	30.7	26.8
	Chloroethane	ND	0.57	ND	17	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	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**78.2**
	cis-1,2-Dichloroethene	**123**	**73.60**	ND	ND	**160**	**94.8**	64.16	**135.88**	**131**	**90.5**	**103.4**	**79**	**107**	**95.8**	**77.8**	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	**5.71**
	Dichloromethane	7.21	**24.20**	**16**	**18**	**12**	**13**	**12.3**	**12**	**10.6**	**9.6**	**8.58**	**8.71**	**8.56**	7.51	**9.3**	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	1.65	5.6	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	**35.6**	**19.60**	**26**	**44**	**47**	**40.1**	**36.9**	**32.2**	**32.3**	**27.1**	**24**	**21.7**	**21.3**	**16.8**	**17.4**	**13.2**
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	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	4.46	2.71
	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	**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**	**14.1**	**15.4**
	Trichlorofluoromethane	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	1.8	1.08
	Vinyl Acetate	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**7.43**	**20.90**	**14**	ND	**13**	**14.1**	**13.9**	**14**	**14.6**	**15.7**	**15.4**	**14.6**	**14.5**	**13.5**	**17.9**	**11.1**
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT

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

Location	Parameter	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	2017-S	2017-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	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	15	13.5
	1,1-Dichloroethene	ND	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	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	**1.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	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	2.59	2.55
	1,2-Dichloroethane	2.7	1.88	ND	ND	ND	ND	2.48	3.56	2.09	2.41	2.5	2.68	2.66	2.41	2.6	2.16
	1,2-Dichloropropane	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	4.94	4.2
	1,4-Dichlorobenzene	13.4	9.32	ND	ND	15	13.7	13.8	15	13.5	16.3	15.2	12.2	18	17	18.1	17.5
	2-Butanone	ND	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	0.12	22.80	ND	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	ND	ND	ND
	Benzene	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	2.33	1.81
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	21.3	20.60	29	ND	24	22.3	20.5	21.1	17.6	23	21.4	20.2	25.2	23.3	24.3	21.5
	Chloroethane	0.39	0.89	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	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65.5
	cis-1,2-Dichloroethene	**113**	**81.60**	**76**	ND	**100**	**89**	**78.6**	**96.5**	68.5	**74**	**75.8**	**74.2**	**74.8**	68.1	**73.8**	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	2.4	**5.45**	1.8	ND	**5.9**	ND	ND	1.11	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	2.00	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	**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**	**5.85**	4.99
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	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	3.33	2.84
	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	**26.1**	**21.60**	**17**	ND	**28**	**24.7**	**24**	**28.8**	**20.1**	**22**	**21.5**	**18.6**	**20.9**	**15.8**	**15.1**	**12.5**
	Trichlorofluoromethane	1.26	2.53	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**10.2**	**31.60**	**11**	ND	**12**	**13.1**	**12.9**	**14.9**	**11.1**	**15**	**14.7**	**14**	**15.9**	**14.8**	**15.4**	**12.7**
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT

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Location	Parameter	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	2017-S	2017-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	10.6	39.20	23	ND	21	18.3	22.6	15.1	21.4	21	20.2	18.6	21.2	16.7	23.6	17.2
	1,1-Dichloroethene	ND	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	0.63	1.17	ND	ND	ND	ND	1.07	ND	1.07	1.55	1.07	1.78	1.4	1.49	1.7	1.66
	1,2-Dichloropropane	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**	**6.28**	**10.5**
	1,4-Dichlorobenzene	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	10.3	8.53
	2-Butanone	ND	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	0.59	0.70	ND	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	ND	ND	ND
	Benzene	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	4.96	3.73
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	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	3.57	3.18
	Chloroethane	0.87	1.64	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	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43.7
	cis-1,2-Dichloroethene	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	47.4	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	4.08
	Dichloromethane	**11.3**	**8.19**	**10**	ND	ND	**5.01**	**7.93**	ND	**6.3**	4.44	**5.34**	4.73	**5.34**	3.84	**5.76**	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	0.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	**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**	**22.4**	**21.2**
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	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	3.69	2.52
	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	**11.6**	**20.30**	**9.4**	ND	**17**	**24.9**	**16.7**	**16**	**16.7**	**18.3**	**15**	**28.9**	**19.7**	**20.3**	**15.4**	**21.3**
	Trichlorofluoromethane	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	2.54	2.29
	Vinyl Acetate	0.01	ND	6.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**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**	**5.8**	**3.38**
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-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	1.08	12.00	2.3	ND	3.1	ND	1.56	3.73	ND	1.59	ND	1	ND	1.64	5.04	3.8
	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	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.36	1.84
	1,4-Dichlorobenzene	0.28	ND	ND	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	ND	ND	ND
	2-Hexanone	ND	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	ND
	Acetone	0.61	ND	ND	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	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	0.05	0.98	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	3.21
	cis-1,2-Dichloroethene	1.18	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.02	3.27	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	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	0.48	0.54	ND	ND	1.1	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	0.39	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	2.31	1.23	1.1	ND	2.2	ND	1.18	2.11	ND	ND	ND	ND	ND	ND	1.7	1.73
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	**3.55**	**10.20**	ND	ND	1.9	ND	ND	1.87	ND	ND	ND	ND	ND	ND	ND	1.17
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT

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

Location	Parameter	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	2017-S	2017-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	0.63	1.11	ND	ND	ND	ND	ND	2.16	ND	1.04	ND	ND	1.42	1.77	1.14	2.71
	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	**143**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	0.71	3.80	ND	ND	3.7	3.3	ND	6.84	ND	3.36	ND	1.15	1.49	1.37	ND	1.82
	2-Butanone	0.45	0.87	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.99	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	2.11	ND	ND	ND	ND	ND	1.43	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	0.47	4.50	ND	ND	ND	ND	ND	7.75	ND	3.13	ND	2.15	1.56	1.64	ND	1.6
	Chloroethane	0.17	0.69	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	16.9
	cis-1,2-Dichloroethene	4.52	6.82	ND	ND	4.9	9.55	ND	19.5	ND	7.38	3.14	7.14	9.22	12	7.39	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	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	0.86	ND	ND	3.8	ND	1.4	3.92	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	0.81	2.24	ND	ND	2.1	ND	ND	ND	ND	ND	ND	2.07	ND	ND	ND	1.29
	Trichlorofluoromethane	ND	ND	ND	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	ND	ND	ND
	Vinyl Chloride	0.38	**4.04**	ND	ND	ND	ND	ND	**3.47**	ND	**2.21**	ND	**2.78**	1.43	**3.79**	1.26	**4.64**
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT

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

Location	Parameter	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	2017-S	2017-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	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	1.6	1.12	ND	ND	1.4	ND	ND	1.14	1.27	1.55	1.3	1.62	1.37	ND	1.4	ND
	2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<5	ND	ND	ND
	2-Hexanone	ND	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	ND
	Acetone	ND	0.53	ND	ND	ND	ND	ND	ND	ND	ND	8	ND	<5	ND	ND	ND
	Acrylonitrile	ND	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	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	0.25	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	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	1.7	1.51	ND	ND	2.6	ND	ND	2.14	2.14	2.22	2.36	2.74	2.38	1.88	2.44	2.02
	Chloroethane	0.05	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	1.13	0.65	ND	ND	ND	ND	ND	1.26	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	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	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	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-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	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	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	2.87	3.52
	2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	0.23	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	ND
	Acetone	ND	31.10	ND	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	ND	ND	ND
	Benzene	ND	0.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	0.55	ND	ND	ND	ND	1.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	0.89	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	6.77
	cis-1,2-Dichloroethene	0.97	ND	ND	ND	14	15	24.6	ND	11.4	11.6	3.17	5.54	7.11	6.64	3.99	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	0.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	1.38	ND	2.1	1.4	ND	2.96	ND	1.47	1.46	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl Chloride	ND	**3.03**	ND	ND	ND	ND	1.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-F
MW1B	1,1,1,2-Tetrachloroethane		NT	ND	ND	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	ND	ND
	1,1,2,2-Tetrachloroethane		NT	ND	ND	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	ND	ND
	1,1-Dichloroethane		NT	ND	ND	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	ND	ND
	1,2,3-Trichloropropane		NT	ND	ND	ND	ND	NT	ND	ND	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	ND	ND
	1,2-Dibromoethane		NT	ND	ND	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	ND	ND
	1,2-Dichloroethane		NT	ND	ND	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	ND	ND
	1,4-Dichlorobenzene		NT	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
	2-Hexanone		NT	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
	Acetone		NT	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND
	Acrylonitrile		NT	ND	ND	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	ND	ND
	Bromochloromethane		NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane		NT	ND	ND	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	ND	ND
	Bromomethane		NT	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
	Carbon Tetrachloride		NT	ND	ND	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	ND	ND
	Chloroethane		NT	ND	ND	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	ND	ND
	Chloromethane		NT	ND	ND	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	ND	ND
	cis-1,3-Dichloropropene		NT	ND	ND	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	ND	ND
	Dibromomethane		NT	ND	ND	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	ND	ND
	Ethylbenzene		NT	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
	Methyl Tertiary Butyl Ether		NT	ND	ND	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	ND	ND
	para-Xylene & meta-Xylene		NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene		NT	ND	ND	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	ND	ND
	Toluene		NT	ND	ND	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	ND	ND
	trans-1,3-Dichloropropene		NT	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
	Trichloroethene		NT	ND	ND	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	ND	ND
	Vinyl Acetate		NT	ND	ND	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	ND	ND
	Xylene (Total)		NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-F
MW2A	1,1,1,2-Tetrachloroethane		NT	ND	ND	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	ND	ND
	1,1,2,2-Tetrachloroethane		NT	ND	ND	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	ND	ND
	1,1-Dichloroethane		NT	ND	ND	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	ND	ND
	1,2,3-Trichloropropane		NT	ND	ND	ND	ND	NT	ND	ND	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	ND	ND
	1,2-Dibromoethane		NT	ND	ND	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	ND	ND
	1,2-Dichloroethane		NT	ND	ND	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	ND	ND
	1,4-Dichlorobenzene		NT	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
	2-Hexanone		NT	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
	Acetone		NT	ND	ND	ND	ND	40.8	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
	Benzene		NT	ND	ND	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	ND	ND
	Bromodichloromethane		NT	ND	ND	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	ND	ND
	Bromomethane		NT	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
	Carbon Tetrachloride		NT	ND	ND	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	ND	ND
	Chloroethane		NT	ND	ND	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	ND	ND
	Chloromethane		NT	ND	ND	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	ND	ND
	cis-1,3-Dichloropropene		NT	ND	ND	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	ND	ND
	Dibromomethane		NT	ND	ND	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	ND	ND
	Ethylbenzene		NT	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
	Methyl Tertiary Butyl Ether		NT	ND	ND	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	ND	ND
	para-Xylene & meta-Xylene		NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene		NT	ND	ND	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	2.22	1.62
	Toluene		NT	ND	ND	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	ND	ND
	trans-1,3-Dichloropropene		NT	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
	Trichloroethene		NT	ND	ND	ND	ND	ND	ND	1.51	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane		NT	ND	ND	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	ND	ND
	Vinyl Chloride		NT	ND	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	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW2B	1,1,1,2-Tetrachloroethane		NT	ND	ND	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	ND	ND
	1,1,2,2-Tetrachloroethane		NT	ND	ND	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	ND	ND
	1,1-Dichloroethane		NT	ND	ND	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	ND	ND
	1,2,3-Trichloropropane		NT	ND	ND	ND	ND	NT	ND	ND	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	ND	ND
	1,2-Dibromoethane		NT	ND	ND	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	ND	ND
	1,2-Dichloroethane		NT	ND	ND	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	ND	ND
	1,4-Dichlorobenzene		NT	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
	2-Hexanone		NT	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
	Acetone		NT	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
	Benzene		NT	ND	ND	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	ND	ND
	Bromodichloromethane		NT	ND	ND	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	ND	ND
	Bromomethane		NT	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
	Carbon Tetrachloride		NT	ND	ND	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	ND	ND
	Chloroethane		NT	ND	ND	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	ND	ND
	Chloromethane		NT	ND	ND	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	ND	ND
	cis-1,3-Dichloropropene		NT	ND	ND	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	ND	ND
	Dibromomethane		NT	ND	ND	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	ND	ND
	Ethylbenzene		NT	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
	Methyl Tertiary Butyl Ether		NT	ND	ND	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	ND	ND
	para-Xylene & meta-Xylene		NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene		NT	ND	ND	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	1.77	2.35
	Toluene		NT	ND	ND	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	ND	ND
	trans-1,3-Dichloropropene		NT	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
	Trichloroethene		NT	ND	ND	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	ND	ND
	Vinyl Acetate		NT	ND	ND	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	ND	ND
	Xylene (Total)		NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-F
MW3A	1,1,1,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		ND	ND	ND	ND	ND	NT	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		ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone		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	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	ND	ND
	Benzene		ND	ND	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	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		1.46	1.5	1.6	1.8	ND	1.15	1.64	2.5	2.19	1.44	1.28	ND	1.14	1.01	ND
	Chloromethane		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
	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		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
	ortho-Xylene		ND	NT	NT	NT	ND	ND	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	ND	ND
	Styrene		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
	Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene		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
	Trichlorofluoromethane		ND	ND	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	ND	ND
	Vinyl Chloride		ND	ND	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	NT	NT

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

Location	Parameter	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	2017-S	2017-F
MW3B	1,1,1,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		ND	ND	ND	ND	ND	NT	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone		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	ND	ND	ND	ND	ND	ND	ND	6.17	ND	ND	ND
	Acrylonitrile		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
	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		ND	ND	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	ND	ND
	cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		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
	ortho-Xylene		ND	NT	NT	NT	ND	ND	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	ND	ND
	Styrene		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
	Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene		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
	Trichlorofluoromethane		ND	ND	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	ND	ND
	Vinyl Chloride		ND	ND	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	NT	NT

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

Location	Parameter	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	2017-S	2017-F
MW04	1,1,1,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		ND	9.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		ND	ND	ND	ND	ND	NT	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		ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone		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	9.4	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	ND	ND
	Benzene		ND	1.1	2.1	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	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		ND	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		ND	2.9	ND	ND	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	1.22	ND
	cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		ND	ND	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	ND	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.07	ND	ND	ND	5.1
	ortho-Xylene		ND	NT	NT	NT	ND	ND	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	ND	ND
	Styrene		ND	ND	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	ND	ND
	Toluene		ND	ND	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	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		ND	**5.6**	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane		ND	ND	14	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		ND	ND	3.1	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	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW06	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		6.86	ND	ND	3.3	ND	2.79	ND	2.03	1.68	1.24	1.15	1	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	NT	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		ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		1.84	ND	ND	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	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	3.63	3.38
	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	ND	ND	ND	ND	ND	ND	ND	11.6	8.84	ND	ND
	Acrylonitrile		ND	ND	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	ND	ND
	Bromochloromethane		ND	ND	ND	ND	ND	ND	ND	NT	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		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	6.67	5.82
	Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.92
	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	10.3	ND
	cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		ND	ND	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	ND	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether		5.16	ND	ND	3.3	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	ND	ND
	para-Xylene & meta-Xylene		ND	NT	NT	NT	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene		2.63	ND	2.2	1.2	ND	1.01	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		1.19	ND	ND	ND	ND	ND	1.26	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane		ND	ND	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	ND	ND
	Vinyl Chloride		ND	ND	ND	2	ND	1.65	ND	ND	1.62	1.38	1.42	1.41	ND	ND	ND
	Xylene (Total)		NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-F
MW07	1,1,1,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.37	ND	1.27	1.74
	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	NT	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		ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		ND	ND	ND	ND	ND	1.69	ND	7.54	10.6	1.22	3.39	18.2	2.94	14.5	20
	2-Butanone		0.73	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		4.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.4	ND	ND	ND
	Acrylonitrile		ND	ND	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	ND	1.05
	Bromochloromethane		ND	ND	ND	ND	ND	ND	ND	NT	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		2.00	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		ND	ND	ND	ND	ND	ND	ND	ND	3.35	ND	ND	4.31	ND	4.06	5.49
	Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.23
	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	8.46	ND
	cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.98
	Dichloromethane		ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	1.79	ND	2.36	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene		ND	NT	NT	NT	ND	ND	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	ND	ND
	Styrene		ND	ND	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	2.02	2.54
	Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42.4
	trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene		ND	ND	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	2.1	2.85
	Trichlorofluoromethane		ND	ND	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	ND	ND
	Vinyl Chloride		ND	ND	ND	ND	ND	ND	ND	ND	1.09	ND	ND	1.25	ND	ND	1.24
	Xylene (Total)		NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT

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

Location	Parameter	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	2017-S	2017-F
MW08	1,1,1,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		ND	ND	ND	ND	ND	NT	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		ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		ND	ND	ND	ND	4.03	1.45	ND	ND	ND	ND	ND	ND	ND	1.9	ND
	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		1.41	8.6	ND	ND	ND	ND	ND	ND	ND	10.2	ND	ND	ND	ND	ND
	Acrylonitrile		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
	Bromochloromethane		ND	ND	ND	ND	ND	ND	ND	NT	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	1.1	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		0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		1.98	3.7	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	1.88	ND
	cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		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
	ortho-Xylene		ND	NT	NT	NT	ND	ND	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	ND	ND
	Styrene		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
	Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene		ND	ND	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	ND	ND
	Trichlorofluoromethane		ND	ND	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	ND	ND
	Vinyl Chloride		ND	ND	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	NT	NT

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

Location	Parameter	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	2017-S	2017-F
MW09	1,1,1,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		ND	ND	ND	ND	ND	NT	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		ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone		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	22	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	ND	ND
	Benzene		ND	1	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	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		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
	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		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
	ortho-Xylene		ND	NT	NT	NT	ND	ND	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	ND	ND
	Styrene		ND	ND	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	12.2	11.9
	Toluene		ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene		ND	ND	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	1.09	ND
	Trichlorofluoromethane		ND	ND	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	ND	ND
	Vinyl Chloride		ND	ND	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	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW10	1,1,1,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		ND	ND	ND	ND	ND	NT	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		ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone		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	24	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	ND	ND
	Benzene		ND	ND	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	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		ND	5.2	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
	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		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
	ortho-Xylene		ND	NT	NT	NT	ND	ND	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	ND	ND
	Styrene		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
	Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene		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
	Trichlorofluoromethane		ND	ND	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	ND	ND
	Vinyl Chloride		ND	ND	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	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW11A	1,1,1,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		ND	ND	ND	ND	ND	NT	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		ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	1.01	ND	ND	ND	ND	ND	ND
	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	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	ND	ND
	Benzene		ND	ND	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	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		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
	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		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
	ortho-Xylene		ND	NT	NT	NT	ND	ND	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	ND	ND
	Styrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene		ND	ND	ND	ND	ND	ND	ND	ND	1.36	ND	ND	ND	ND	ND	ND
	Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene		ND	ND	ND	ND	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		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
	Vinyl Acetate		ND	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
	Xylene (Total)		NT	ND	ND	ND	NT	NT	ND	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	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	2017-S	2017-F
MW11B	1,1,1,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		ND	ND	ND	ND	ND	NT	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		ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone		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	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	ND	ND
	Benzene		ND	ND	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	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.26
	cis-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.15	1.44	1.4	1.55	ND
	cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		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
	ortho-Xylene		ND	NT	NT	NT	ND	ND	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	ND	ND
	Styrene		ND	ND	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	4.54	1.88
	Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene		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	1.17	1.43	1.13	1.65	1.08
	Trichlorofluoromethane		ND	ND	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	ND	ND
	Vinyl Chloride		ND	ND	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	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW12	1,1,1,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		ND	ND	ND	ND	ND	NT	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		ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone		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	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	ND	ND
	Benzene		ND	ND	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	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		ND	4.1	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
	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		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
	ortho-Xylene		ND	NT	NT	NT	ND	ND	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	ND	ND
	Styrene		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
	Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene		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
	Trichlorofluoromethane		ND	ND	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	ND	ND
	Vinyl Chloride		ND	ND	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	NT	NT

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

Location	Parameter	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	2017-S	2017-F
MW13A	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		17.90	25	ND	16	15.6	19	19.9	15.8	13.7	16.3	13	15.4	13.4	14.2	12.8
	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	NT	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		ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	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	2.05	1.89
	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**	**6.14**	**5.28**
	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	6.2	4.8
	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		0.72	ND	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	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	2.03	1.66
	Bromochloromethane		ND	ND	ND	ND	ND	ND	ND	NT	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		1.01	ND	ND	ND	ND	1.64	1	1.81	1.66	1.57	1.28	1.58	1.46	1.7	1.49
	Chloroethane		0.97	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	1.17	1.57	1.37	1.5	1.28
	Chloromethane		0.96	6.4	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**80.7**
	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**	**92.4**	ND
	cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.31
	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	3.73	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether		0.61	3.1	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	ND	ND
	para-Xylene & meta-Xylene		ND	NT	NT	NT	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		**22.20**	**17**	**25**	**28**	**25.7**	**27.8**	**24.2**	**21.7**	**18**	**17.2**	**11.9**	**18.8**	**15.3**	**17.3**	**13.1**
	Toluene		ND	ND	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	3.28	2.74
	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		**26.90**	**23**	**28**	**32**	**30.2**	**33.9**	**37.1**	**28.3**	**28.9**	**25.1**	**21.8**	**27**	**22.8**	**25.4**	**18.7**
	Trichlorofluoromethane		1.50	3.8	4.6	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		**11.10**	**14**	**18**	**8.6**	**8.58**	**10.1**	**9.83**	**8.14**	**6.74**	**7.91**	**6**	**7.67**	**6.66**	**7.27**	**5.78**
	Xylene (Total)		NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT

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

Location	Parameter	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	2017-S	2017-F
MW13B	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		17.80	ND	ND	15	13.9	17.2	16.6	13.8	14	12.8	12	13.3	10.7	10.7	7.38
	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	NT	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		0.54	ND	ND	ND	ND	ND	1.09	NT	ND	ND	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	1.97	1.7
	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**	**5.82**	**7.97**
	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	8.95	8.09
	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		0.87	35	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	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	2.56	2.53
	Bromochloromethane		ND	ND	ND	ND	ND	ND	ND	NT	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		1.63	ND	ND	ND	ND	2.03	2.29	1.98	1.67	1.81	1.75	1.92	1.62	1.72	1.59
	Chloroethane		1.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		0.76	4.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46.1
	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	69	ND
	cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.44
	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	3.99	ND
	Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether		0.96	ND	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	ND	ND
	para-Xylene & meta-Xylene		ND	NT	NT	NT	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		**22.70**	ND	**27**	**30**	**26.5**	**27**	**24.2**	**21.1**	**16.8**	**15.8**	**15.2**	**16.7**	**14.2**	**15.6**	**14.6**
	Toluene		ND	ND	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	2.69	1.75
	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		**32.00**	ND	**28**	**32**	**27.6**	**29.5**	**34.5**	**22.9**	**20.2**	**19**	**20.7**	**19.9**	**16.6**	**17.2**	**20.5**
	Trichlorofluoromethane		1.71	ND	4.7	1.3	ND	1.27	ND	ND	1.09	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		**17.20**	ND	**25**	**12**	**9.83**	**11.4**	**9.96**	**8.49**	**10.8**	**8.03**	**7.37**	**8.09**	**6.51**	**6.4**	**4.42**
	Xylene (Total)		NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT

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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW-16A	1,1,1,2-Tetrachloroethane																ND
	1,1,1-Trichloroethane																ND
	1,1,2,2-Tetrachloroethane																ND
	1,1,2-Trichloroethane																ND
	1,1-Dichloroethane																ND
	1,1-Dichloroethene																ND
	1,2,3-Trichloropropane																ND
	1,2-Dibromo-3-chloropropane																ND
	1,2-Dibromoethane																ND
	1,2-Dichlorobenzene																ND
	1,2-Dichloroethane																ND
	1,2-Dichloropropane																ND
	1,4-Dichlorobenzene																3.99
	2-Butanone																ND
	2-Hexanone																ND
	4-Methyl-2-Pentanone																ND
	Acetone																ND
	Acrylonitrile																ND
	Benzene																ND
	Bromochloromethane																ND
	Bromodichloromethane																ND
	Bromoform																ND
	Bromomethane																ND
	Carbon disulfide																ND
	Carbon Tetrachloride																ND
	Chlorobenzene																12
	Chloroethane																ND
	Chloroform																ND
	Chloromethane																ND
	cis-1,2-Dichloroethene																ND
	cis-1,3-Dichloropropene																ND
	Dibromochloromethane																ND
	Dibromomethane																ND
	Dichloromethane																ND
	Ethylbenzene																ND
	Methyl Iodide																ND
	Methyl Tertiary Butyl Ether																ND
	ortho-Xylene																ND
	para-Xylene & meta-Xylene																ND
	Styrene																ND
	Tetrachloroethene																ND
	Toluene																ND
	trans-1,2-Dichloroethene																ND
	trans-1,3-Dichloropropene																ND
	trans-1,4-Dichloro-2-butene																ND
	Trichloroethene																ND
	Trichlorofluoromethane																ND
	Vinyl Acetate																ND
	Vinyl Chloride																ND
	Xylene (Total)																NT

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

Location	Parameter	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	2017-S	2017-F
MW-16B	1,1,1,2-Tetrachloroethane																ND
	1,1,1-Trichloroethane																ND
	1,1,2,2-Tetrachloroethane																ND
	1,1,2-Trichloroethane																ND
	1,1-Dichloroethane																ND
	1,1-Dichloroethene																ND
	1,2,3-Trichloropropane																ND
	1,2-Dibromo-3-chloropropane																ND
	1,2-Dibromoethane																ND
	1,2-Dichlorobenzene																1.02
	1,2-Dichloroethane																ND
	1,2-Dichloropropane																ND
	1,4-Dichlorobenzene																7.56
	2-Butanone																ND
	2-Hexanone																ND
	4-Methyl-2-Pentanone																ND
	Acetone																ND
	Acrylonitrile																ND
	Benzene																1.25
	Bromochloromethane																ND
	Bromodichloromethane																ND
	Bromoform																ND
	Bromomethane																ND
	Carbon disulfide																ND
	Carbon Tetrachloride																ND
	Chlorobenzene																12.2
	Chloroethane																ND
	Chloroform																ND
	Chloromethane																6.59
	cis-1,2-Dichloroethene																ND
	cis-1,3-Dichloropropene																ND
	Dibromochloromethane																ND
	Dibromomethane																ND
	Dichloromethane																ND
	Ethylbenzene																ND
	Methyl Iodide																ND
	Methyl Tertiary Butyl Ether																ND
	ortho-Xylene																ND
	para-Xylene & meta-Xylene																ND
	Styrene																ND
	Tetrachloroethene																ND
	Toluene																ND
	trans-1,2-Dichloroethene																ND
	trans-1,3-Dichloropropene																ND
	trans-1,4-Dichloro-2-butene																ND
	Trichloroethene																ND
	Trichlorofluoromethane																ND
	Vinyl Acetate																ND
	Vinyl Chloride																ND
	Xylene (Total)																NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW-19A	1,1,1,2-Tetrachloroethane																ND
	1,1,1-Trichloroethane																ND
	1,1,2,2-Tetrachloroethane																ND
	1,1,2-Trichloroethane																ND
	1,1-Dichloroethane																1.07
	1,1-Dichloroethene																ND
	1,2,3-Trichloropropane																ND
	1,2-Dibromo-3-chloropropane																ND
	1,2-Dibromoethane																ND
	1,2-Dichlorobenzene																ND
	1,2-Dichloroethane																ND
	1,2-Dichloropropane																ND
	1,4-Dichlorobenzene																ND
	2-Butanone																ND
	2-Hexanone																ND
	4-Methyl-2-Pentanone																ND
	Acetone																ND
	Acrylonitrile																ND
	Benzene																ND
	Bromochloromethane																ND
	Bromodichloromethane																ND
	Bromoform																ND
	Bromomethane																ND
	Carbon disulfide																ND
	Carbon Tetrachloride																ND
	Chlorobenzene																ND
	Chloroethane																ND
	Chloroform																ND
	Chloromethane																2.52
	cis-1,2-Dichloroethene																ND
	cis-1,3-Dichloropropene																ND
	Dibromochloromethane																ND
	Dibromomethane																ND
	Dichloromethane																ND
	Ethylbenzene																ND
	Methyl Iodide																ND
	Methyl Tertiary Butyl Ether																ND
	ortho-Xylene																ND
	para-Xylene & meta-Xylene																ND
	Styrene																ND
	Tetrachloroethene																1.22
	Toluene																ND
	trans-1,2-Dichloroethene																ND
	trans-1,3-Dichloropropene																ND
	trans-1,4-Dichloro-2-butene																ND
	Trichloroethene																1.99
	Trichlorofluoromethane																ND
	Vinyl Acetate																ND
	Vinyl Chloride																ND
	Xylene (Total)																NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW-19B	1,1,1,2-Tetrachloroethane																ND
	1,1,1-Trichloroethane																ND
	1,1,2,2-Tetrachloroethane																ND
	1,1,2-Trichloroethane																ND
	1,1-Dichloroethane																4.25
	1,1-Dichloroethene																ND
	1,2,3-Trichloropropane																ND
	1,2-Dibromo-3-chloropropane																ND
	1,2-Dibromoethane																ND
	1,2-Dichlorobenzene																ND
	1,2-Dichloroethane																ND
	1,2-Dichloropropane																ND
	1,4-Dichlorobenzene																ND
	2-Butanone																ND
	2-Hexanone																ND
	4-Methyl-2-Pentanone																ND
	Acetone																ND
	Acrylonitrile																ND
	Benzene																ND
	Bromochloromethane																ND
	Bromodichloromethane																ND
	Bromoform																ND
	Bromomethane																ND
	Carbon disulfide																ND
	Carbon Tetrachloride																ND
	Chlorobenzene																ND
	Chloroethane																ND
	Chloroform																ND
	Chloromethane																10.9
	cis-1,2-Dichloroethene																ND
	cis-1,3-Dichloropropene																ND
	Dibromochloromethane																ND
	Dibromomethane																ND
	Dichloromethane																ND
	Ethylbenzene																ND
	Methyl Iodide																ND
	Methyl Tertiary Butyl Ether																ND
	ortho-Xylene																ND
	para-Xylene & meta-Xylene																ND
	Styrene																ND
	Tetrachloroethene																2.84
	Toluene																ND
	trans-1,2-Dichloroethene																ND
	trans-1,3-Dichloropropene																ND
	trans-1,4-Dichloro-2-butene																ND
	Trichloroethene																3.94
	Trichlorofluoromethane																ND
	Vinyl Acetate																ND
	Vinyl Chloride																ND
	Xylene (Total)																NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW-21A	1,1,1,2-Tetrachloroethane																ND
	1,1,1-Trichloroethane																ND
	1,1,2,2-Tetrachloroethane																ND
	1,1,2-Trichloroethane																ND
	1,1-Dichloroethane																3.27
	1,1-Dichloroethene																ND
	1,2,3-Trichloropropane																ND
	1,2-Dibromo-3-chloropropane																ND
	1,2-Dibromoethane																ND
	1,2-Dichlorobenzene																ND
	1,2-Dichloroethane																ND
	1,2-Dichloropropane																ND
	1,4-Dichlorobenzene																ND
	2-Butanone																ND
	2-Hexanone																ND
	4-Methyl-2-Pentanone																ND
	Acetone																ND
	Acrylonitrile																ND
	Benzene																ND
	Bromochloromethane																ND
	Bromodichloromethane																ND
	Bromoform																ND
	Bromomethane																ND
	Carbon disulfide																ND
	Carbon Tetrachloride																ND
	Chlorobenzene																ND
	Chloroethane																ND
	Chloroform																ND
	Chloromethane																10
	cis-1,2-Dichloroethene																ND
	cis-1,3-Dichloropropene																ND
	Dibromochloromethane																ND
	Dibromomethane																ND
	Dichloromethane																ND
	Ethylbenzene																ND
	Methyl Iodide																ND
	Methyl Tertiary Butyl Ether																ND
	ortho-Xylene																ND
	para-Xylene & meta-Xylene																ND
	Styrene																ND
	Tetrachloroethene																1.79
	Toluene																ND
	trans-1,2-Dichloroethene																ND
	trans-1,3-Dichloropropene																ND
	trans-1,4-Dichloro-2-butene																ND
	Trichloroethene																4.88
	Trichlorofluoromethane																ND
	Vinyl Acetate																ND
	Vinyl Chloride																ND
	Xylene (Total)																NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW-21B	1,1,1,2-Tetrachloroethane																ND
	1,1,1-Trichloroethane																ND
	1,1,2,2-Tetrachloroethane																ND
	1,1,2-Trichloroethane																ND
	1,1-Dichloroethane																2.27
	1,1-Dichloroethene																ND
	1,2,3-Trichloropropane																ND
	1,2-Dibromo-3-chloropropane																ND
	1,2-Dibromoethane																ND
	1,2-Dichlorobenzene																ND
	1,2-Dichloroethane																ND
	1,2-Dichloropropane																ND
	1,4-Dichlorobenzene																ND
	2-Butanone																ND
	2-Hexanone																ND
	4-Methyl-2-Pentanone																ND
	Acetone																ND
	Acrylonitrile																ND
	Benzene																ND
	Bromochloromethane																ND
	Bromodichloromethane																ND
	Bromoform																ND
	Bromomethane																ND
	Carbon disulfide																ND
	Carbon Tetrachloride																ND
	Chlorobenzene																ND
	Chloroethane																ND
	Chloroform																5.22
	Chloromethane																2.63
	cis-1,2-Dichloroethene																ND
	cis-1,3-Dichloropropene																ND
	Dibromochloromethane																ND
	Dibromomethane																1.24
	Dichloromethane																ND
	Ethylbenzene																ND
	Methyl Iodide																ND
	Methyl Tertiary Butyl Ether																ND
	ortho-Xylene																ND
	para-Xylene & meta-Xylene																ND
	Styrene																ND
	Tetrachloroethene																ND
	Toluene																ND
	trans-1,2-Dichloroethene																ND
	trans-1,3-Dichloropropene																ND
	trans-1,4-Dichloro-2-butene																ND
	Trichloroethene																1.15
	Trichlorofluoromethane																ND
	Vinyl Acetate																ND
	Vinyl Chloride																ND
	Xylene (Total)																NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW-22A	1,1,1,2-Tetrachloroethane																ND
	1,1,1-Trichloroethane																ND
	1,1,2,2-Tetrachloroethane																ND
	1,1,2-Trichloroethane																ND
	1,1-Dichloroethane																ND
	1,1-Dichloroethene																ND
	1,2,3-Trichloropropane																ND
	1,2-Dibromo-3-chloropropane																ND
	1,2-Dibromoethane																ND
	1,2-Dichlorobenzene																ND
	1,2-Dichloroethane																ND
	1,2-Dichloropropane																ND
	1,4-Dichlorobenzene																ND
	2-Butanone																ND
	2-Hexanone																ND
	4-Methyl-2-Pentanone																ND
	Acetone																ND
	Acrylonitrile																ND
	Benzene																ND
	Bromochloromethane																ND
	Bromodichloromethane																ND
	Bromoform																ND
	Bromomethane																ND
	Carbon disulfide																ND
	Carbon Tetrachloride																ND
	Chlorobenzene																ND
	Chloroethane																ND
	Chloroform																ND
	Chloromethane																5.65
	cis-1,2-Dichloroethene																ND
	cis-1,3-Dichloropropene																ND
	Dibromochloromethane																ND
	Dibromomethane																ND
	Dichloromethane																ND
	Ethylbenzene																ND
	Methyl Iodide																ND
	Methyl Tertiary Butyl Ether																ND
	ortho-Xylene																ND
	para-Xylene & meta-Xylene																ND
	Styrene																ND
	Tetrachloroethene																ND
	Toluene																ND
	trans-1,2-Dichloroethene																ND
	trans-1,3-Dichloropropene																ND
	trans-1,4-Dichloro-2-butene																ND
	Trichloroethene																**5.21**
	Trichlorofluoromethane																ND
	Vinyl Acetate																ND
	Vinyl Chloride																ND
	Xylene (Total)																NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW-22B	1,1,1,2-Tetrachloroethane																ND
	1,1,1-Trichloroethane																ND
	1,1,2,2-Tetrachloroethane																ND
	1,1,2-Trichloroethane																ND
	1,1-Dichloroethane																ND
	1,1-Dichloroethene																ND
	1,2,3-Trichloropropane																ND
	1,2-Dibromo-3-chloropropane																ND
	1,2-Dibromoethane																ND
	1,2-Dichlorobenzene																ND
	1,2-Dichloroethane																ND
	1,2-Dichloropropane																ND
	1,4-Dichlorobenzene																ND
	2-Butanone																ND
	2-Hexanone																ND
	4-Methyl-2-Pentanone																ND
	Acetone																ND
	Acrylonitrile																ND
	Benzene																ND
	Bromochloromethane																ND
	Bromodichloromethane																ND
	Bromoform																ND
	Bromomethane																ND
	Carbon disulfide																ND
	Carbon Tetrachloride																ND
	Chlorobenzene																ND
	Chloroethane																ND
	Chloroform																ND
	Chloromethane																4.84
	cis-1,2-Dichloroethene																ND
	cis-1,3-Dichloropropene																ND
	Dibromochloromethane																ND
	Dibromomethane																ND
	Dichloromethane																ND
	Ethylbenzene																ND
	Methyl Iodide																ND
	Methyl Tertiary Butyl Ether																ND
	ortho-Xylene																ND
	para-Xylene & meta-Xylene																ND
	Styrene																ND
	Tetrachloroethene																ND
	Toluene																ND
	trans-1,2-Dichloroethene																ND
	trans-1,3-Dichloropropene																ND
	trans-1,4-Dichloro-2-butene																ND
	Trichloroethene																2.5
	Trichlorofluoromethane																ND
	Vinyl Acetate																ND
	Vinyl Chloride																ND
	Xylene (Total)																NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW-23A	1,1,1,2-Tetrachloroethane																ND
	1,1,1-Trichloroethane																ND
	1,1,2,2-Tetrachloroethane																ND
	1,1,2-Trichloroethane																ND
	1,1-Dichloroethane																ND
	1,1-Dichloroethene																ND
	1,2,3-Trichloropropane																ND
	1,2-Dibromo-3-chloropropane																ND
	1,2-Dibromoethane																ND
	1,2-Dichlorobenzene																ND
	1,2-Dichloroethane																ND
	1,2-Dichloropropane																ND
	1,4-Dichlorobenzene																ND
	2-Butanone																ND
	2-Hexanone																ND
	4-Methyl-2-Pentanone																ND
	Acetone																ND
	Acrylonitrile																ND
	Benzene																ND
	Bromochloromethane																ND
	Bromodichloromethane																ND
	Bromoform																ND
	Bromomethane																ND
	Carbon disulfide																ND
	Carbon Tetrachloride																ND
	Chlorobenzene																ND
	Chloroethane																ND
	Chloroform																ND
	Chloromethane																ND
	cis-1,2-Dichloroethene																ND
	cis-1,3-Dichloropropene																ND
	Dibromochloromethane																ND
	Dibromomethane																ND
	Dichloromethane																ND
	Ethylbenzene																ND
	Methyl Iodide																ND
	Methyl Tertiary Butyl Ether																ND
	ortho-Xylene																ND
	para-Xylene & meta-Xylene																ND
	Styrene																ND
	Tetrachloroethene																ND
	Toluene																ND
	trans-1,2-Dichloroethene																ND
	trans-1,3-Dichloropropene																ND
	trans-1,4-Dichloro-2-butene																ND
	Trichloroethene																ND
	Trichlorofluoromethane																ND
	Vinyl Acetate																ND
	Vinyl Chloride																ND
	Xylene (Total)																NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW-23B	1,1,1,2-Tetrachloroethane																ND
	1,1,1-Trichloroethane																ND
	1,1,2,2-Tetrachloroethane																ND
	1,1,2-Trichloroethane																ND
	1,1-Dichloroethane																ND
	1,1-Dichloroethene																ND
	1,2,3-Trichloropropane																ND
	1,2-Dibromo-3-chloropropane																ND
	1,2-Dibromoethane																ND
	1,2-Dichlorobenzene																ND
	1,2-Dichloroethane																ND
	1,2-Dichloropropane																ND
	1,4-Dichlorobenzene																ND
	2-Butanone																ND
	2-Hexanone																ND
	4-Methyl-2-Pentanone																ND
	Acetone																ND
	Acrylonitrile																ND
	Benzene																ND
	Bromochloromethane																ND
	Bromodichloromethane																ND
	Bromoform																ND
	Bromomethane																ND
	Carbon disulfide																ND
	Carbon Tetrachloride																ND
	Chlorobenzene																ND
	Chloroethane																ND
	Chloroform																1.15
	Chloromethane																3.43
	cis-1,2-Dichloroethene																ND
	cis-1,3-Dichloropropene																ND
	Dibromochloromethane																ND
	Dibromomethane																ND
	Dichloromethane																ND
	Ethylbenzene																ND
	Methyl Iodide																ND
	Methyl Tertiary Butyl Ether																ND
	ortho-Xylene																ND
	para-Xylene & meta-Xylene																ND
	Styrene																ND
	Tetrachloroethene																2.14
	Toluene																ND
	trans-1,2-Dichloroethene																ND
	trans-1,3-Dichloropropene																ND
	trans-1,4-Dichloro-2-butene																ND
	Trichloroethene																1.89
	Trichlorofluoromethane																ND
	Vinyl Acetate																ND
	Vinyl Chloride																ND
	Xylene (Total)																NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW-24A	1,1,1,2-Tetrachloroethane																ND
	1,1,1-Trichloroethane																ND
	1,1,2,2-Tetrachloroethane																ND
	1,1,2-Trichloroethane																ND
	1,1-Dichloroethane																2.05
	1,1-Dichloroethene																ND
	1,2,3-Trichloropropane																ND
	1,2-Dibromo-3-chloropropane																ND
	1,2-Dibromoethane																ND
	1,2-Dichlorobenzene																ND
	1,2-Dichloroethane																ND
	1,2-Dichloropropane																1.13
	1,4-Dichlorobenzene																11
	2-Butanone																ND
	2-Hexanone																ND
	4-Methyl-2-Pentanone																ND
	Acetone																ND
	Acrylonitrile																ND
	Benzene																3.81
	Bromochloromethane																ND
	Bromodichloromethane																ND
	Bromoform																ND
	Bromomethane																ND
	Carbon disulfide																ND
	Carbon Tetrachloride																ND
	Chlorobenzene																5.86
	Chloroethane																1.06
	Chloroform																ND
	Chloromethane																8.36
	cis-1,2-Dichloroethene																ND
	cis-1,3-Dichloropropene																ND
	Dibromochloromethane																ND
	Dibromomethane																ND
	Dichloromethane																ND
	Ethylbenzene																ND
	Methyl Iodide																ND
	Methyl Tertiary Butyl Ether																ND
	ortho-Xylene																ND
	para-Xylene & meta-Xylene																ND
	Styrene																ND
	Tetrachloroethene																ND
	Toluene																ND
	trans-1,2-Dichloroethene																2.2
	trans-1,3-Dichloropropene																ND
	trans-1,4-Dichloro-2-butene																ND
	Trichloroethene																ND
	Trichlorofluoromethane																ND
	Vinyl Acetate																ND
	Vinyl Chloride																**11.2**
	Xylene (Total)																NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
MW-24B	1,1,1,2-Tetrachloroethane																ND
	1,1,1-Trichloroethane																ND
	1,1,2,2-Tetrachloroethane																ND
	1,1,2-Trichloroethane																ND
	1,1-Dichloroethane																4.29
	1,1-Dichloroethene																ND
	1,2,3-Trichloropropane																ND
	1,2-Dibromo-3-chloropropane																ND
	1,2-Dibromoethane																ND
	1,2-Dichlorobenzene																ND
	1,2-Dichloroethane																ND
	1,2-Dichloropropane																ND
	1,4-Dichlorobenzene																9.29
	2-Butanone																40.3
	2-Hexanone																ND
	4-Methyl-2-Pentanone																ND
	Acetone																32.8
	Acrylonitrile																ND
	Benzene																4.28
	Bromochloromethane																ND
	Bromodichloromethane																ND
	Bromoform																ND
	Bromomethane																ND
	Carbon disulfide																ND
	Carbon Tetrachloride																ND
	Chlorobenzene																2.4
	Chloroethane																ND
	Chloroform																ND
	Chloromethane																1.46
	cis-1,2-Dichloroethene																ND
	cis-1,3-Dichloropropene																ND
	Dibromochloromethane																ND
	Dibromomethane																ND
	Dichloromethane																ND
	Ethylbenzene																ND
	Methyl Iodide																ND
	Methyl Tertiary Butyl Ether																ND
	ortho-Xylene																1.38
	para-Xylene & meta-Xylene																ND
	Styrene																ND
	Tetrachloroethene																ND
	Toluene																106
	trans-1,2-Dichloroethene																2.78
	trans-1,3-Dichloropropene																ND
	trans-1,4-Dichloro-2-butene																ND
	Trichloroethene																ND
	Trichlorofluoromethane																ND
	Vinyl Acetate																ND
	Vinyl Chloride																ND
	Xylene (Total)																NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
ST15	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	1,1-Dichloroethane	ND	ND	ND	ND	ND	3.65	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	NS	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	NS	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	1,4-Dichlorobenzene	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	2-Butanone	ND	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Acetone	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	NS	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	cis-1,2-Dichloroethene	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	ortho-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Trichloroethene	1.38	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Xylene (Total)	NT	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	NS	NT	NT	NT	NT

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-F
ST65	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	NS	ND	NS	NS	NS
	1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	NS	ND	NS	NS	NS
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	1,4-Dichlorobenzene	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.15	NS	5.88	NS	NS	NS
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	NS	ND	NS	NS	NS
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Bromomethane	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Chloromethane	ND	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	ortho-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Toluene	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS
	Xylene (Total)	NT	NT	ND	ND	3.6	NT	NT	ND	NT	NT	NT	NS	NT	NS	NS	NS

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

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	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	2017-S	2017-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	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	0.19	ND	ND	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	ND	ND	ND
	2-Hexanone	ND	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	ND
	Acetone	ND	ND	ND	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	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	0.28	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	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	1.61	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	4.27	1.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ortho-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	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	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	ND	ND	2.2	NT	NT	ND	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	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	2017-S	2017-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	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	ND	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	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	0.69	1.49	ND	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	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	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	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	ND	ND	1.6	NT	NT	ND	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	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	2017-S	2017-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	NT	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	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	0.22	ND	ND	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	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	0.21	ND	ND	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	ND	ND	ND
	Acrylonitrile	ND	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	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	1.8	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	0.87	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	0.57	1.26	ND	ND	ND	ND	1.3	2.26	ND	1.33	ND	1.13	ND	ND	1.09	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	ND	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	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	1.10	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	0.27	0.90	ND	ND	ND	ND	ND	1.01	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	ND	ND	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	ND	ND	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT

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

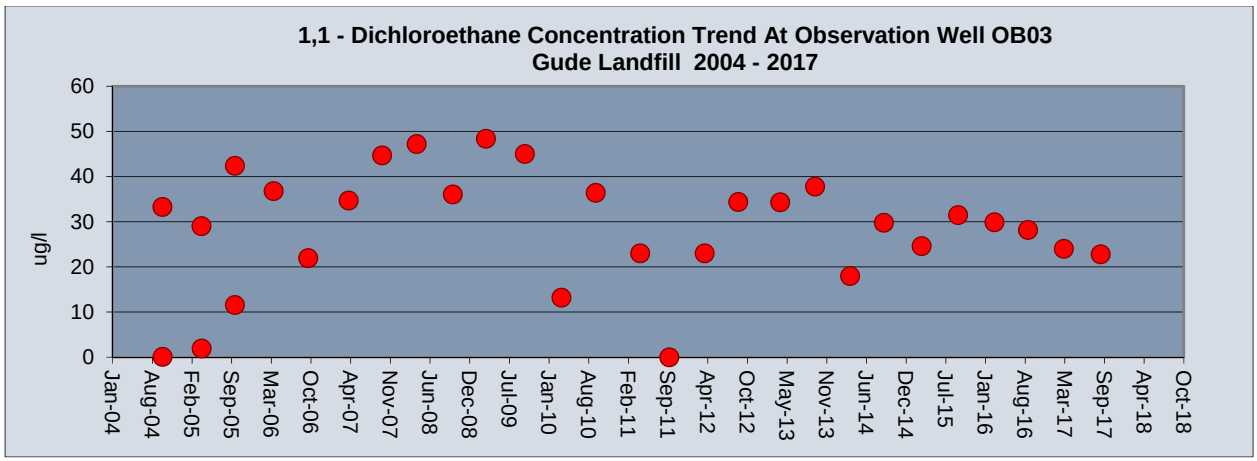
Appendix C

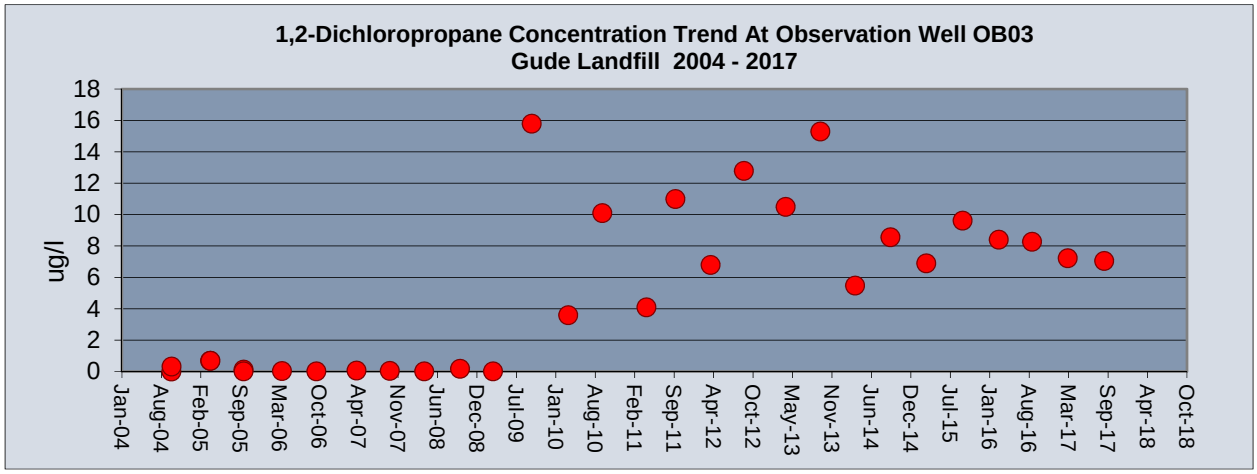
Volatile Organic Compounds

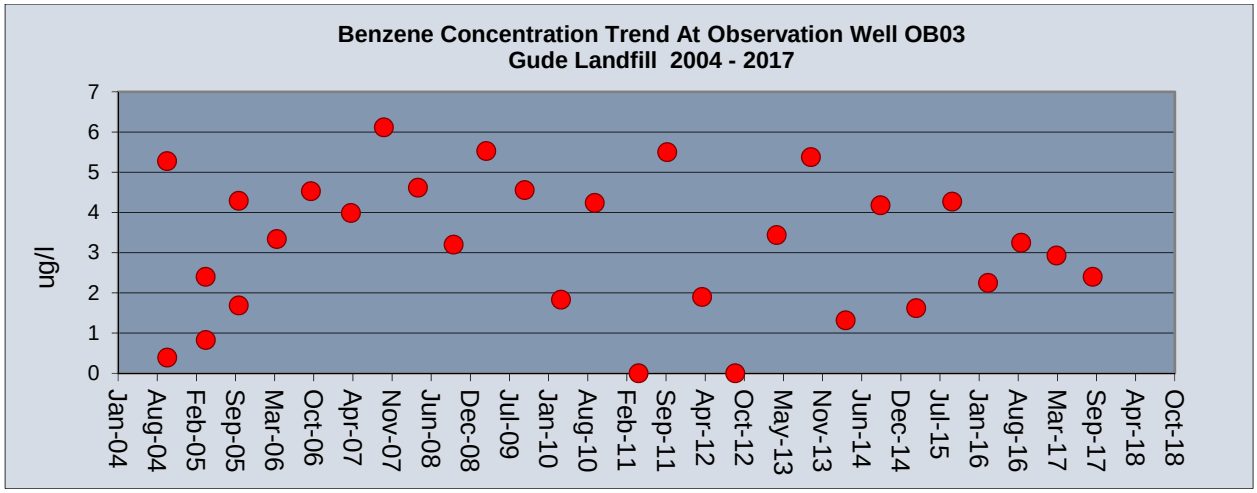
Graphical Depiction of Data

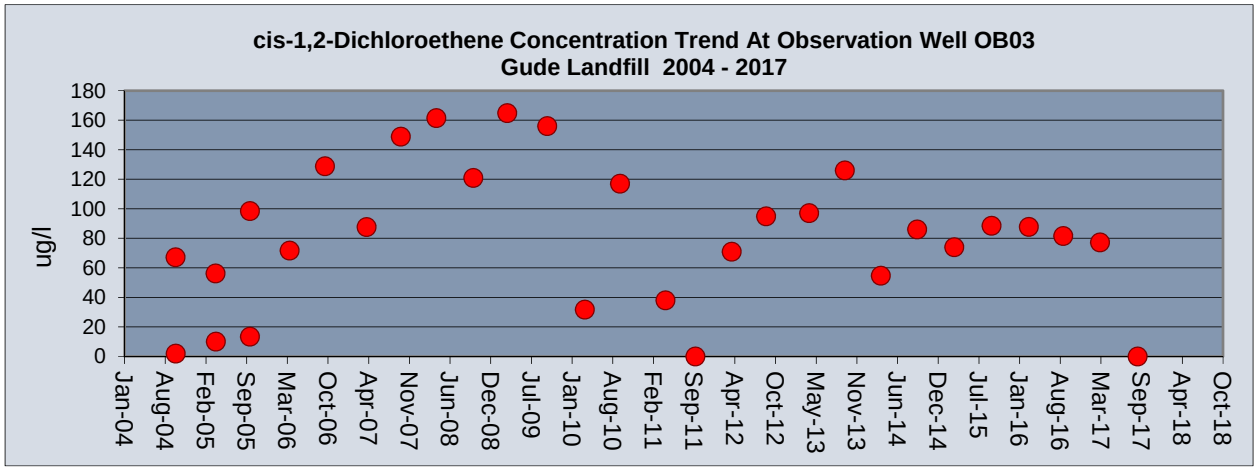
The following graphs provide Historical Trend Analysis for those VOC compounds that are consistently detected at specific monitoring locations. These historical trend analyses do not include the monitoring locations installed in 2010.

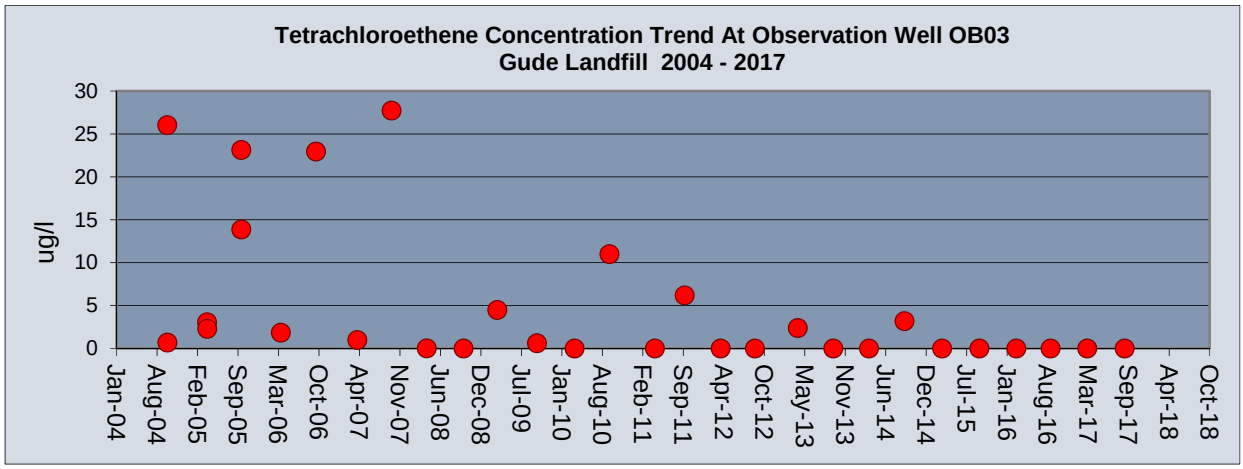
(Please refer to Tables 1 and 2 for additional information.)

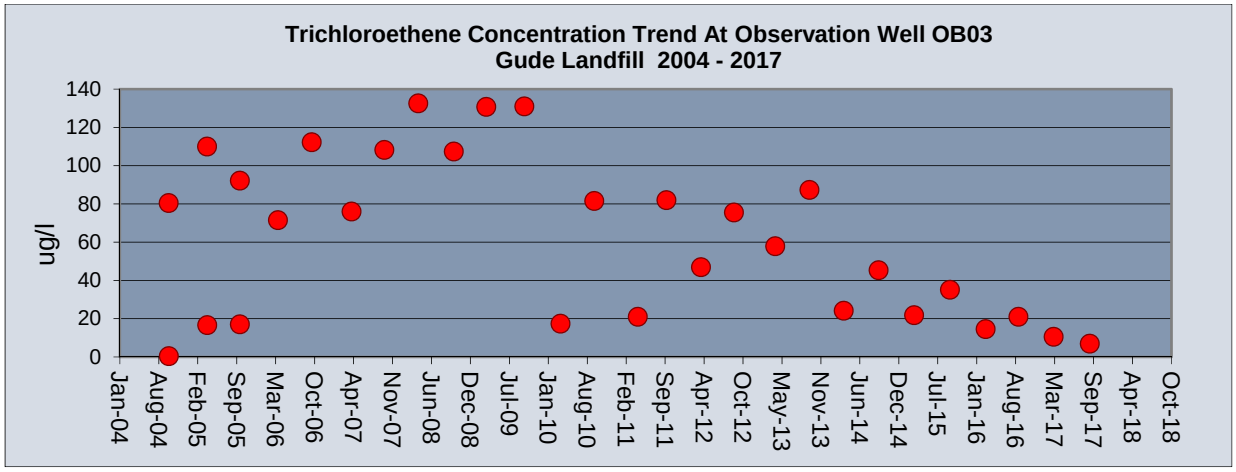


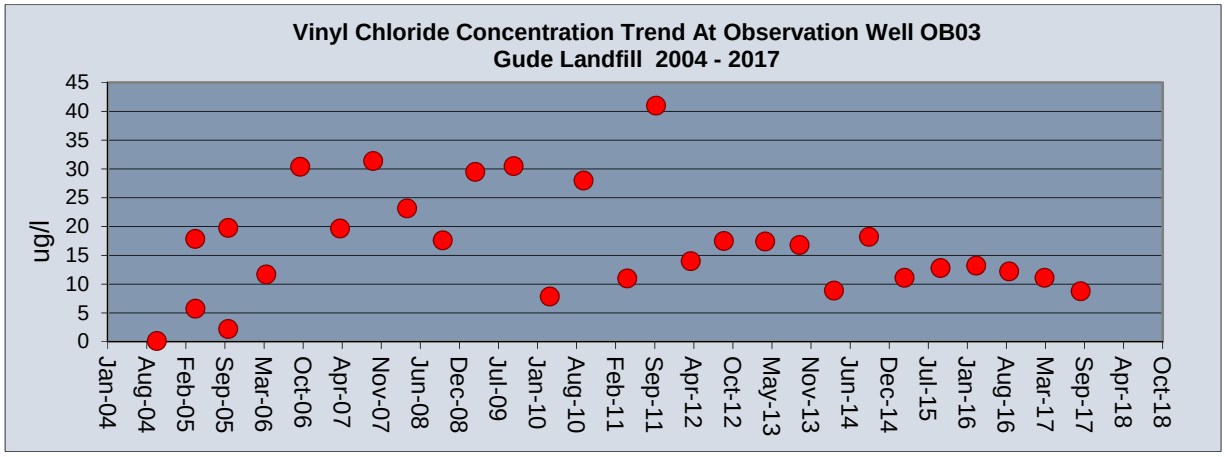


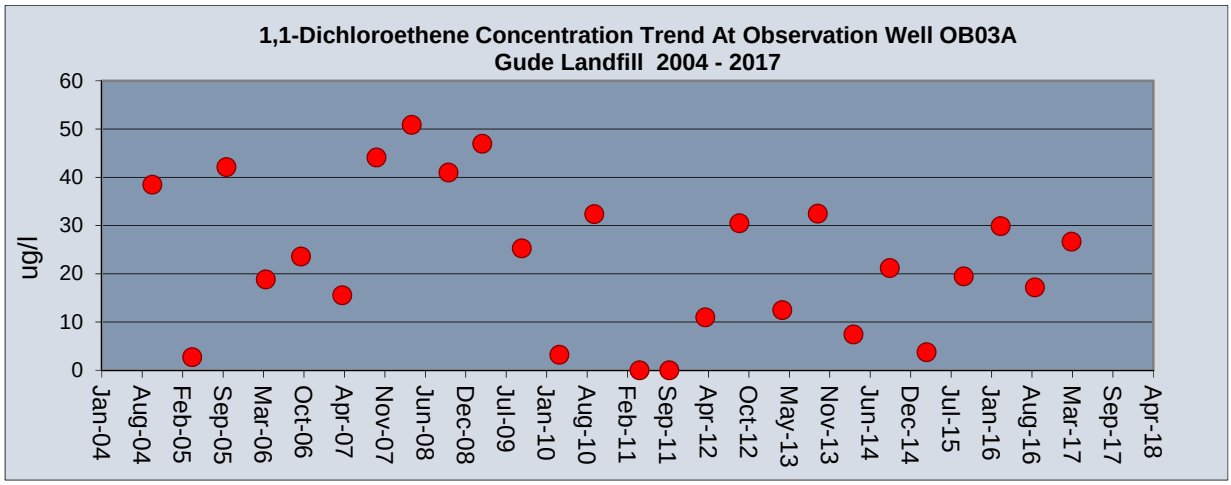

Benzene Concentration Trend At Observation Well OB03
Gude Landfill 2004 - 2017
ug/l
0
1
2
3
4
5
6
7
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

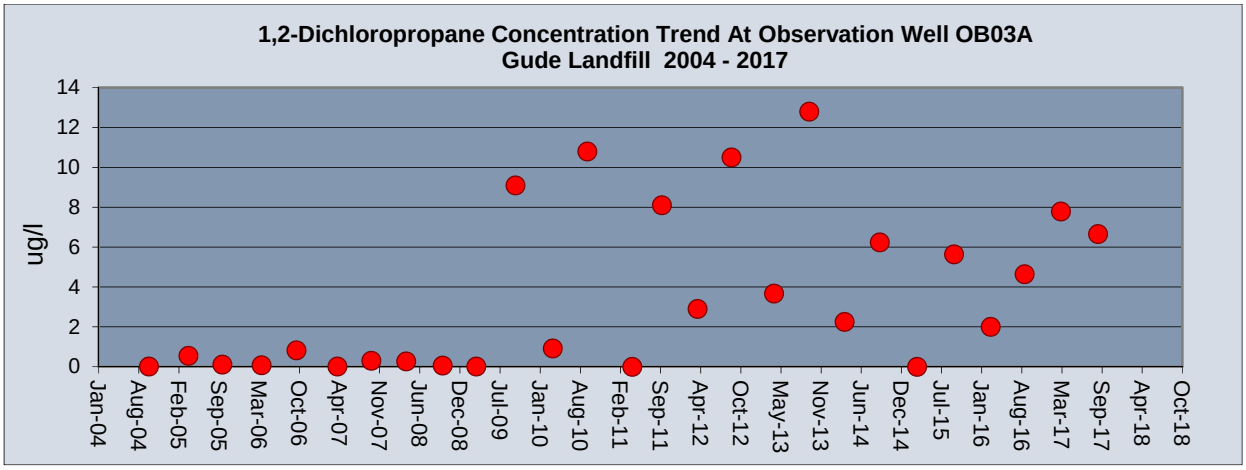

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2004 - 2017
ug/l
0
20
40
60
80
100
120
140
160
180
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

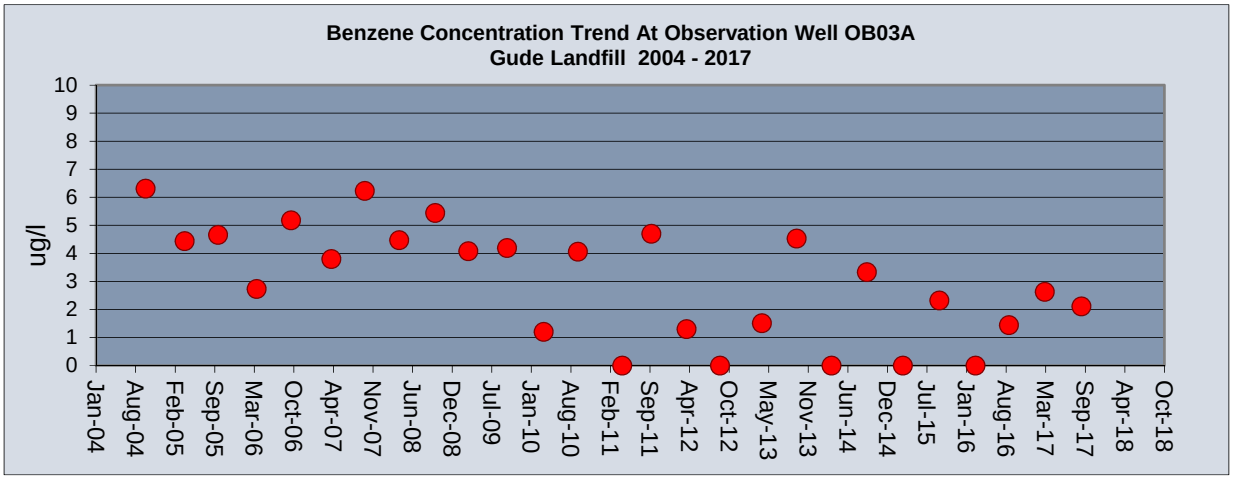

Tetrachloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2004 - 2017
ug/l
0
5
10
15
20
25
30
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

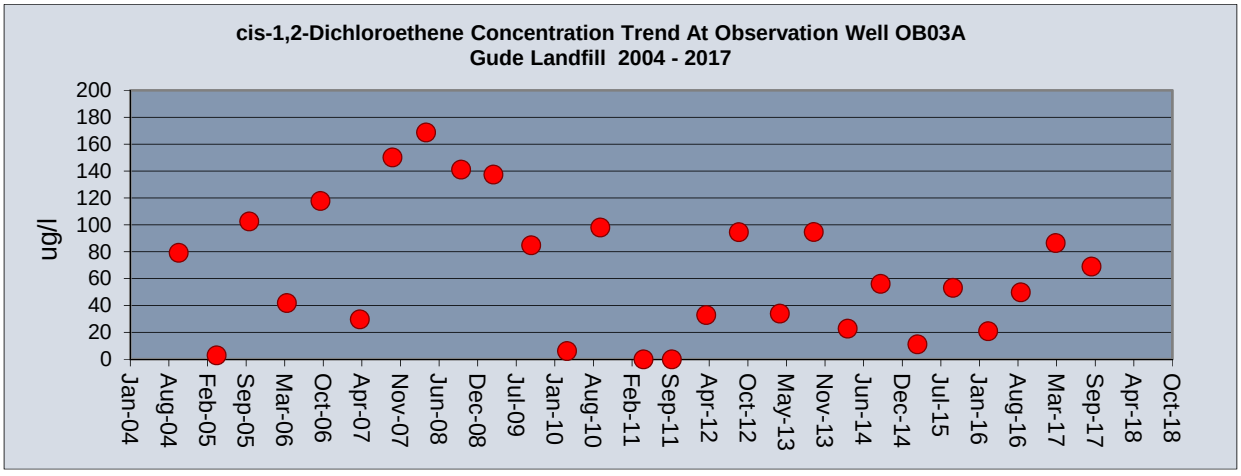

Trichloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2004 - 2017
ug/l
0
20
40
60
80
100
120
140
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

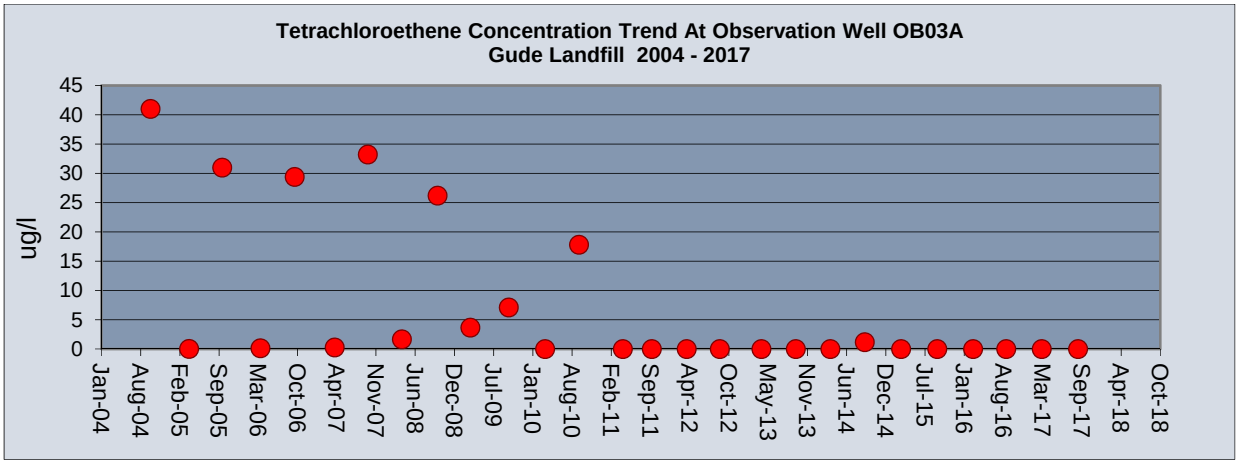

Vinyl Chloride Concentration Trend At Observation Well OB03
Gude Landfill 2004 - 2017
ug/l
0
5
10
15
20
25
30
35
40
45
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

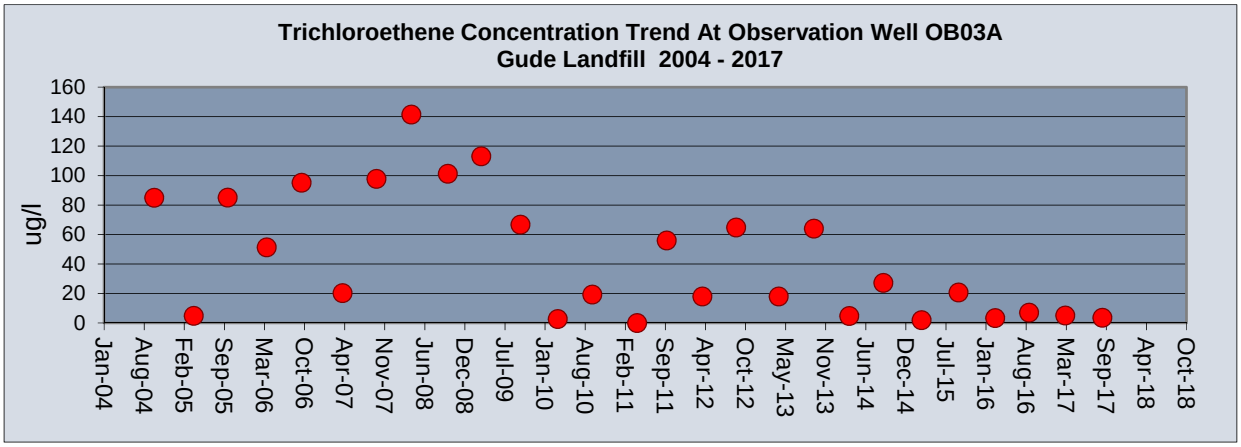

1,1-Dichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2004 - 2017
ug/l
0
10
20
30
40
50
60
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18

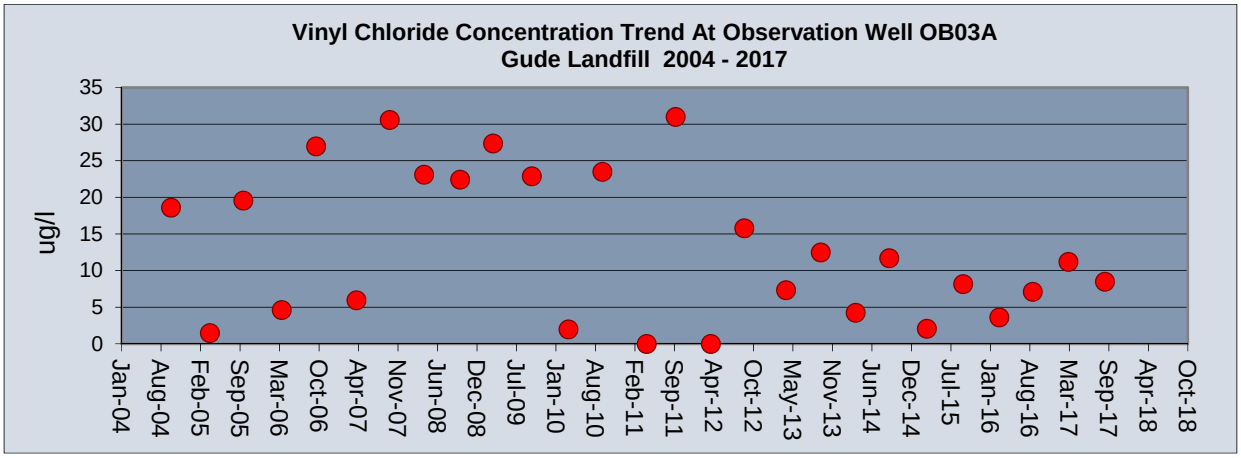

1,2-Dichloropropane Concentration Trend At Observation Well OB03A
Gude Landfill 2004 - 2017
ug/l
0
2
4
6
8
10
12
14
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

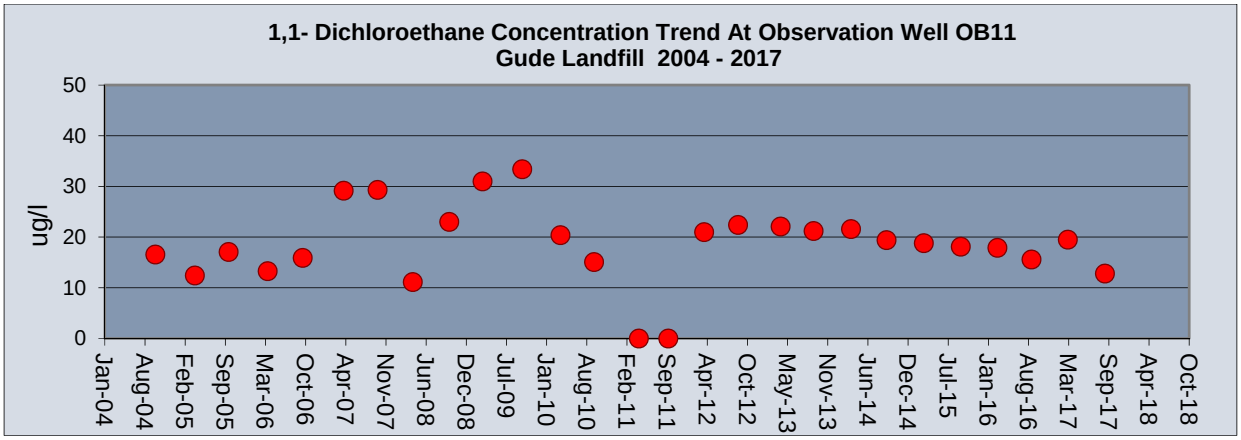

Benzene Concentration Trend At Observation Well OB03A
Gude Landfill 2004 - 2017
ug/l
0
1
2
3
4
5
6
7
8
9
10
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

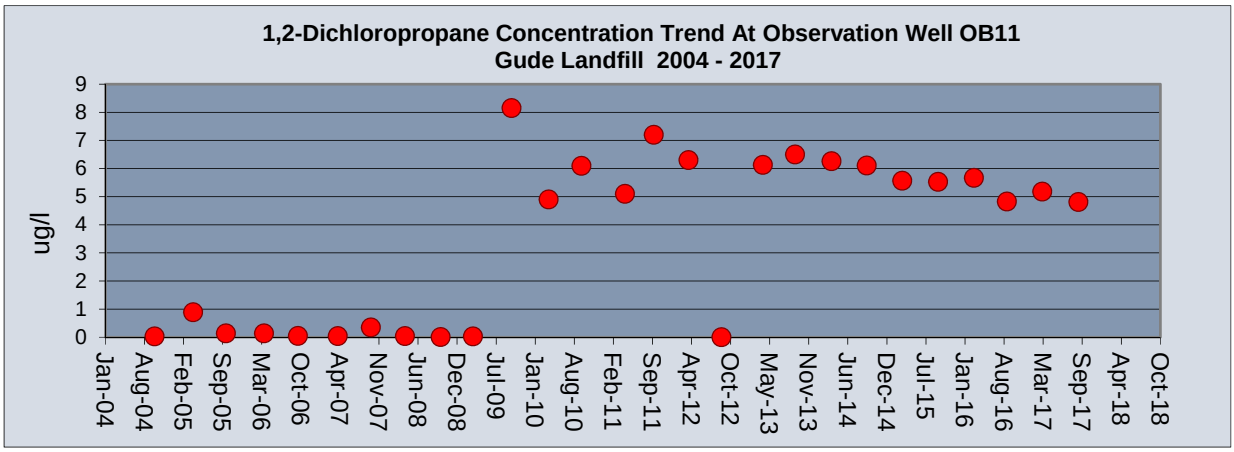

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2004 - 2017
ug/l
0
20
40
60
80
100
120
140
160
180
200
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

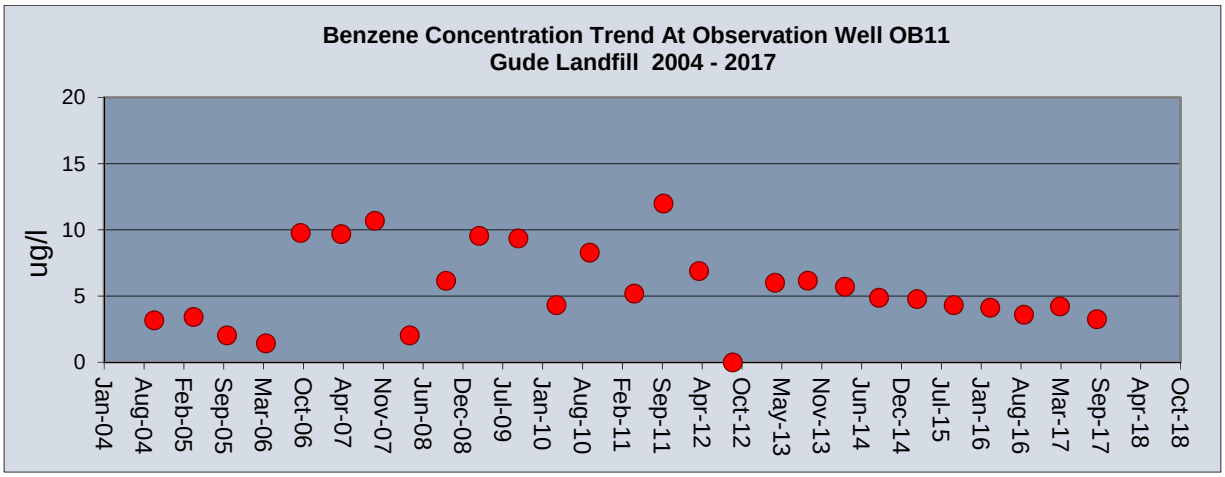

Tetrachloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2004 - 2017
ug/l
0
5
10
15
20
25
30
35
40
45
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

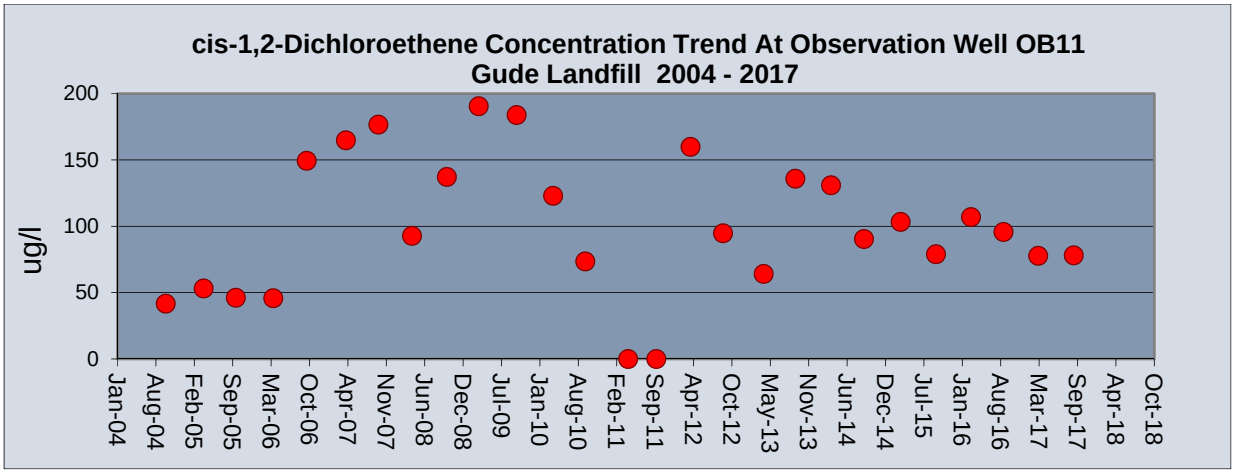

Trichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2004 - 2017
ug/l
0
20
40
60
80
100
120
140
160
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

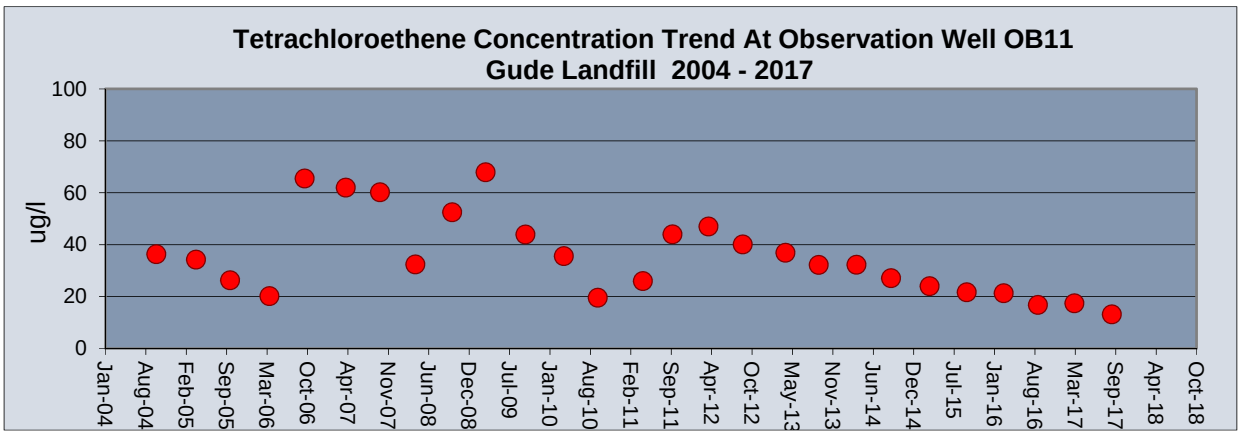

Vinyl Chloride Concentration Trend At Observation Well OB03A
Gude Landfill 2004 - 2017
ug/l
0
5
10
15
20
25
30
35
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

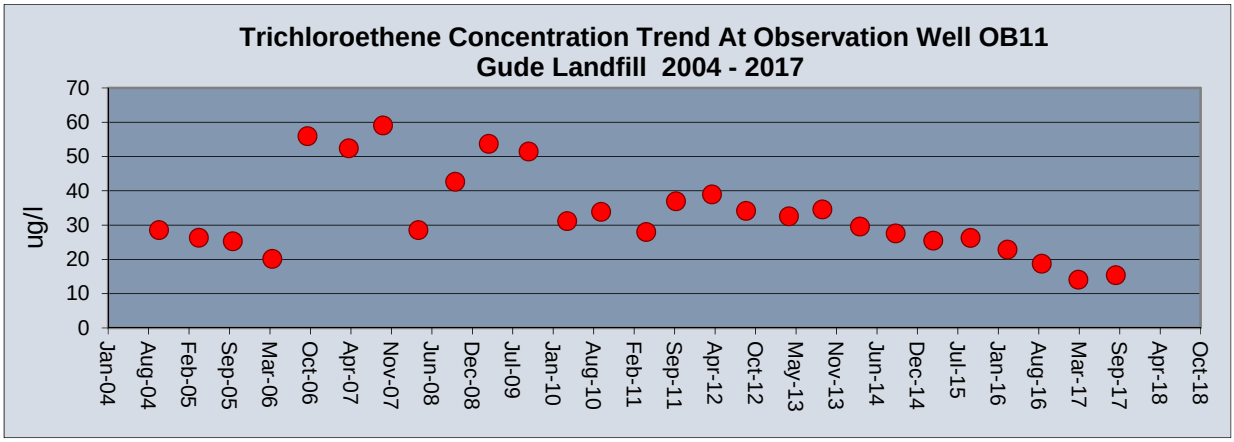

1,1- Dichloroethane Concentration Trend At Observation Well OB11
Gude Landfill 2004 - 2017
ug/l
0
10
20
30
40
50
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

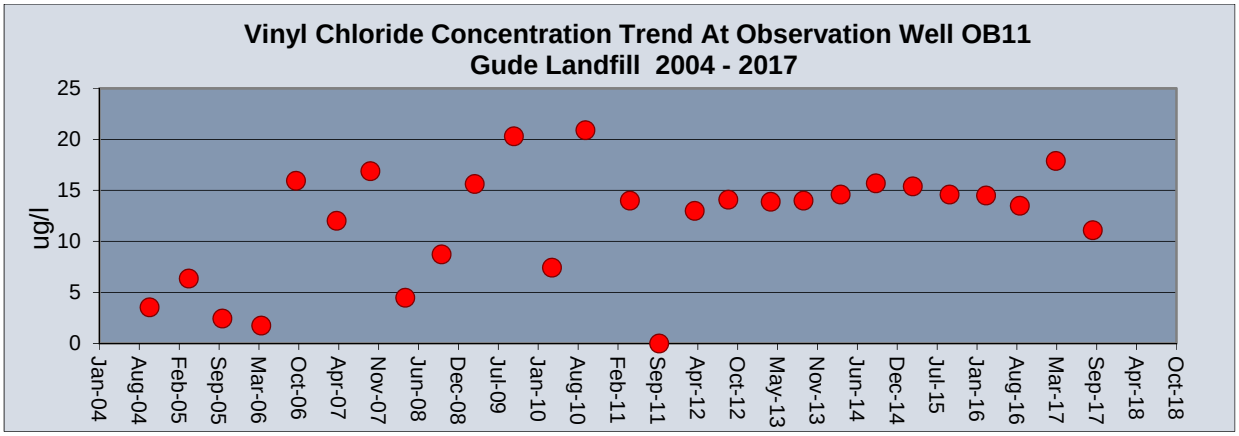

1,2-Dichloropropane Concentration Trend At Observation Well OB11
Gude Landfill 2004 - 2017
ug/l
0
1
2
3
4
5
6
7
8
9
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

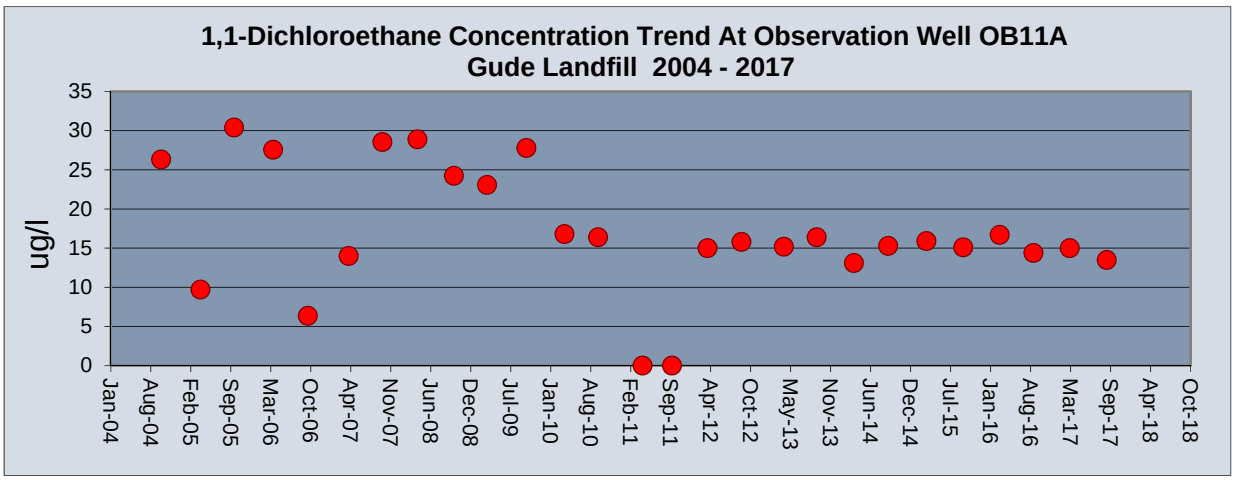

Benzene Concentration Trend At Observation Well OB11
Gude Landfill 2004 - 2017
ug/l
0
5
10
15
20
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

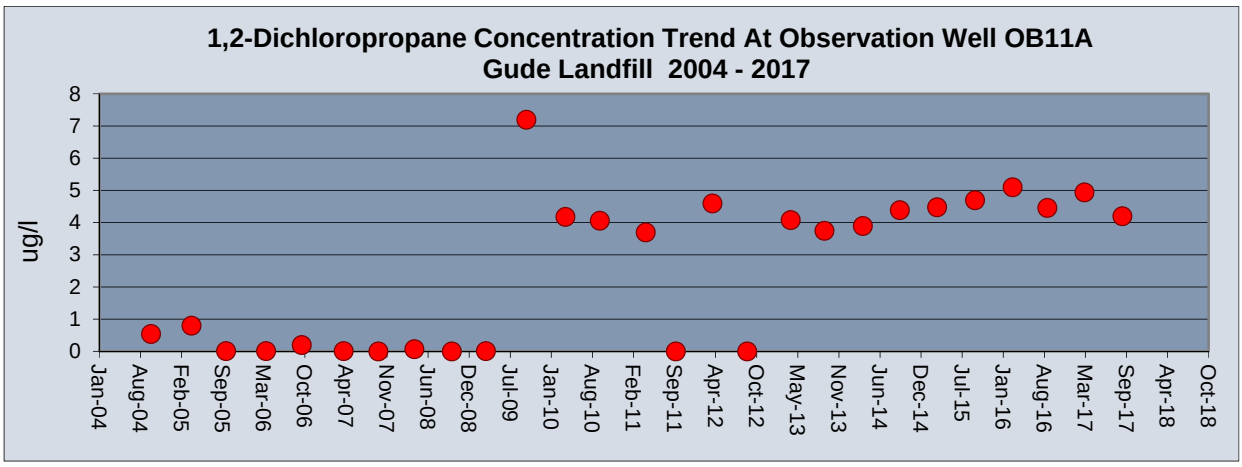

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2004 - 2017
ug/l
200
150
100
50
0
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

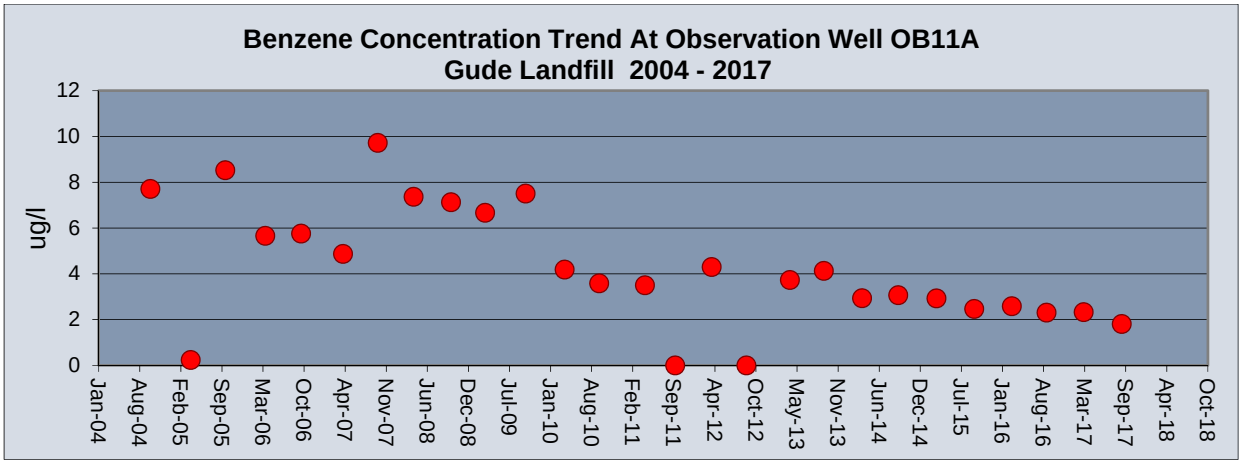

Tetrachloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2004 - 2017
ug/l
100
80
60
40
20
0
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

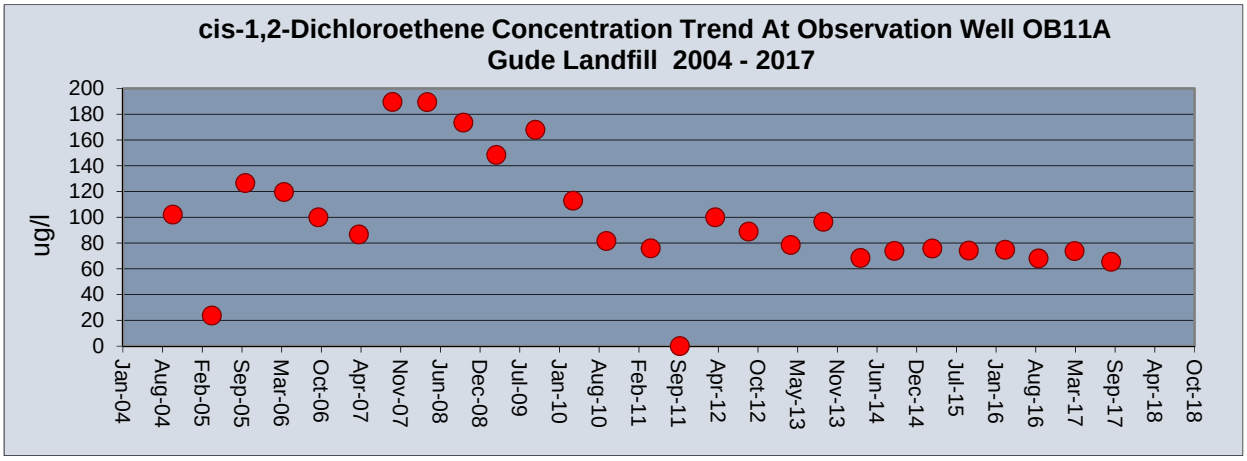

Trichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2004 - 2017
ug/l
70
60
50
40
30
20
10
0
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

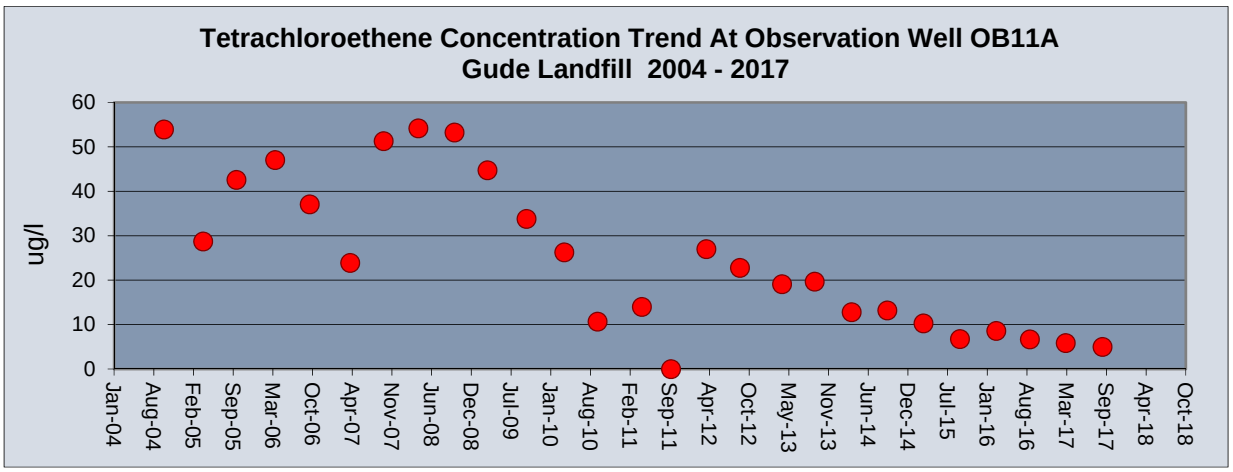

Vinyl Chloride Concentration Trend At Observation Well OB11
Gude Landfill 2004 - 2017
ug/l
0
5
10
15
20
25
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

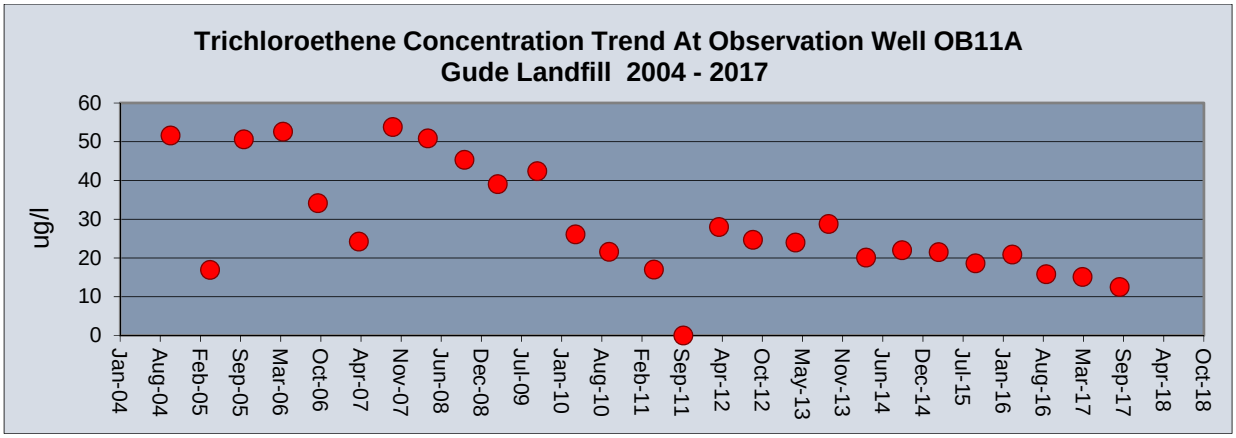

1,1-Dichloroethane Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
0
5
10
15
20
25
30
35
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

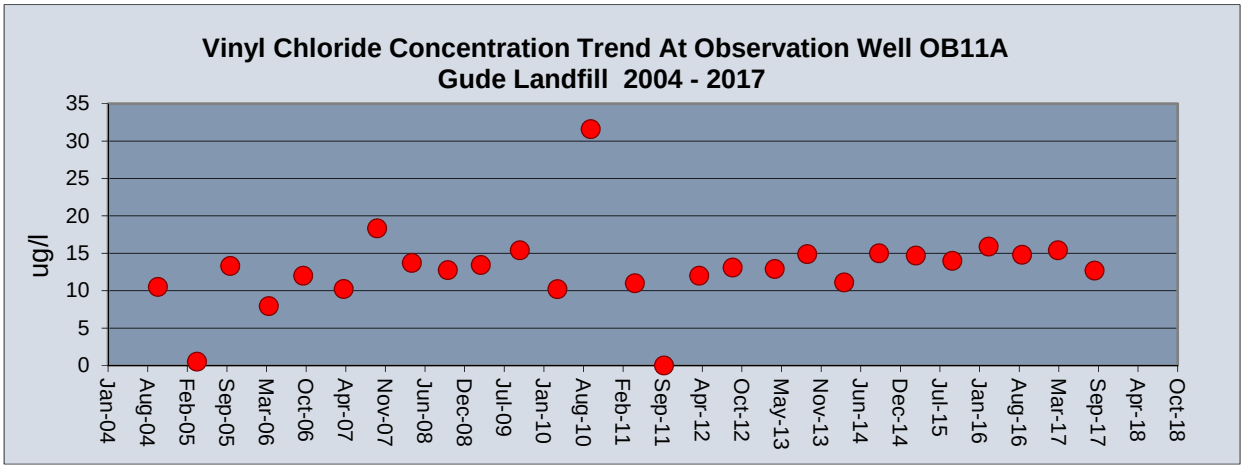

1,2-Dichloropropane Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
0
1
2
3
4
5
6
7
8
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

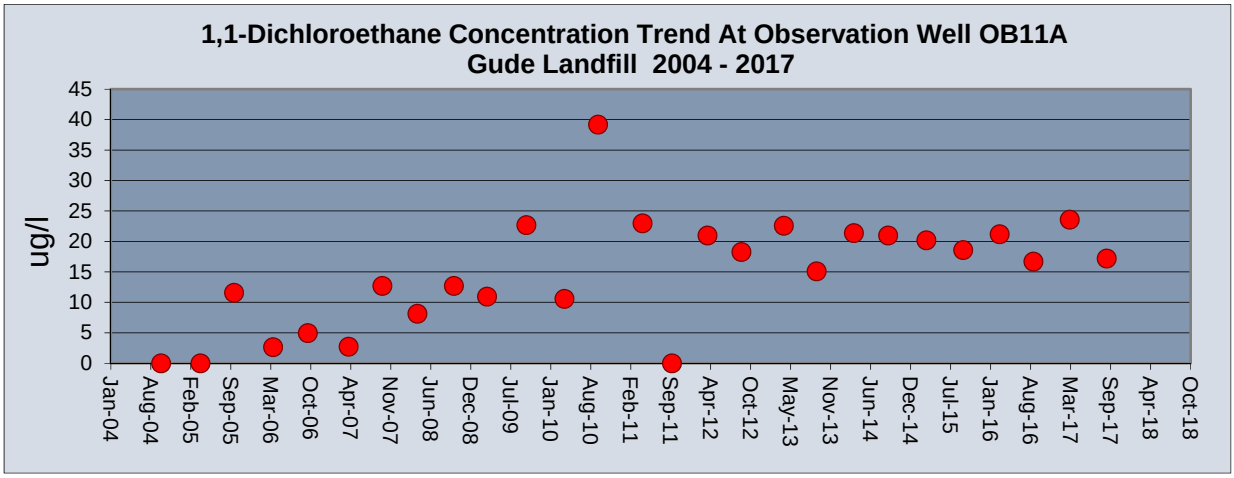

Benzene Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
0
2
4
6
8
10
12
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

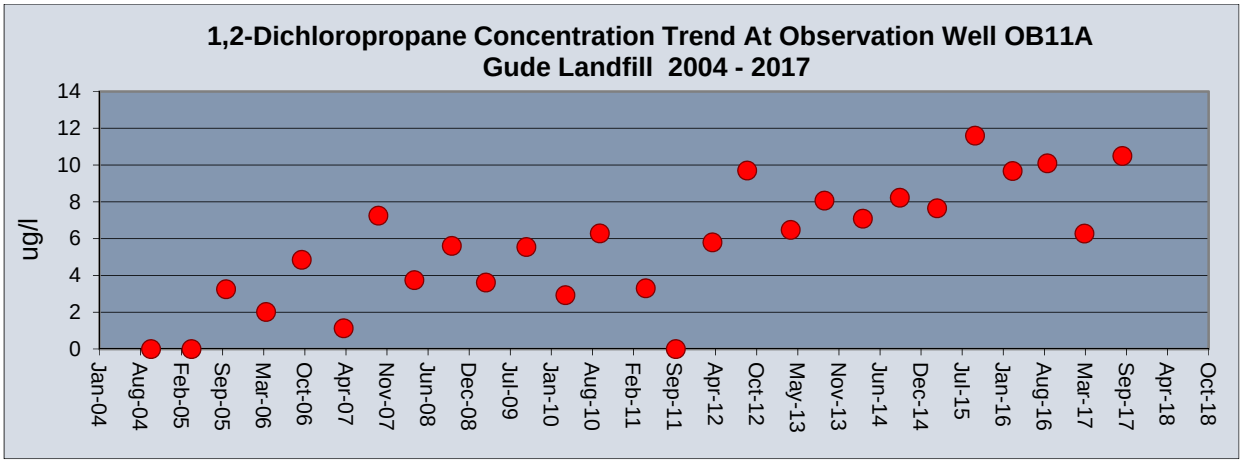

cis-1,2-Dichloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
0
20
40
60
80
100
120
140
160
180
200
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

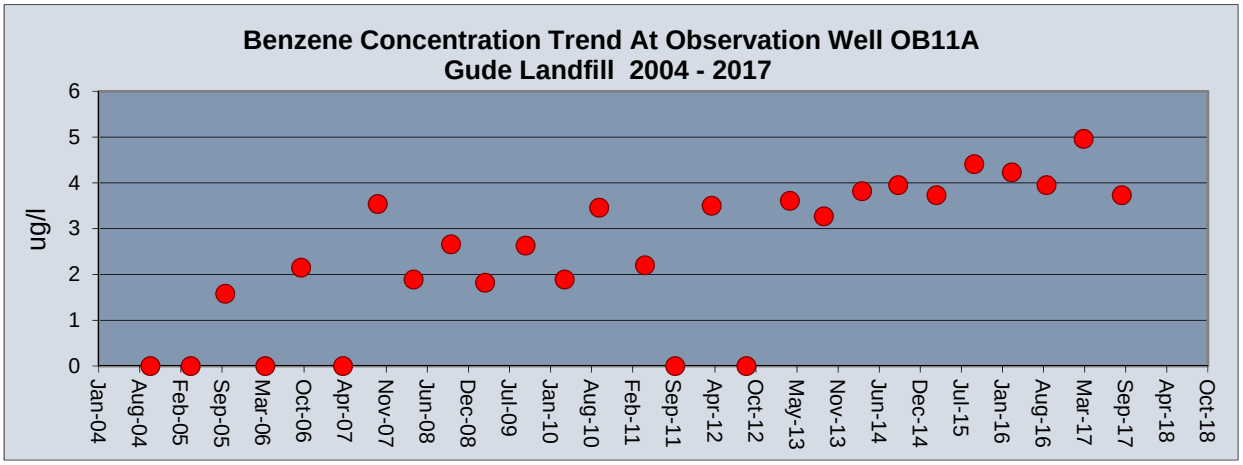

Tetrachloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
0
10
20
30
40
50
60
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

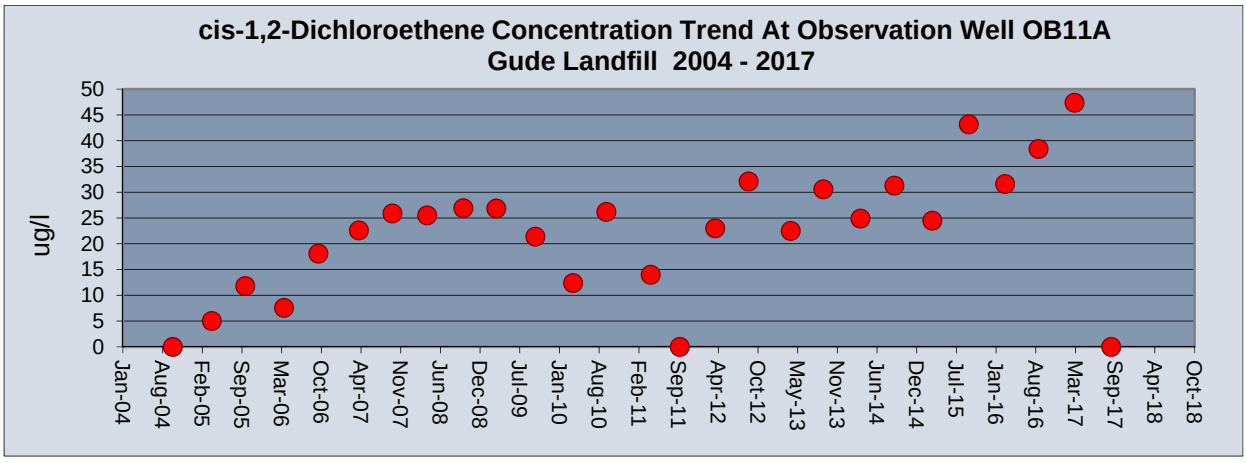

Trichloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
60
50
40
30
20
10
0
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

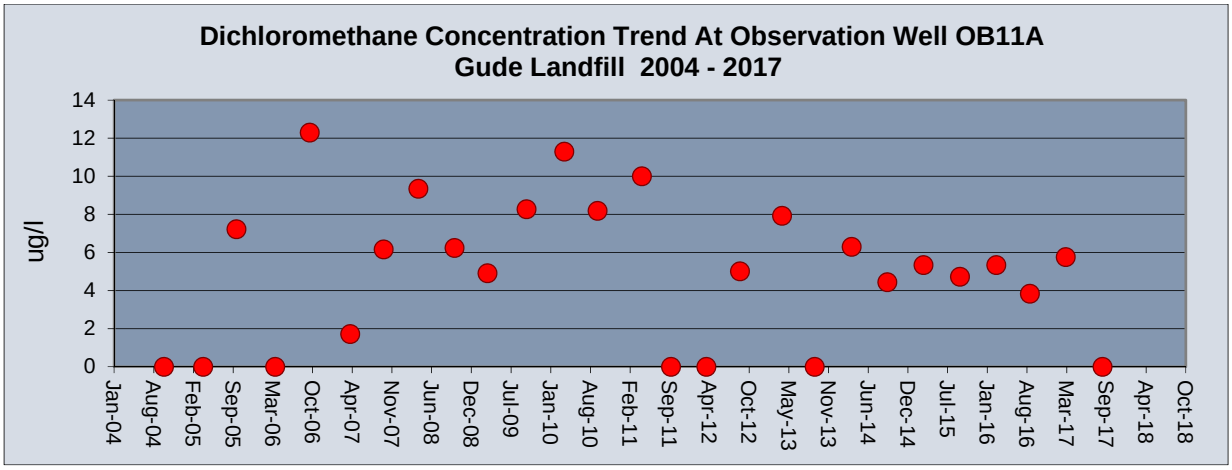

Vinyl Chloride Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
35
30
25
20
15
10
5
0
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

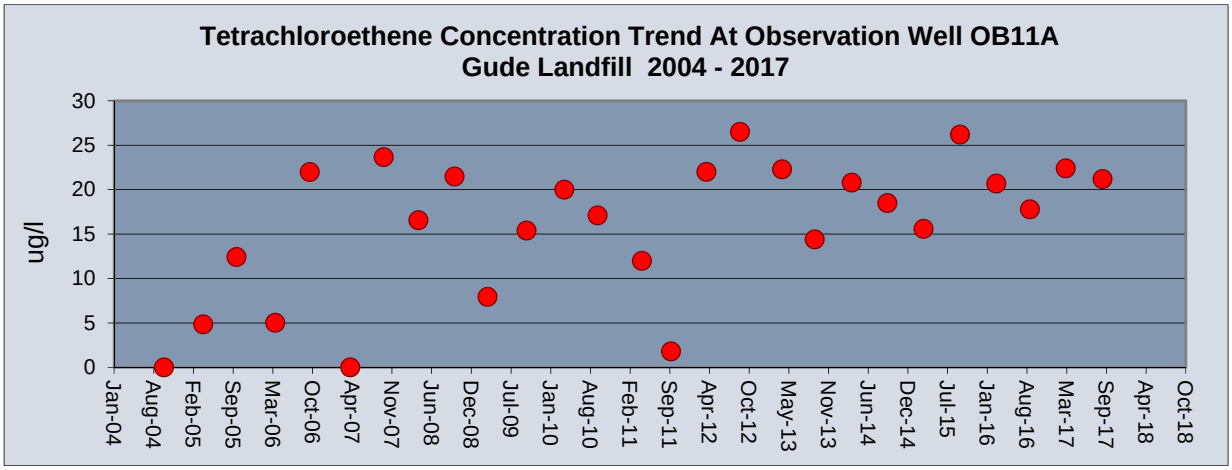

1,1-Dichloroethane Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
45
40
35
30
25
20
15
10
5
0
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18


1,2-Dichloropropane Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
0
2
4
6
8
10
12
14
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
Apr-18
Oct-18


Benzene Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
0
1
2
3
4
5
6
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
Apr-18
Oct-18


cis-1,2-Dichloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
0
5
10
15
20
25
30
35
40
45
50
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
Apr-18
Oct-18


Dichloromethane Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
0
2
4
6
8
10
12
14
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
Apr-18
Oct-18


Tetrachloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
0
5
10
15
20
25
30
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
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Jul-15
Jan-16
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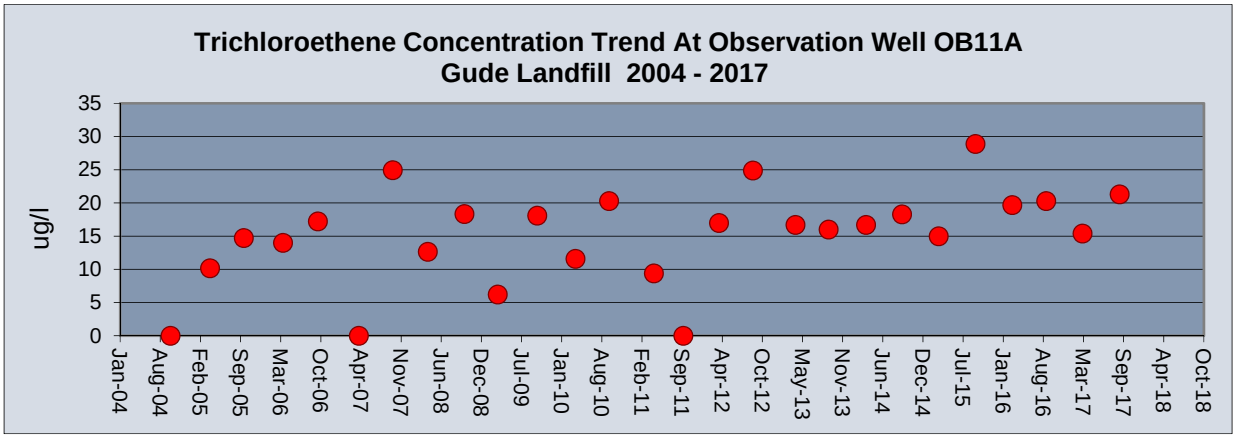
Mar-17
Sep-17
Apr-18
Oct-18


Trichloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
0
5
10
15
20
25
30
35
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
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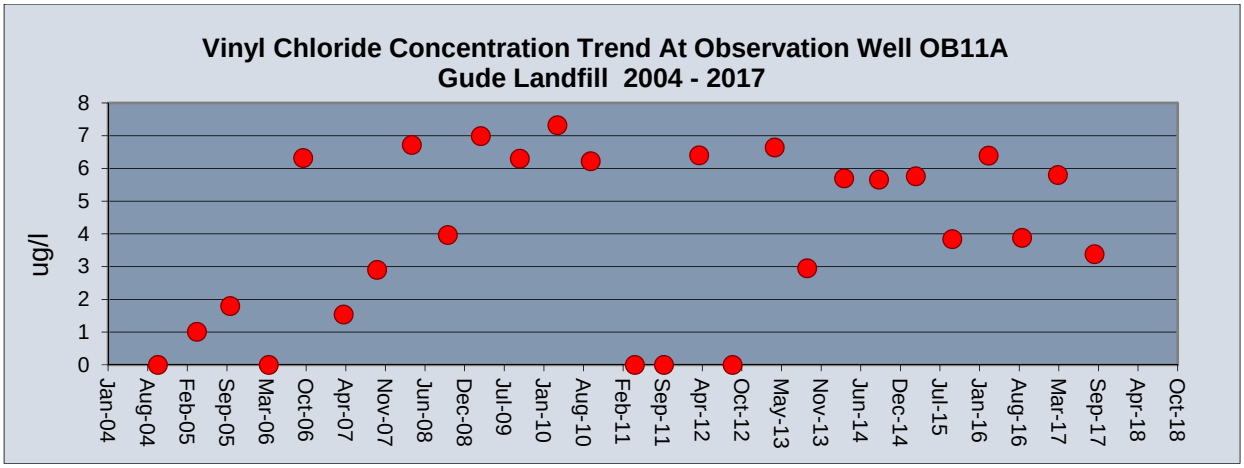
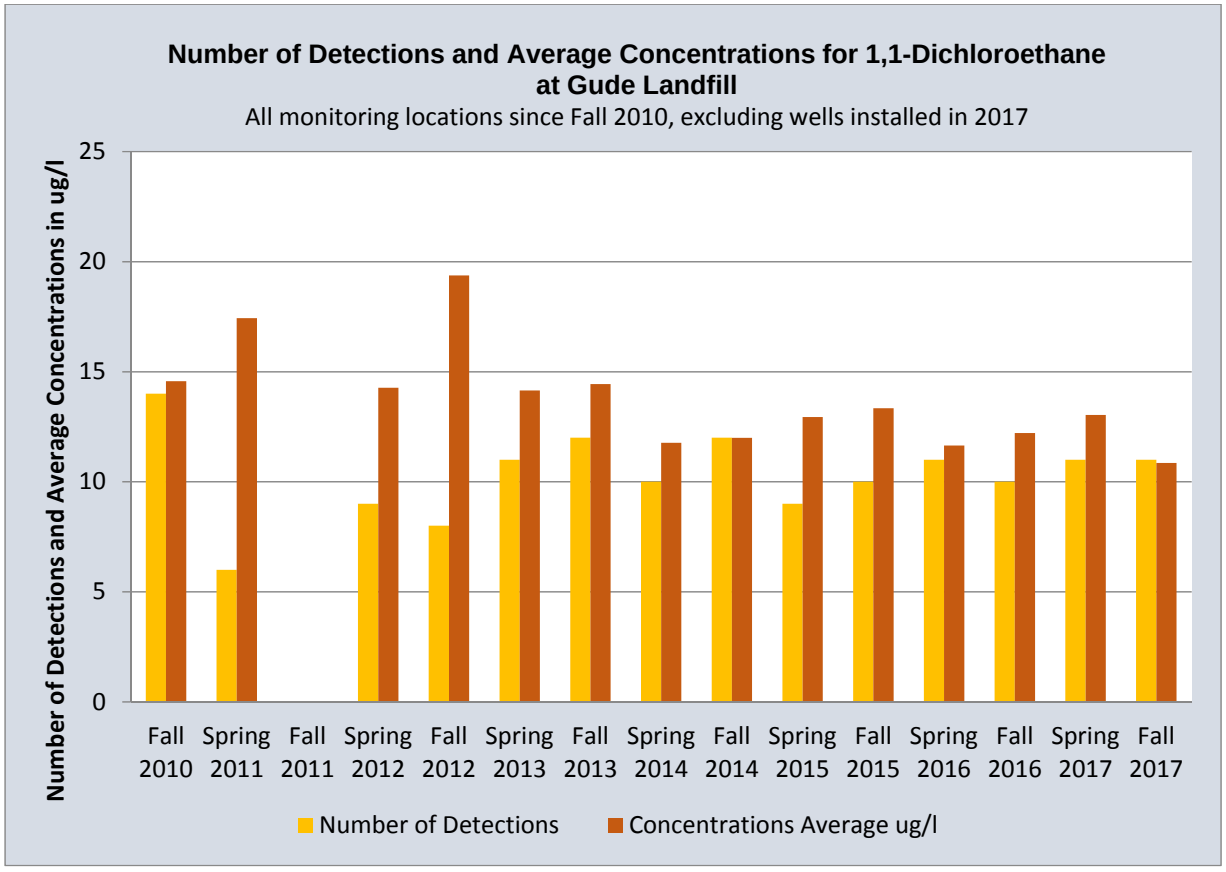
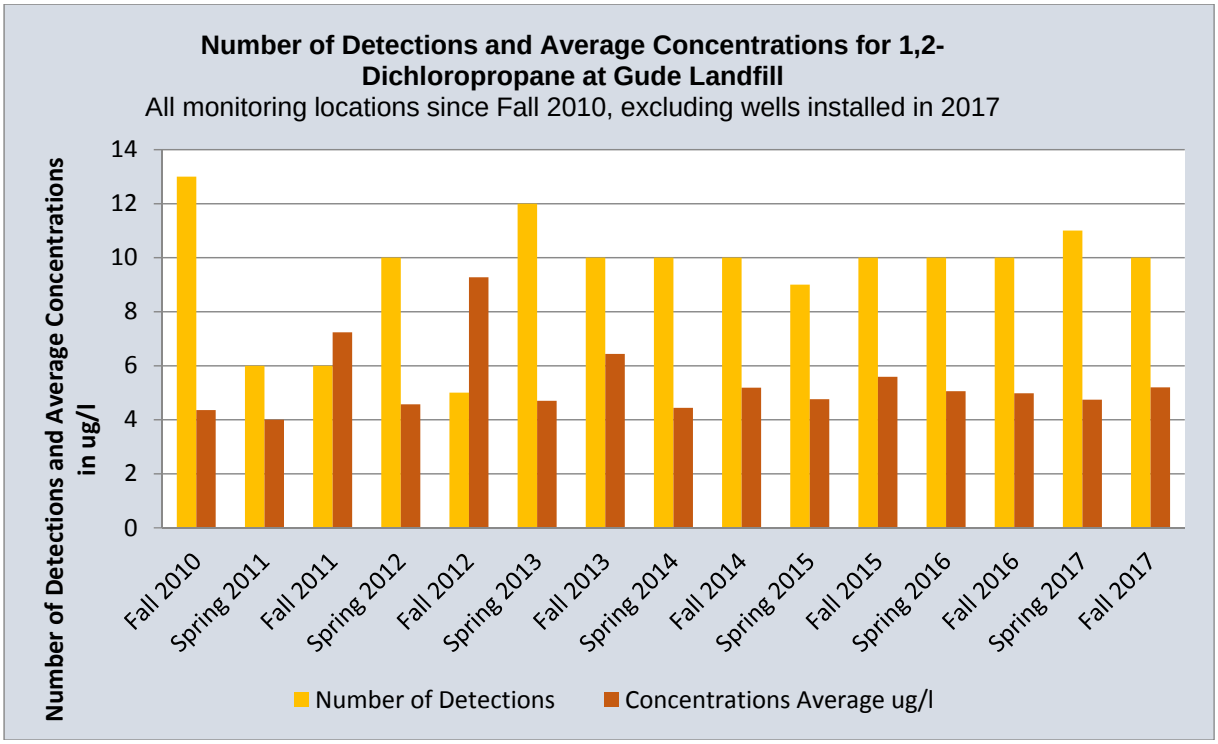
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

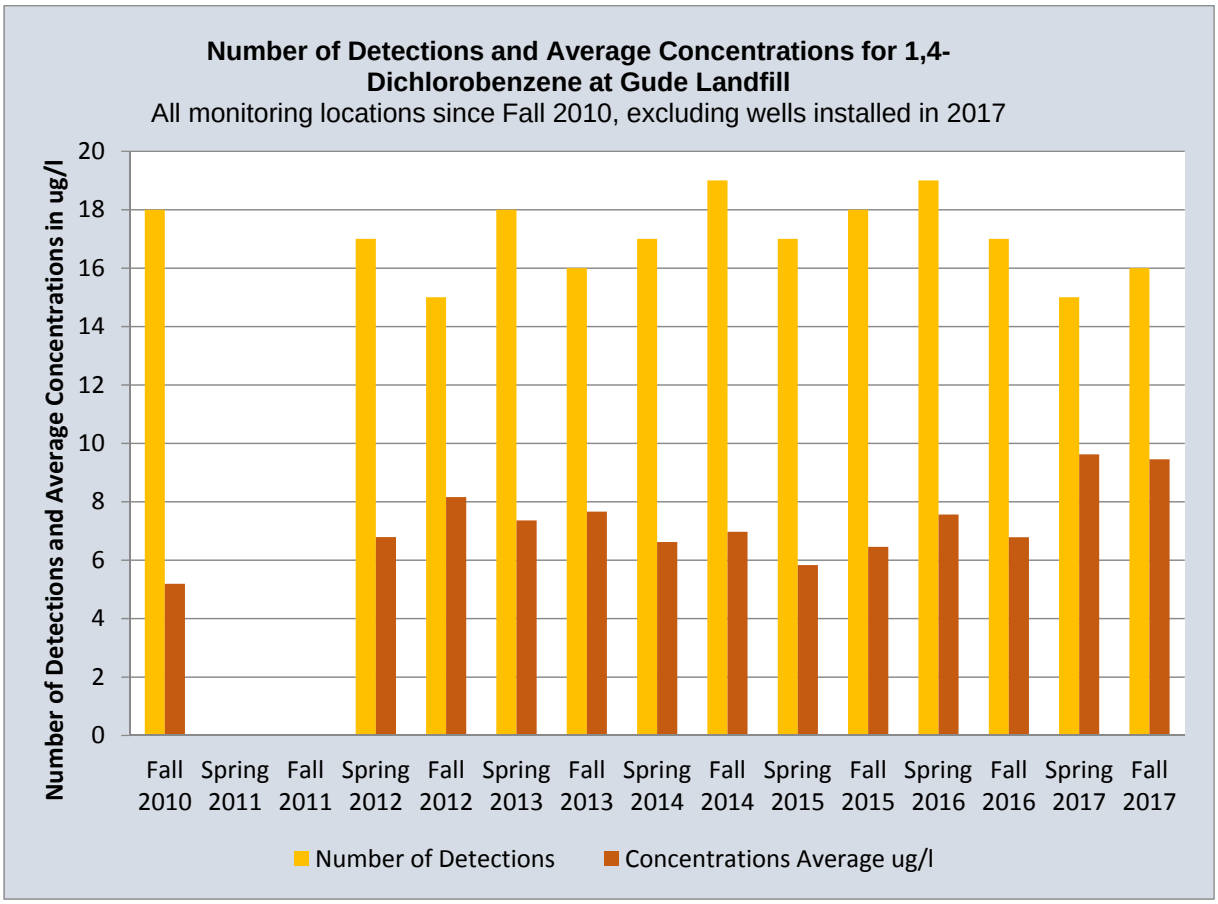

Vinyl Chloride Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2017
ug/l
0
1
2
3
4
5
6
7
8
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Oct-06
Apr-07
Nov-07
Jun-08
Dec-08
Jul-09
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18

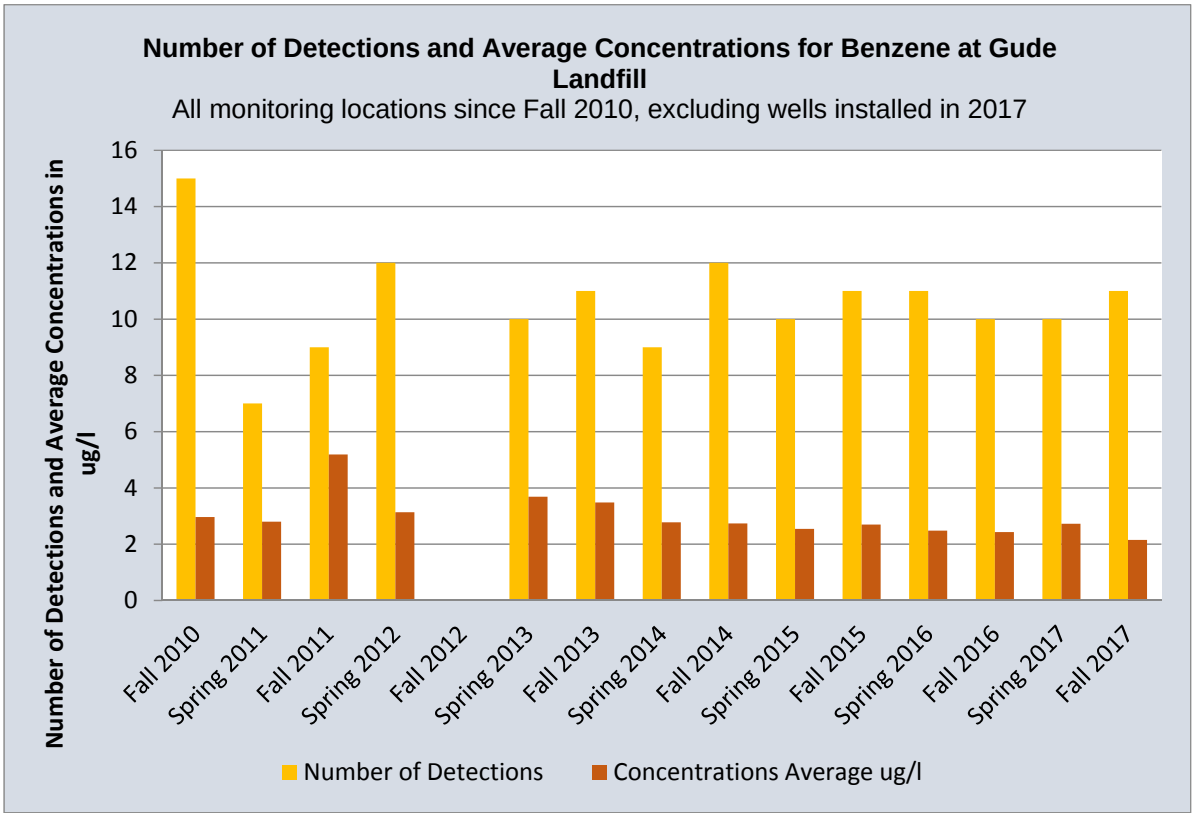
The following graphs provide Historical Trend Analysis for particular VOC compounds that are detected on regular basis at the Landfill since 2010.

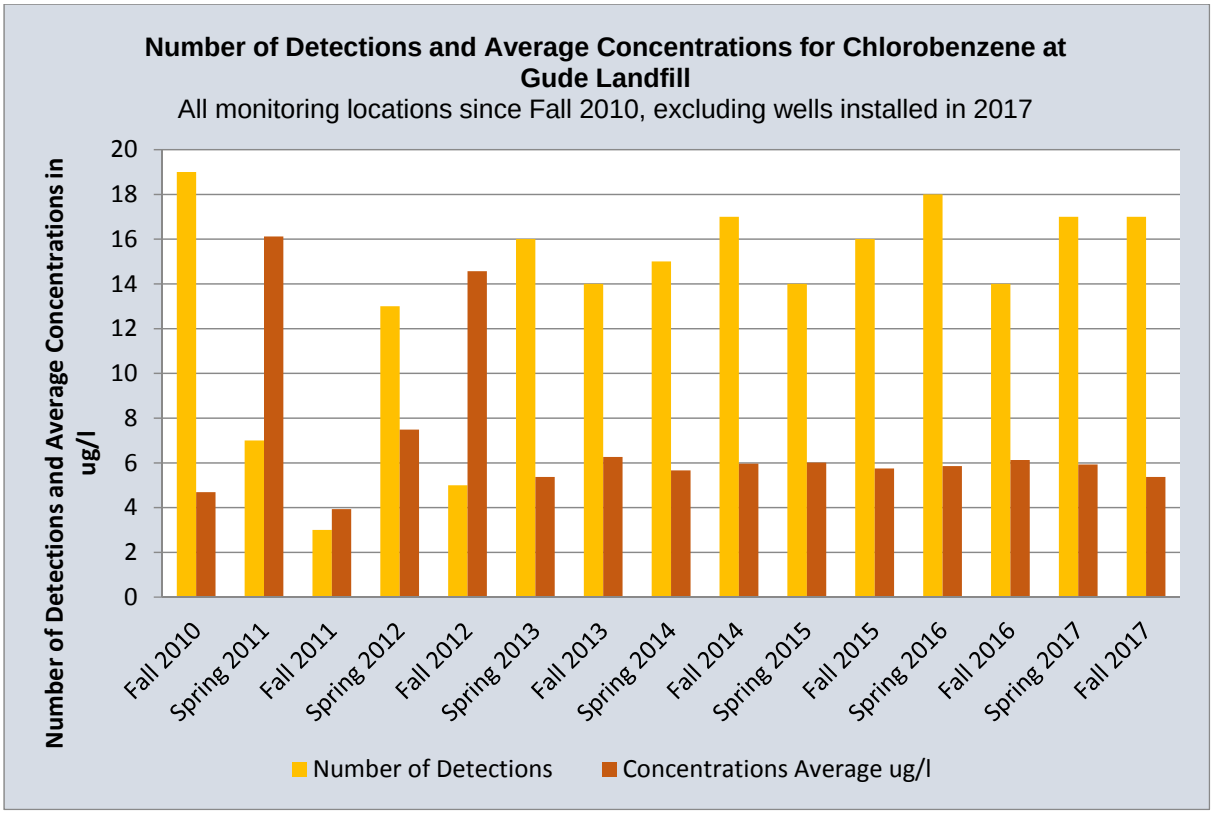
(These trend analyses are for all the monitoring wells including those installed in 2010, excluding those installed in 2017. Please refer to Tables 1 and 2 for additional information.)

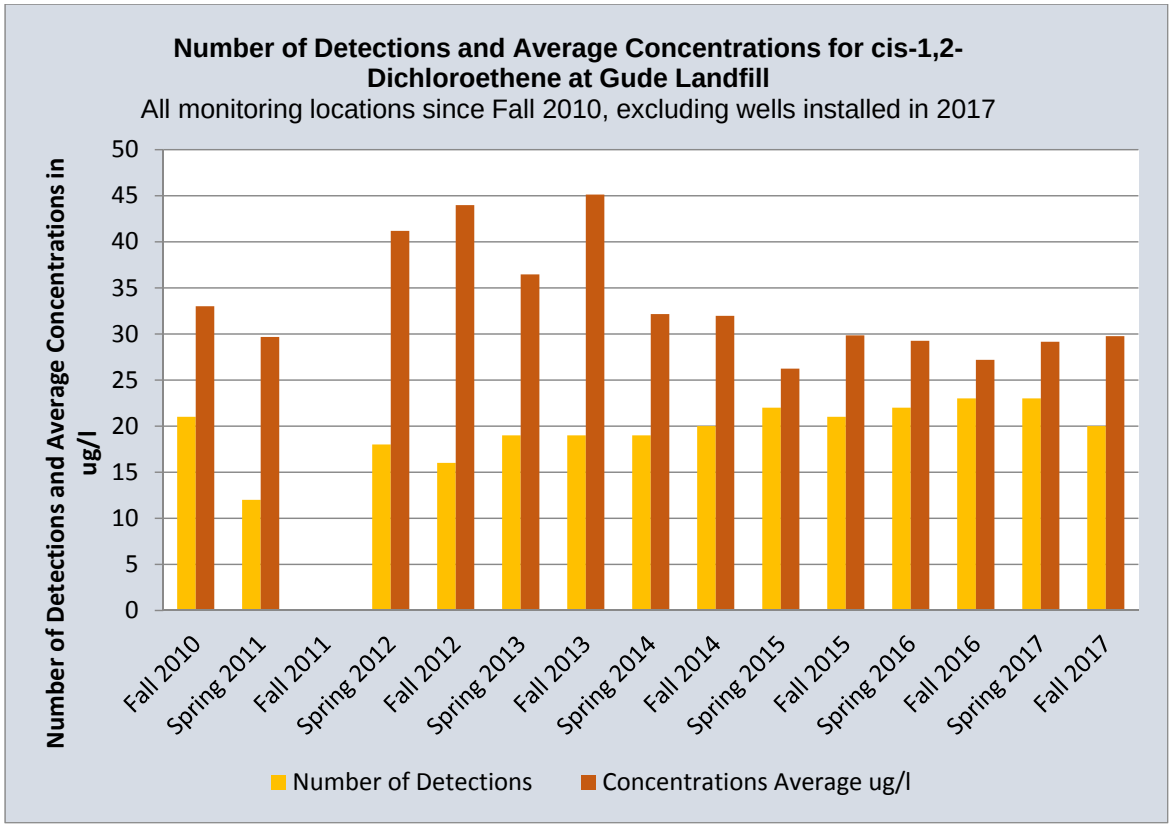


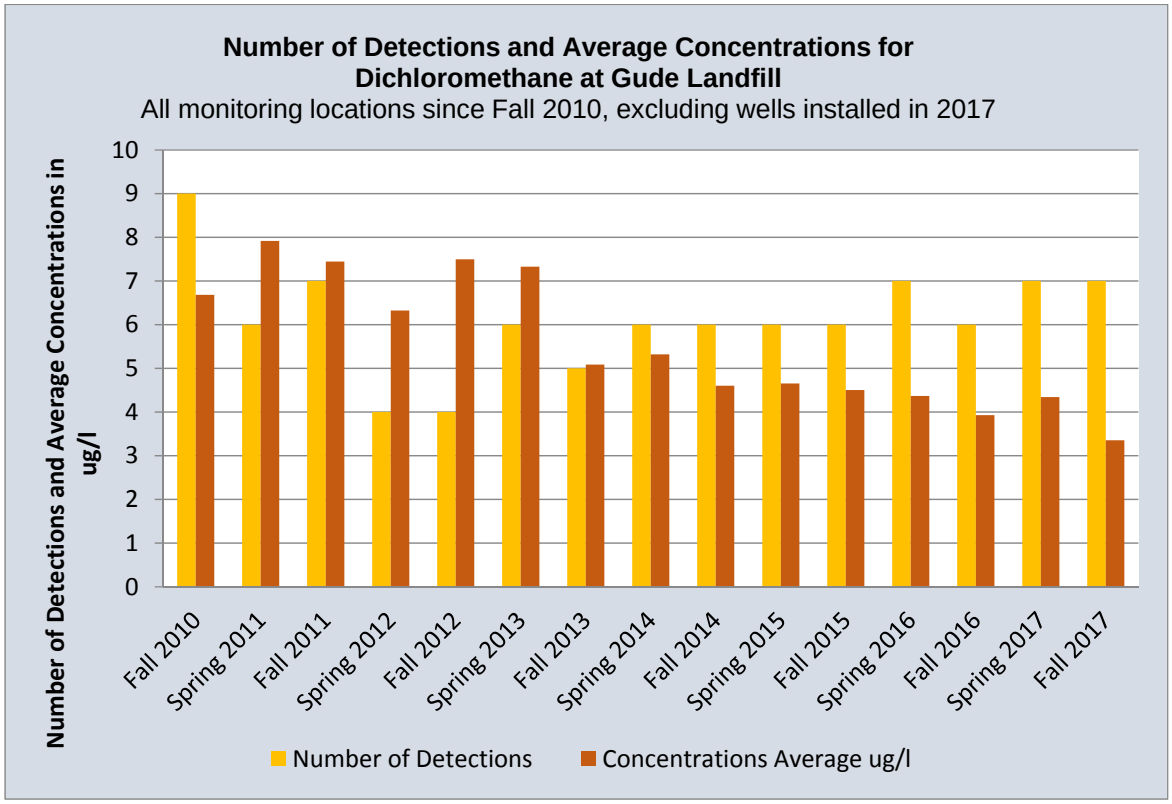

Number of Detections and Average Concentrations for 1,2-Dichloropropane at Gude Landfill
All monitoring locations since Fall 2010, excluding wells installed in 2017
Number of Detections and Average Concentrations in ug/l
0
2
4
6
8
10
12
14
Fall 2010
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Spring 2017
Fall 2017
Number of Detections
Concentrations Average ug/l

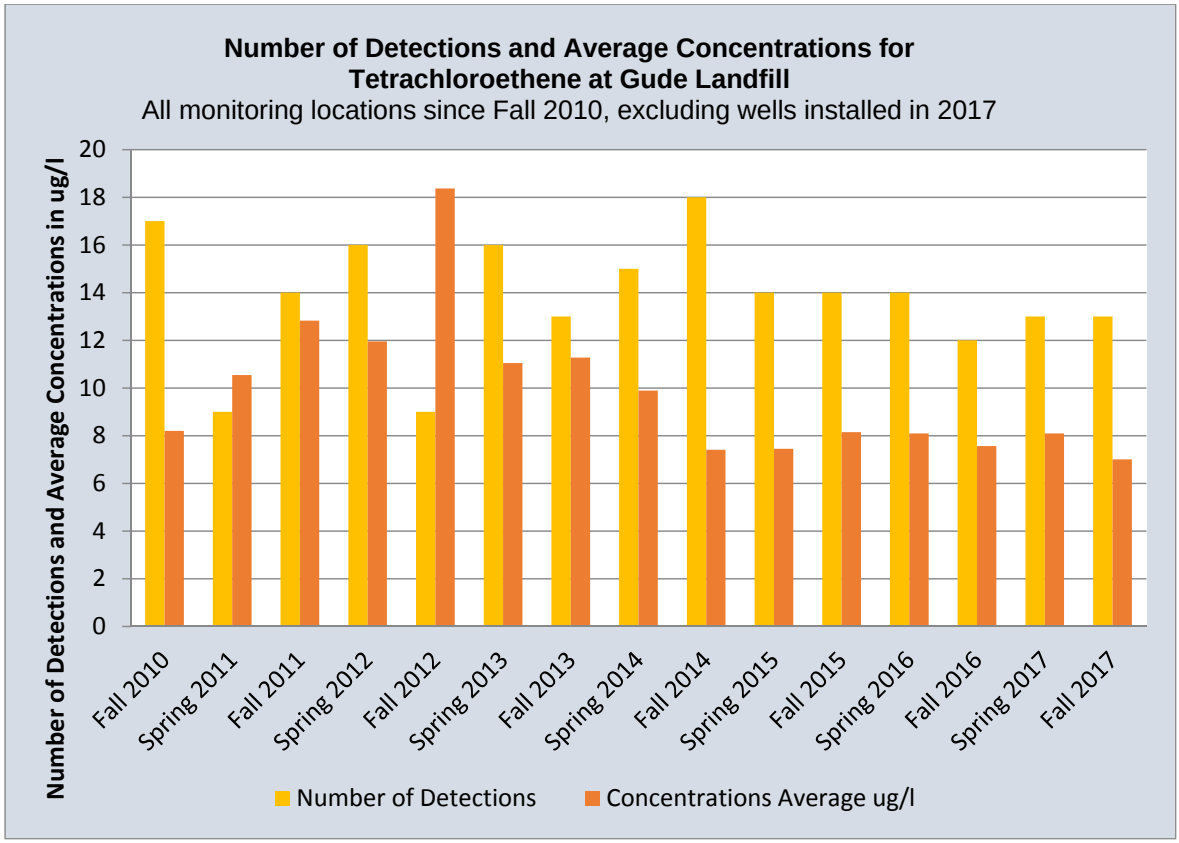

Number of Detections and Average Concentrations for 1,4-Dichlorobenzene at Gude Landfill
All monitoring locations since Fall 2010, excluding wells installed in 2017
Number of Detections and Average Concentrations in ug/l
0
2
4
6
8
10
12
14
16
18
20
Fall 2010
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Spring 2017
Fall 2017
Number of Detections
Concentrations Average ug/l

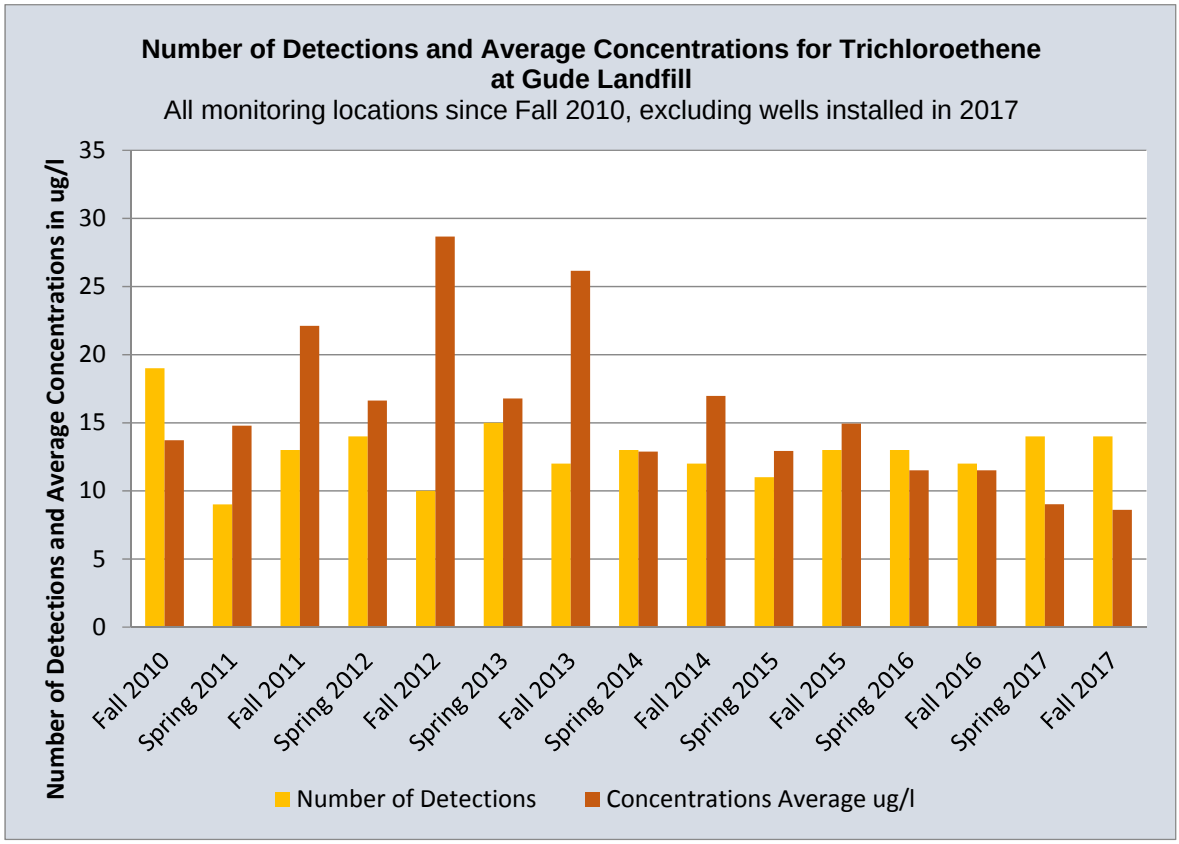

Number of Detections and Average Concentrations for Benzene at Gude Landfill
All monitoring locations since Fall 2010, excluding wells installed in 2017
Number of Detections and Average Concentrations in ug/l
0
2
4
6
8
10
12
14
16
Fall 2010
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Spring 2017
Fall 2017
Number of Detections
Concentrations Average ug/l

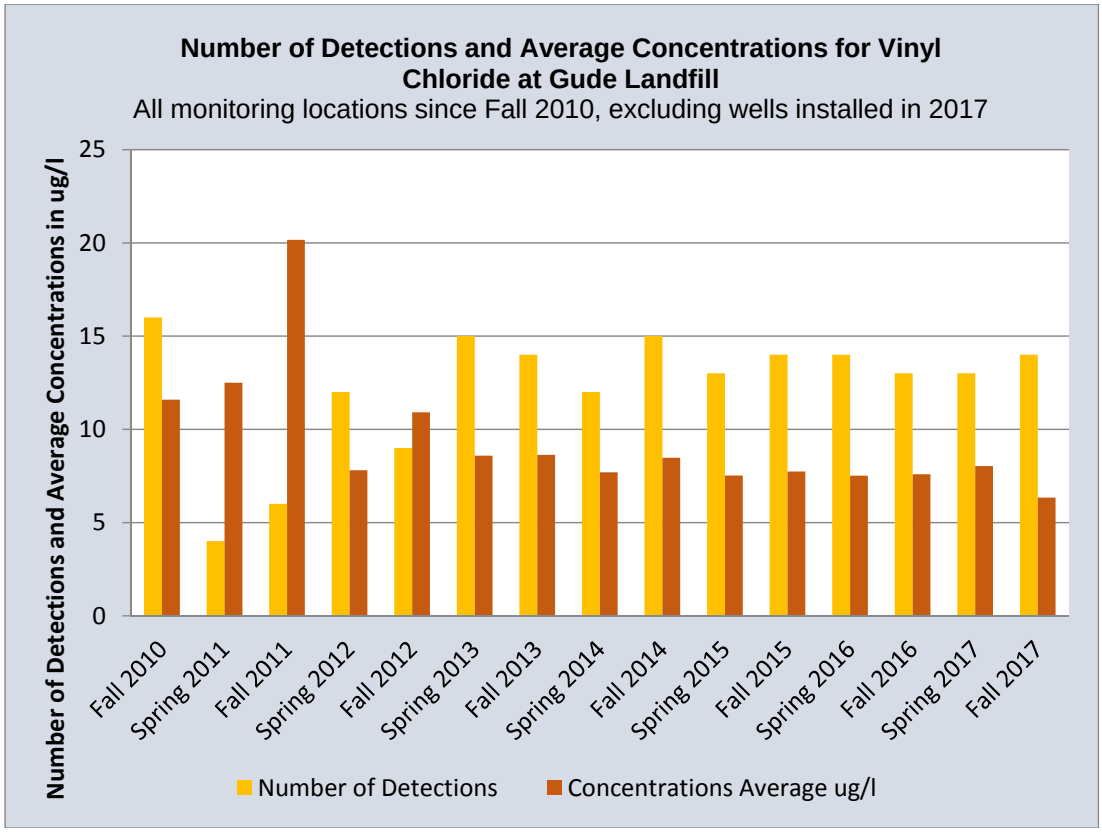

Number of Detections and Average Concentrations for Chlorobenzene at Gude Landfill
All monitoring locations since Fall 2010, excluding wells installed in 2017
Number of Detections and Average Concentrations in ug/l
0
2
4
6
8
10
12
14
16
18
20
Fall 2010
Spring 2011
Fall 2011
Spring 2012
Fall 2012
Spring 2013
Fall 2013
Spring 2014
Fall 2014
Spring 2015
Fall 2015
Spring 2016
Fall 2016
Spring 2017
Fall 2017
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 Fall 2010, excluding wells installed in 2017
Number of Detections and Average Concentrations in ug/l
50
45
40
35
30
25
20
15
10
5
0
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
Spring 2017
Fall 2017
Number of Detections
Concentrations Average ug/l


Number of Detections and Average Concentrations for Dichloromethane at Gude Landfill
All monitoring locations since Fall 2010, excluding wells installed in 2017
Number of Detections and Average Concentrations in ug/l
10
9
8
7
6
5
4
3
2
1
0
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
Spring 2017
Fall 2017
Number of Detections
Concentrations Average ug/l


Number of Detections and Average Concentrations for Tetrachloroethene at Gude Landfill
All monitoring locations since Fall 2010, excluding wells installed in 2017
Number of Detections and Average Concentrations in ug/l
0
2
4
6
8
10
12
14
16
18
20
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
Spring 2017
Fall 2017
Number of Detections
Concentrations Average ug/l


Number of Detections and Average Concentrations for Trichloroethene at Gude Landfill
All monitoring locations since Fall 2010, excluding wells installed in 2017
Number of Detections and Average Concentrations in ug/l
0
5
10
15
20
25
30
35
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
Spring 2017
Fall 2017
Number of Detections
Concentrations Average ug/l


Number of Detections and Average Concentrations for Vinyl Chloride at Gude Landfill
All monitoring locations since Fall 2010, excluding wells installed in 2017
Number of Detections and Average Concentrations in ug/l
25
20
15
10
5
0
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
Spring 2017
Fall 2017
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	MW1B	MW2A	MW2B	MW3A	MW3B	MW04
Gude Landfill - FALL 2017 Results	Alkalinity	72	93	52	293	270	237	144	275	200	139	197	205	126	241	330	120	242	296	1200	877	68	NS	42	13.8	65	54
	Ammonia	ND	ND	ND	1.21	2.7	0.38	ND	ND	ND	ND	ND	ND	ND	ND	0.566	ND	ND	2.25	23.7	18.9	ND	NS	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Arsenic	ND	ND	ND	0	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Barium	0.25	0.06	0.49	0.46	0.39	0.32	0.07	0.201	0.036	0.05	0.15	0.07	0.1	0.03	0.148	0.01	0.095	0.115	0.37	0.226	0.01	NS	0.01	0.007	0.02	0.03
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.01**	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Calcium	84	22.5	107	76.5	73.3	170	139	144	131	114	62.8	60.4	69	145	109	37.7	21.1	83.3	104	154	9.01	NS	8.24	3.79	19.4	38.8
	Chloride	397	20.7	401	182	178	497	551	352	209	282	55.5	87.5	183	445	358	77.4	16.5	219	464	305	3.04	NS	ND	ND	2.76	148
	Chromium	0	ND	ND	0	0	0	ND	ND	ND	ND	0	ND	0	ND	0.005	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Cobalt	0	ND	ND	0.05	0.05	ND	ND	0.005	ND	ND	0	0.02	0.01	ND	0.032	ND	ND	0.026	0.06	0.008	ND	NS	ND	ND	ND	ND
	COD	ND	ND	ND	13.9	12.1	34.4	29.8	48.2	13.8	17.8	ND	ND	ND	28	28.9	ND	ND	16.8	148	90.8	ND	NS	ND	ND	ND	ND
	Copper	ND	0.01	ND	ND	ND	0.03	0.04	0.011	0.006	0	ND	ND	ND	0.01	ND	ND	0.008	0.005	0.3	0.007	ND	NS	ND	ND	ND	ND
	Hardness	420	170	450	450	450	760	700	670	492	532	236	130	292	640	600	192	142	520	680	400	92	NS	100	40	72	116
	Iron	0.45	1.23	0.92	23.7	25.7	1.03	1.57	3.81	0.94	0.59	0.44	4.43	1.33	0.9	1.7	ND	18.5	3.74	0.74	9.55	0.26	NS	ND	ND	0.27	0.25
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Magnesium	52.9	8.71	65.6	46.9	44.7	91	96.6	59	39.5	63.5	13.9	25.9	36.4	80.6	75.7	22.5	21	61	89.9	126	4.91	NS	2.98	1.74	3.34	23.2
	Manganese	1.42	0.59	0.04	19.1	16.9	2.62	1.8	0.677	0.127	0.1	4.71	7.67	6.6	1.13	9.22	0.14	1.26	21.4	11.9	3.46	0.01	NS	0.03	0.007	0.02	0.09
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND	ND	ND	0	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Nickel	0.01	ND	0.01	0.01	0.01	0.01	0.02	0.013	ND	0	0.01	0.01	0.01	0.03	0.028	0.01	0.008	0.016	0.08	0.022	ND	NS	0	ND	ND	0
	Nitrate	2.57	ND	1.67	ND	ND	ND	ND	0.26	0.754	0.96	ND	ND	ND	ND	ND	0.64	ND	0.807	ND	ND	ND	NS	ND	ND	ND	0.66
	pH	5.72	7.11	5.74	5.86	5.98	6.04	5.65	6.12	6.62	5.95	6.57	6.28	6.1	5.73	5.97	5.75	6.39	6.39	6.78	6.54	6.25	6.01	5.57	5.66	6.94	6.03
	Potassium	4.18	3	5.27	5.22	7.07	6.49	5.23	4.89	3.33	2.47	2.35	2.76	3.2	4.7	5.36	2.42	2.05	14.6	55.3	44.6	1.12	NS	1.43	0.832	1.21	2.54
	Selenium	ND	ND	ND	0	0	0.02	0.02	0.008	0.005	0.01	ND	ND	0	ND	0.004	ND	ND	ND	0.01	0.008	ND	NS	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Sodium	122	9.39	46	36.8	49.3	70	97	120	22.4	29.8	23.2	33.2	22.1	94.4	108	22.8	88.1	80.8	460	245	8.55	NS	4.54	3.54	11.2	32.1
	Spec. Cond.	1543	194	1433	979	1124	1824	1837	1803	981.6	1255	483	662	766	1835	2E+05	504	590	1215	3443	2879	92.9	110	77	34.2	158	590
	Sulfate	20.7	5.33	18.5	11.8	23.7	14.6	10.5	99.4	32.8	48	8.79	4.26	ND	11.2	12	7.78	67.6	45.9	27.1	267	ND	NS	ND	ND	7.33	5.1
	TDS	983	150	929	601	621	1210	1210	1020	742	837	320	371	600	1160	909	308	377	780	1990	1660	74	NS	60	53	104	507
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Turbidity	0.70	0.00	0.00	0.60	5.00	0.00	1.50	29.60	15.70	0.90	0.10	1.60	0.60	6.3	0.60	0.00	49.00	21.50	0.40	13.50	0.50	1016	0.90	10.70	2.00	0.30
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
	Zinc	0.01	0.03	0.01	0.01	0.01	0.01	0.04	0.066	0.032	0	0	0.02	0	0.05	0.014	0	0.05	0.026	0.03	0.041	0.03	NS	0.01	0.015	0.03	ND

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

Table 3
Metals and Other Water Quality Parameters

Parameter	MW06	MW07	MW08	MW09	MW10	MW11A	MW11B	MW12	MW13A	MW13B	MW-16A	MW-16B	MW-19A	MW-19B	MW-21A	MW-21B	MW-22A	MW-22B	MW-23A	MW-23B	MW-24A	MW-24B	ST15	ST65	ST70	ST80	ST120
Alkalinity	243	384	128	45	80	30	64	35	27	210	235	167	60	106	302	177	295	328	49	27	125	262	83	NS	95	45	66
Ammonia	ND	1.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.4	0.63	ND	ND	ND	ND	0.32	ND	ND	NS	0.7	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND	0.01	**0.03**	ND	NS	ND	ND	ND
Barium	0.418	0.11	0.18	0.19	0.08	0.04	0.03	0.23	0.23	0.07	0.32	0.07	0.14	0.04	0.21	0.06	0.02	0.06	0	0.09	0.26	0.18	0	NS	0.1	0	0
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Cadmium	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Calcium	109	127	56.2	12.4	17.6	13.2	18.9	25.7	25.7	81.7	46.8	88.5	48.5	65.9	53.5	61.1	110	109	16.4	14.7	64.2	105	27	NS	39	20	28
Chloride	456	222	128	16.3	6.15	7.15	23.9	113	88.4	92.6	105	329	288	128	117	99.8	137	125	71.5	56.8	280	267	62	NS	90	40	80
Chromium	0.003	ND	0.03	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	0	ND	ND	0	ND	ND	NS	ND	ND	ND
Cobalt	0.597	0.013	0.04	0.01	ND	ND	ND	ND	0.01	ND	0.01	0.01	0.01	ND	0.02	ND	ND	ND	ND	ND	0.05	0.04	ND	NS	ND	ND	ND
COD	ND	40.8	ND	ND	ND	ND	ND	ND	ND	ND	31.8	30.7	ND	ND	14.8	11.6	ND	ND	ND	ND	24.3	42.7	11	NS	ND	ND	10
Copper	0.003	0.01	0.06	0.03	0.01	0.01	0.01	0.01	0.01	ND	0.01	0.01	0.01	ND	ND	0.01	ND	ND	ND	ND	ND	0.01	ND	NS	0	ND	ND
Hardness	1300	450	260	62	72	52	82	110	136	344	270	460	268	262	328	46	410	400	144	100	480	770	108	NS	166	100	230
Iron	0.723	6.31	22.5	22.8	1.24	0.74	1.98	0.98	3.96	0.42	12.2	2	1.72	0.47	0.56	5.55	4.69	2.13	0.61	0.98	22.3	44.8	1.5	NS	0.5	0.9	1
Lead	ND	ND	0.01	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Magnesium	79.3	64.7	32.2	14.3	7.3	4.76	9.61	10.7	18.7	28.3	55	76.1	35.7	22.9	40.1	21.6	30	26.5	18.6	12.6	56	77.6	10	NS	17	9.2	14
Manganese	61.2	3.4	1.16	0.59	0.04	0.02	0.04	0.05	0.35	0.04	8.83	13.1	1.37	0.04	13.8	4.03	0.74	0.84	0.11	0.07	6.31	3.49	0.5	NS	0.2	0.1	0.1
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	0	ND	ND	ND	0	ND	ND	ND	ND	ND	ND	0	ND	ND	ND	NS	ND	ND	ND
Nickel	0.065	0.007	0.04	0.03	ND	ND	ND	ND	0.01	0	0.01	0.02	0.01	ND	0.01	ND	ND	0.01	ND	ND	0.02	0.01	0	NS	0	ND	0
Nitrate	ND	0.317	6.82	1.07	ND	3.29	2.19	5.47	1.78	4.24	ND	1.54	2.03	1.28	1.07	ND	ND	ND	ND	3.3	ND	ND	ND	NS	1.2	1.1	1.1
pH	5.99	6.15	7.03	5.23	6.08	5.65	6.32	5.12	5.08	6.09	6.43	6.01	5.8	6.18	6.17	7.58	6.65	6.91	6.7	5.21	5.99	6.74	6.9	NS	7.4	7.4	7.6
Potassium	4.22	4.62	9.48	8.29	1.19	0.96	1.09	2.23	3.07	3.26	3.57	4.43	4.02	2	9.91	30.3	4.45	9.51	1.44	2.71	3.94	3.68	1.7	NS	3.4	2.7	2.4
Selenium	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	0	ND	ND	0.02	ND	ND	NS	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Sodium	123	55.1	72.2	3.9	8.97	5.03	9.32	44.6	13.5	16.9	125	50.3	100	19.6	67	46.8	57.9	73.2	13.7	18.7	35.9	29.2	19	NS	32	15	25
Spec. Cond.	1849	1417	733	113	162	118	190	439	377	674	791	1246	1090	552	956	515	1047	960	335	253	1130	1235	290	NS	450	223	401
Sulfate	57.4	19.2	84.6	ND	11.1	6.52	ND	19.3	ND	12.9	13	8.36	11.3	6.63	23.4	45.7	35.5	43.5	9.73	ND	ND	ND	4.9	NS	11	6.3	9.6
TDS	1140	779	528	94	117	91	121	265	246	456	463	825	685	458	508	418	595	615	222	195	720	698	199	NS	344	195	301
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Turbidity	3.50	8.70	410	269	26.70	34.50	89.40	5.80	14.8	0.00	4.30	4.70	0.00	3.90	2.30	38.9	23.5	344	0.8	39.2	2.8	10.7	0	NS	3.5	0.5	0
Vanadium	ND	ND	0.04	0.03	ND	ND	0.01	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Zinc	0.034	0.025	0.11	0.12	0.03	0.03	0.03	0.03	0.04	ND	0.05	0.05	0.04	0.02	0.03	0.03	0.02	0	0	0.03	0	0.02	0	NS	0	0	0

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	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	Sping 2017	Fall 2017
Monitoring Location OB01	Alkalinity	104	95	103	93	112	100	73	80	66	86	77	81	70	72	70	57	72
	Ammonia	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0028	0.0038	ND
	Barium	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	0.237	0.252
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	76.4	84
	Chloride	196	204	241	262	291	322	284	291	303	379	411	430	421	456	481	411	397
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0077	ND	0.0023
	Cobalt	0.009	0.0084	0.0101	0.0147	0.0289	0.0219	0.009	0.0111	0.007	0.012	0.0148	0.013	0.0073	0.0074	0.0071	0.0026	0.003
	COD	ND	ND	5.1	6.9	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	0.007	0.0096	0.0094	0.0063	0.0065	0.0119	0.0058	0.0148	0.006	0.0062	0.0087	0.0042	0.0052	0.0039	0.007	0.0082	ND
	Hardness	330	320	350	364	390	420	342	346	356	440	472	520	504	452	520	368	420
	Iron	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	0.426	0.445
	Lead	ND	ND	ND	ND	0.0054	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	36	40.3	38.9	45.3	46.3	48.58	38.6	45	44	52.1	53	61	54	56.3	61.9	45.2	52.9
	Manganese	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	1.25	1.42
	Mercury	ND	ND	ND	ND	ND	0.0004	ND	ND	ND	ND	ND	0.0002	ND	ND	ND	0.0004	ND
	Nickel	0.026	0.0264	0.0304	0.0307	0.0381	0.0406	0.0319	0.0324	0.026	0.0313	0.0387	0.04	0.025	0.0226	0.0331	0.014	0.011
	Nitrate	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	2.6	2.57
	pH	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	5.68	5.72
	Potassium	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	4	4.18
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0023	0.004	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0006	ND	ND	ND
	Sodium	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	94.7	122
	Spec. Cond.	855.9	920.7			980.9	1218	1060	1223	1052	1293	1379	1391	1454	1537	1618	1201	1543
	Sulfate	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	18.8	20.7
	TDS	776	912	1176	856	1116	876	856	980	840	758	940	960	870	ND	1080	769	983
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	928	ND	ND	ND
	Turbidity	0.186	0.18	0.98	1.96	NT	NT	NS	1.4	3.6	0	3.1	0	1.21	0	0.00	0.00	0.7
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0036	0.0047	ND
	Zinc	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	0.0073	0.007

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB02	Alkalinity	67	57	72	70	72	68	68	67	65	67	66	72	73	67	85	102	93
	Ammonia	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.296	0.344	0.126	0.531	0.0771	0.0702	0.427	0.05	0.052	0.0575	0.0636	0.12	0.13	0.0814	0.147	0.0687	0.0574
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	25.3	22.5
	Chloride	212	264	90	47.3	51.1	49.9	404	27.8	32.2	24.3	44.8	101	107	54.8	109	32.2	20.7
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0072	0.019	ND	ND	ND	ND
	Cobalt	0.0057	0.0071	ND	0.0587	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	ND	ND	ND	ND	ND	ND	ND	34.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	0.006	0.0103	0.0069	ND	ND	0.0063	ND	0.0106	ND	0.0086	ND	0.0044	ND	ND	ND	0.0055	0.0095
	Hardness	350	376	169	130	125	116	500	86	98	106	118	170	202	120	196	112	170
	Iron	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	1.3	1.23
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	9.9	8.71
	Manganese	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	0.573	0.593
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0082	0.011	ND	0.0168	ND	ND	0.0141	ND	ND	0.0056	ND	ND	0.018	ND	ND	ND	ND
	Nitrate	ND	ND	ND	ND	ND	ND	0.575	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	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	7	7.11
	Potassium	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	3.33	3
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	10.4	9.39
	Spec. Cond.	665	910.3			318.1	302.2	261.2	252.9	229.3	199	268	388.5	508.5	301.1	484.7	222.8	193.5
	Sulfate	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	5.25	5.33
	TDS	780	1008	388	336	1264	252	1124	152	174	178	166	286	320	ND	382	115	150
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	263	ND	ND	ND
	Turbidity	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	7.70	0
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	ND	0.0187	0.0053	0.0077	0.0064	0.0063	0.0086	ND	0.006	0.0162	0.0082	ND	ND	ND	0.0059	0.0054	0.0266

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB02A	Alkalinity	38	36	40	35	36	36	33	33	34	33	37	32	37	35	38	63	52
	Ammonia	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	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	0.477	0.488
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	77.5	76.4	87.1	82.9	96.3	94	24.7	90.3	112	88.9	91.2	80	110	102	103	111	107
	Chloride	280	286	310	302	350	334	36	335	419	359	383	299	431	391	405	407	401
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	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	ND	ND	ND	ND
	Copper	0.0054	0.0075	0.0077	0.0053	ND	0.0051	ND	0.0112	ND	ND	ND	0.0035	ND	ND	ND	ND	ND
	Hardness	390	353	420	391	463	414	112	426	520	444	498	432	580	508	552	202	450
	Iron	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	1.21	0.922
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	67.3	65.6
	Manganese	0.0381	0.0382	0.0449	0.0513	0.0465	0.0449	0.718	0.0418	0.055	0.0469	0.0503	0.031	0.043	0.0544	0.0519	0.0533	0.0438
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0122	0.0099	0.012	0.011	0.0114	0.0135	ND	0.0116	0.013	0.0148	0.0125	ND	ND	0.0111	0.012	0.0168	0.0111
	Nitrate	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	1.38	1.67
	pH	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	5.55	5.74
	Potassium	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	5.53	5.27
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	47.3	46
	Spec. Cond.	636.7	925.5			1263	1120	1386	1286	1327	1125	1249	851.1	1365	1230	686	1292	1433
	Sulfate	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	19.3	18.5
	TDS	1088	1072	1192	288	68	824	176	796	1072	944	826	644	932	ND	936	670	929
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	770	ND	ND	ND
	Turbidity	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	0.00	0
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.0052	ND
	Zinc	ND	0.0071	0.0081	0.0082	0.0078	0.0065	0.0061	0.007	0.009	0.0076	0.0097	0.013	ND	0.0047	0.005	0.0091	0.0052

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Metals and Other Water Quality Parameters - Long Term Summary

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB03	Alkalinity	265	321	242	267	216	187	241	221	233	212	227	213	243	210	248	250	293
	Ammonia	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	0.697	1.21
	Antimony	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	0.0031	0.0028	0.0026	0.0025	0.0065	0.0027
	Barium	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	0.312	0.463
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	176	76.5
	Chloride	134	193	155	220	163	222	169	192	157	201	194	202	183	201	189	525	182
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.035	0.0025	ND	0.0059	0.0033
	Cobalt	0.0643	0.0662	0.0659	0.0629	0.0554	0.0634	0.067	0.0531	0.057	0.0526	0.0522	0.056	0.061	0.0484	0.0544	ND	0.0544
	COD	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	29.1	13.9
	Copper	0.0063	0.0084	0.0124	0.0076	ND	0.0082	ND	0.0113	ND	ND	ND	0.0019	ND	ND	ND	0.0363	ND
	Hardness	690	700	400	3600	410	400	360	348	330	420	370	404	620	396	376	850	450
	Iron	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	0.9	23.7
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	91.5	46.9
	Manganese	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	3.13	19.1
	Mercury	ND	ND	ND	ND	ND	0.0003	ND	ND	5E-04	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0183	0.0167	0.0197	0.0176	0.0164	0.0215	0.0217	0.0174	0.019	0.0176	0.0165	ND	0.032	0.0126	0.0145	0.0177	0.0144
	Nitrate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	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	5.81	5.86
	Potassium	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	6.97	5.22
	Selenium	ND	ND	ND	ND	ND	0.0055	ND	ND	ND	ND	ND	ND	ND	0.0029	0.0027	0.0317	0.0025
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	69.4	36.8
	Spec. Cond.	902	1405			814.1	1140	960.6	1138	887.2	1025	980.6	824.4	952	970.2	978	986	978.8
	Sulfate	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	17.5	11.8
	TDS	564	984	676	784	804	888	604	572	568	602	540	584	516	0.0011	562	1070	601
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	0.0013	574	0.0011	ND	ND
	Turbidity	11	24.4	22.9	2.81	NT	NT	NS	0	0	1.18	0	0	9.8	0	0.00	0.30	0.6
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0045	ND
	Zinc	ND	0.0118	0.0165	0.0148	0.0141	0.0175	0.0148	0.0142	0.015	0.0137	0.0166	0.013	0.015	0.0093	0.0105	0.0071	0.0095

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Monitoring Location OB03A	Alkalinity	317	461	270	340	226	266	268	338	260	278	257	292	286	299	293	33	270
	Ammonia	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	0.31	2.7
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0035	0.0026	ND	0.0065	0.0055	0.0041
	Barium	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	0.384	0.385
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	72.9	73.3
	Chloride	194	164	176	239	193	245	185	229	177	217	213	180	182	200	186	539	178
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0049
	Cobalt	0.0698	0.0458	0.0684	ND	0.0563	0.057	0.0672	0.0441	0.056	0.047	0.0496	0.034	0.044	0.0331	0.0402	0.0561	0.0498
	COD	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	17.7	12.1
	Copper	0.0064	0.0084	0.008	0.0108	ND	0.0096	ND	0.011	ND	ND	ND	0.0013	ND	ND	0.0027	0.0125	ND
	Hardness	700	670	360	580	375	420	350	400	360	560	190	440	540	392	384	750	450
	Iron	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	28	25.7
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	44.1	44.7
	Manganese	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	16.6	16.9
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.02	0.0157	0.0194	ND	0.0158	0.0185	0.021	0.0142	0.018	0.0162	0.015	ND	ND	0.0107	0.011	0.0175	0.0129
	Nitrate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.49	0.559	ND	ND	ND	ND
	pH	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	5.93	5.98
	Potassium	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	8.34	7.07
	Selenium	0.0024	ND	ND	ND	ND	0.0059	ND	ND	ND	ND	ND	ND	ND	ND	0.0024	ND	0.0024
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	53.4	49.3
	Spec. Cond.	1023	1661			975.1	1379	1082	1517	998.1	1220	1117	1021	1112	1152	1184	1008	1124
	Sulfate	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	11.5	23.7
	TDS	780	1112	704	980	888	952	632	796	578	724	560	706	590	ND	650	454	621
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0019	ND	321	ND	ND	ND
	Turbidity	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	7.30	5
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.011	0.0087	0.0131	0.0147	0.0089	0.0142	0.0099	0.0064	0.012	0.0074	0.0129	0.0053	0.012	0.0064	0.0064	0.0114	0.0072

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB04	Alkalinity	221	242	255	238	242	261	248	244	249	248	265	250	270	249	245	295	237
	Ammonia	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	1.65	0.379
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	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	0.0038	0.0037
	Barium	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	0.478	0.315
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	154	160	159	154	157	173	157	151	164	175	169	180	170	170	165	77.2	170
	Chloride	412	193	424	433	416	473	448	449	455	453	462	503	482	496	492	187	497
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.0032
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0575	ND
	COD	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	16.6	34.4
	Copper	0.0344	0.0388	0.0418	0.0367	0.0314	0.0377	0.0353	0.0475	0.035	0.0382	0.0393	0.036	0.039	0.036	0.0321	0.0057	0.0278
	Hardness	670	610	680	717	705	714	712	730	740	742	762	764	760	780	760	640	760
	Iron	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	23.3	1.03
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	47.6	91
	Manganese	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	20.9	2.62
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0137	0.0124	0.0145	0.0132	0.0115	0.0178	0.0179	0.0204	0.014	0.0174	0.0149	ND	0.011	0.0136	0.0125	0.0179	0.0124
	Nitrate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	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	6.1	6.04
	Potassium	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	5.9	6.49
	Selenium	0.0167	0.0066	0.0219	0.0193	0.0144	0.032	0.0321	0.037	0.021	0.0303	0.0208	0.027	0.022	0.0195	0.0174	0.0049	0.0163
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	40.6	70
	Spec. Cond.	1673	1758			1503	1817	1828	2022	1737	1742	1840	1685	1881	1835	1857	1823	1824
	Sulfate	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	9.87	14.6
	TDS	1348	1772	1760	1428	1736	1632	1432	1600	1304	1256	1168	1112	1142	ND	1360	524	1210
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1150	ND	ND	ND
	Turbidity	1.07	0.24	0.632	0.421	NT	NT	NS	0	0	1.02	0	0.6	0	0	0.00	0.00	0
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	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	0.0133	0.006

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB04A	Alkalinity	125	142	135	133	127	129	123	129	127	133	144	1250	131	132	145	143	144
	Ammonia	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	0.307	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0036	ND	0.0061	0.0053	ND	**0.0105**	**0.0107**	**0.0105**	0.006	**0.0106**	0.0051	0.0082	0.0067	0.0046	0.0048	0.0064	ND
	Barium	0.0542	0.0555	0.0539	0.0579	0.0555	0.0614	0.0553	0.0622	0.061	0.0681	0.0681	0.059	0.061	0.0686	0.0654	0.065	0.0722
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	109	116	113	117	118	124	118	126	123	142	121	130	130	129	122	135	139
	Chloride	438	311	468	473	460	531	501	498	501	512	530	544	541	580	543	539	551
	Chromium	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	ND	ND	ND	0.0057	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	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	34	29.8
	Copper	0.0328	0.0321	0.0324	0.0283	0.0236	0.0295	0.0256	0.0364	0.028	0.0281	0.0291	0.03	0.028	0.028	0.0254	0.03	0.0357
	Hardness	570	550	600	592	602	622	598	604	616	640	684	694	680	690	700	720	700
	Iron	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	0.816	1.57
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	94.5	96.6
	Manganese	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	1.74	1.8
	Mercury	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	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	0.0253	0.0225
	Nitrate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	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	5.68	5.65
	Potassium	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	4.96	5.23
	Selenium	0.0174	0.0071	0.0243	0.0223	0.0161	0.0373	0.0391	0.0434	0.024	0.0358	0.0233	0.028	0.026	0.0226	0.0197	0.0339	0.0157
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	89.1	101	91.9	100	91.1	95	89	100	90.4	106	89.6	94	89	90.3	84.3	96.3	97
	Spec. Cond.	1943	1678			1438	1752	1785	1985	1697	1720	1818	1577	1837	1836	1862	1771	1837
	Sulfate	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	12	10.5
	TDS	1200	1764	1672	1356	1636	1508	1476	1596	1262	1242	1138	1088	1169	ND	1200	1030	1210
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1070	ND	ND	ND
	Turbidity	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	2.50	1.5
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0043	ND
	Zinc	0.024	0.0227	0.0214	0.021	0.0204	0.0227	0.0222	0.0228	0.023	0.0239	0.026	0.024	0.023	0.022	0.0186	0.0218	0.0446

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Metals and Other Water Quality Parameters - Long Term Summary

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB06	Alkalinity	150	170	220	145	156	175	161	178	188	203	182	197	220	231	244	296	275
	Ammonia	ND	ND	ND	0.389	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
	Arsenic	0.0032	ND	0.0067	ND	ND	ND	ND	ND	ND	ND	ND	0.0047	0.0059	0.0027	ND	ND	ND
	Barium	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	0.195	0.201
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	148	147	126	145	137.5	142	148	135	136	146	130	140	140	90.8	136	148	144
	Chloride	356	222	360	356	350	383	374	382	376	373	365	372	365	382	384	376	352
	Chromium	0.0021	0.021	**0.127**	0.0199	ND	0.0133	0.0063	ND	ND	0.0073	ND	ND	ND	0.0027	ND	ND	ND
	Cobalt	0.0059	0.0111	0.0326	0.0101	ND	0.0069	0.0066	ND	ND	0.0057	ND	ND	0.005	0.0046	ND	0.0053	0.0051
	COD	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	42.2	48.2
	Copper	0.0116	0.0327	0.207	0.0444	0.0068	0.0309	0.015	0.0158	0.009	0.0164	0.0106	0.0051	ND	0.005	0.0075	0.0138	0.0111
	Hardness	580	560	550	553	552	582	566	582	584	632	584	586	572	576	560	592	670
	Iron	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	1.87	3.81
	Lead	ND	0.0126	**0.0503**	**0.0474**	ND	0.0081	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	60.5	59
	Manganese	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	0.582	0.677
	Mercury	ND	**0.0029**	0.0015	**0.0085**	0.0009	0.0005	0.0004	ND	ND	0.0005	ND	ND	0.0002	ND	ND	ND	ND
	Nickel	0.0166	0.0349	0.131	0.0245	0.0112	0.0207	0.0184	0.0126	0.011	0.0151	0.0129	0.014	ND	0.0104	0.0112	0.0163	0.013
	Nitrate	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	0.288	0.26
	pH	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	6	6.12
	Potassium	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	4.39	4.89
	Selenium	0.0147	0.008	0.023	0.0201	0.0122	0.0121	0.0151	0.0169	0.012	0.0117	0.0134	0.014	0.017	0.0121	0.0107	0.0211	0.0085
	Silver	ND	0.0088	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0002	ND	ND	ND
	Sodium	83.3	92	70.4	80.3	81	94.3	88.7	92.2	87.3	105	91	100	110	125	108	124	120
	Spec. Cond.	1564	1571			1289	1600	1618	1247	1537	1567	1490	313.4	1618	1625	1670	1615	1803
	Sulfate	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	91.5	99.4
	TDS	1116	1388	1784	1192	960	1156	1224	1124	1150	982	1034	970	913	ND	1080	919	1020
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	979	ND	ND	ND
	Turbidity	21.7	533	3329	3800	NT	NT	NS	44.6	38.5	206	58.9	35.5	36.4	20.1	66.90	40.10	29.6
	Vanadium	ND	0.0204	0.133	0.0213	ND	0.0148	ND	ND	ND	0.0074	ND	ND	ND	ND	ND	0.005	ND
	Zinc	0.0321	0.116	0.372	0.0997	0.0213	0.0545	0.0385	0.021	0.021	0.0357	0.0283	0.019	0.022	0.0128	0.0162	0.0194	0.0655

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Monitoring Location OB07	Alkalinity	163	161	184	175	169	176	172	178	181	191	196	184	200	198	204	187	200
	Ammonia	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0021	0.0029	ND	ND	ND	ND
	Barium	0.025	0.0414	0.0333	0.0256	0.0257	0.0261	0.0265	0.0338	0.029	0.029	0.0325	0.038	0.024	0.0285	0.0288	0.0427	0.036
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	99.5	105	102	114	112.5	108	113	115	123	127	124	130	130	131	128	125	131
	Chloride	150	48.8	171	193	194	199	202	222	223	226	243	206	235	236	224	214	209
	Chromium	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
	COD	ND	13.6	ND	14	5.2	11.7	ND	11.2	ND	14.3	15.9	11.3	13.8	ND	12	12.9	13.8
	Copper	0.0062	0.0126	0.0132	ND	ND	0.0091	0.0056	0.0135	ND	ND	ND	0.0052	ND	0.0025	0.0028	ND	0.0059
	Hardness	331	350	360	407	409	412	410	434	452	494	508	450	488	464	476	440	492
	Iron	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	1.25	0.94
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0013	ND	ND	ND	ND	ND
	Magnesium	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	38.7	39.5
	Manganese	0.0317	0.281	0.221	0.0338	0.0369	0.113	0.0724	0.0827	0.042	0.0394	0.039	0.15	0.062	0.077	0.101	0.126	0.127
	Mercury	ND	ND	0.0003	0.0005	0.0003	0.0003	0.0005	0.0004	4E-04	0.0005	0.0005	0.0003	0.0004	0.0002	0.0002	ND	ND
	Nickel	0.0047	0.0057	ND	ND	ND	ND	ND	ND	0.006	ND	ND	0.0054	ND	0.002	0.0023	0.0059	ND
	Nitrate	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	0.732	0.754
	pH	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	6.59	6.62
	Potassium	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	3.22	3.33
	Selenium	0.0044	ND	0.0058	0.0071	0.0066	0.0051	0.0071	0.0087	0.006	0.0063	0.0084	0.0085	0.012	0.0074	0.0076	0.0131	0.0051
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	22	22.4
	Spec. Cond.	760	828.1			806.2	937.2	973.5	1115	992.5	1025	1057	874	1048	1018	1031	950	981.6
	Sulfate	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	29.1	32.8
	TDS	644	764	1068	800	984	708	828	666	724	624	824	636	625	ND	807	527	742
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	791	ND	ND	ND
	Turbidity	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	27.10	15.7
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	ND	0.0126	0.0112	ND	0.0058	0.0058	0.0062	0.0075	0.005	ND	0.0086	0.0087	ND	ND	0.0022	0.005	0.0324

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB07A	Alkalinity	124	92	115	112	115	122	119	112	120	118	114	119	120	70	77	153	139
	Ammonia	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0028	0.0036	ND	ND	0.0028	ND
	Barium	0.0431	0.0693	0.037	0.0401	0.0432	0.0405	0.0485	0.045	0.046	0.0458	0.0463	0.043	0.039	0.0401	0.041	0.0523	0.0535
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	109	114
	Chloride	235	74.5	205	216	246	244	265	255	268	260	240	254	272	136	132	298	282
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	ND	ND	ND	0.0028	ND
	Cobalt	ND	0.0059	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	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	20.3	17.8
	Copper	0.0058	0.0128	0.0078	ND	ND	0.0059	ND	0.0116	0.006	ND	ND	0.002	ND	ND	ND	0.0028	0.002
	Hardness	420	205	350	390	424	408	436	420	448	450	416	434	436	252	226	240	532
	Iron	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	0.631	0.59
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	60	63.5
	Manganese	0.0592	0.753	0.0954	0.07	0.0716	0.0676	0.0891	0.0753	0.07	0.0665	0.0762	0.094	0.054	0.153	0.202	0.0862	0.0971
	Mercury	0.001	0.0003	0.0005	0.0008	0.0006	0.0011	0.0012	0.0007	7E-04	0.0008	0.0007	0.001	0.0008	ND	ND	0.0004	0.0005
	Nickel	0.006	0.0099	ND	ND	ND	ND	0.0053	ND	0.007	ND	ND	0.009	ND	0.0054	0.0053	0.0072	0.0042
	Nitrate	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	0.9337	0.962
	pH	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	5.81	5.95
	Potassium	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	2.4	2.47
	Selenium	0.0083	ND	0.0064	0.0095	0.0094	0.0059	0.0084	0.0087	0.009	0.0069	0.0093	0.011	0.013	0.0045	0.0046	0.014	0.0082
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	28.9	29.8
	Spec. Cond.	706.7	565.4			860.9	994.7	1082	1157	1016	996.9	909	856.8	1014	515.1	546	1129	1255
	Sulfate	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	42.4	48
	TDS	784	492	1176	796	872	748	856	718	774	590	752	606	583	ND	428	624	837
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	422	ND	ND	ND
	Turbidity	0.317	6.85	1.55	0.579	NT	NT	NS	0	0.75	0.99	0	0	0	2.5	0.00	0.00	0.9
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0024	ND
	Zinc	ND	0.0136	0.0079	0.0052	ND	ND	0.0057	ND	0.007	ND	0.0083	ND	ND	0.0052	0.0052	0.0025	0.0023

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB08	Alkalinity	229	245	248	230	230	239	223	224	219	219	227	215	213	196	218	205	197
	Ammonia	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.387	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.137	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	0.135	0.145
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	61.9	62.8
	Chloride	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	52.2	55.5
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0023	0.0022
	Cobalt	0.0052	0.0064	0.0064	0.007	0.008	0.0079	0.0084	0.008	0.006	0.0065	0.0069	ND	ND	0.0041	0.0057	0.0054	0.004
	COD	ND	4.9	ND	ND	ND	9.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	0.0043	0.0073	0.006	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	ND
	Hardness	228	250	300	265	144	236	234	232	230	232	236	220	222	206	240	140	236
	Iron	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	0.429	0.435
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	14.2	13.9
	Manganese	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	5.15	4.71
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0083	0.0081	0.0083	0.0077	0.0085	0.0088	0.0107	0.0111	0.008	0.007	0.0089	0.0075	ND	0.0054	0.0084	0.0078	0.0054
	Nitrate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	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	6.47	6.57
	Potassium	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	2.62	2.35
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	23.5	23.2
	Spec. Cond.	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	478.5	482.5
	Sulfate	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	7.83	8.79
	TDS	284	340	384	280	344	348	352	270	392	322	322	352	209	ND	308	224	320
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	264	ND	ND	ND
	Turbidity	0.266	0.77	0.485	0.735	NT	NT	NS	0	0	1.08	2.1	0	0.1	0	0.00	0.00	0.1
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	ND	ND	ND	0.0077	0.0066	0.0061	0.0062	0.0057	0.006	0.0067	0.0106	0.0059	ND	ND	0.0021	0.0021	0.0024

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB08A	Alkalinity	228	233	226	220	218	221	216	219	214	218	219	221	221	210	226	206	205
	Ammonia	ND	0.299	ND	ND	ND	ND	ND	ND	ND	0.222	0.247	ND	0.435	0.233	0.255	0.243	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0029	0.0026	0.0026	0.003	0.003	ND
	Barium	0.0815	0.0919	0.0779	0.099	0.0689	0.0735	0.068	0.0674	0.065	0.0677	0.077	0.047	0.041	0.0697	0.0698	0.0571	0.0675
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	55.8	60.4
	Chloride	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	83.6	87.5
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0047	ND	0.002	0.0027	0.0031	ND
	Cobalt	0.0186	0.0135	0.0175	0.0146	0.0173	0.0171	0.0189	0.0189	0.016	0.0153	0.0149	0.017	0.019	0.0157	0.0192	0.02	0.0168
	COD	ND	39.2	5.3	10.2	ND	8.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper	0.0051	0.0067	0.0061	0.006	ND	0.008	ND	ND	ND	ND	ND	0.0017	ND	ND	0.002	0.005	ND
	Hardness	570	330	300	370	190	252	240	230	240	236	218	264	250	230	256	180	130
	Iron	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	4.23	4.43
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	24	25.9
	Manganese	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	7.88	7.67
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0095	0.0068	0.0079	0.0071	0.0075	0.0075	0.01	0.0097	0.007	0.0066	0.0074	0.011	ND	0.0056	0.0084	0.0081	0.0068
	Nitrate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	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	6.2	6.28
	Potassium	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	2.66	2.76
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0027	0.0032	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	32.2	33.2
	Spec. Cond.	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	583.1	662.1
	Sulfate	3.85	3.04	5.74	ND	ND	ND	ND	ND	4.39	5.07	ND	ND	ND	ND	ND	ND	4.26
	TDS	352	336	384	340	1240	364	364	288	388	316	306	326	291	ND	290	370	371
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	317	ND	ND	ND
	Turbidity	1.69	3.8	0.528	1.36	NT	NT	NS	0	0	1.39	0.9	1.5	0	0.3	0.00	0.00	1.6
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	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	0.0037	0.0213

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Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB10	Alkalinity	110	83	134	116	122	119	133	116	139	116	132	116	136	114	132	131	126
	Ammonia	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0023	ND	ND	0.0022	ND
	Barium	0.0468	0.049	0.0553	0.0531	0.0534	0.0569	0.0573	0.0562	0.076	0.0622	0.0699	0.047	0.064	0.0591	0.0769	0.102	0.1
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	62.6	69
	Chloride	82.4	53.3	83.6	89	94.1	100	121	120	136	144	159	147	185	179	187	183	183
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0023	0.003
	Cobalt	0.0029	ND	0.0059	ND	ND	0.0052	0.0081	0.0067	0.008	0.0062	0.0078	0.0053	0.0091	0.0055	0.009	0.0122	0.0093
	COD	ND	7.5	10.3	ND	ND	7.5	ND	ND	ND	ND	10.7	ND	12.2	ND	12	ND	ND
	Copper	0.006	0.0179	0.0057	ND	ND	ND	ND	0.0109	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hardness	160	161	230	230	226	210	244	234	278	256	292	276	332	294	368	344	292
	Iron	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	1.33	1.33
	Lead	ND	0.0085	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	34.9	36.4
	Manganese	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	7.72	6.6
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0079	0.0104	0.0079	0.0063	0.0068	0.0089	0.0115	0.0107	0.011	0.0083	0.0101	0.011	ND	0.0082	0.0111	0.0143	0.0124
	Nitrate	ND	ND	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	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	5.99	6.1
	Potassium	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	3.24	3.2
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.004	0.0041	0.0058	0.0036
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	21.9	22.1
	Spec. Cond.	413.6	423.9			446.8	544.8	623.9	654	636.8	596.2	663.6	589.7	787.5	671	765.7	717.8	766.2
	Sulfate	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	TDS	368	364	552	456	492	480	396	440	434	340	466	424	523	ND	579	371	600
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	399	ND	ND	ND
	Turbidity	2.09	21.1	1.16	0.443	NT	NT	NS	0	0	0	0.3	0	0	0	0.00	0.00	0.6
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	ND	0.0226	0.006	0.0057	0.007	0.0066	0.0071	0.0056	0.008	0.0067	0.0086	ND	ND	0.0021	0.0022	0.0037	0.004

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB11	Alkalinity	201	165	200	211	215	217	219	221	228	0.0483	283	202	218	214	228	240	241
	Ammonia	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	45.6	ND	0.002	0.0021	ND	ND	0.0062	ND
	Barium	0.0272	0.0515	0.0261	0.0301	0.0292	0.0295	0.0282	0.0299	0.029	147	0.0323	0.023	0.024	0.0254	0.0257	0.0266	0.031
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	**0.0088**	**0.0058**	**0.009**	**0.01**	**0.0101**	**0.0104**	**0.0104**	**0.011**	**0.01**	ND	**0.011**	**0.012**	**0.011**	**0.0112**	**0.0107**	**0.0128**	**0.0137**
	Calcium	126	108	133	134	132.3	132	133	132	135	ND	138	130	140	132	130	138	145
	Chloride	330	393	358	259	371	407	398	397	392	ND	417	394	426	438	424	436	445
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	206	ND	0.0051	0.0056	0.0048	ND	0.0084	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.92	ND	ND	ND	ND	ND	0.0021	ND
	COD	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	25.3	28
	Copper	0.0083	0.0072	0.0112	0.0078	0.0064	0.0089	0.0081	0.0153	0.008	25	0.0074	0.0036	ND	0.0031	0.004	0.0063	0.0071
	Hardness	550	510	600	563	581	596	592	576	606	0.257	606	650	650	650	72	700	640
	Iron	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	0.911	0.898
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	73.9	80.6
	Manganese	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	1.02	1.13
	Mercury	**0.0022**	0.0019	**0.0025**	0.0017	0.001	0.001	0.0012	0.0014	0.001	3.03	0.0014	0.0028	0.0019	0.0011	0.0008	0.0008	0.0013
	Nickel	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	0.0406	0.0314
	Nitrate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	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	5.68	5.73
	Potassium	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	4.58	4.7
	Selenium	0.0049	ND	0.0078	0.0061	0.0057	ND	0.011	0.0067	0.005	4.73	0.0068	0.0054	0.0082	0.0069	0.0059	0.0093	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	320	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	85.7	94.4
	Spec. Cond.	1339	1340			1302	1559	1601	1774	1539	132.6	1627	1352	1611	1538	1637	1599	1835
	Sulfate	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	12.7	11.2
	TDS	1208	1152	1416	1116	1036	1404	1212	1018	1122	0.0103	1074	920	983	ND	982	799	1160
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	960	ND	ND	ND
	Turbidity	1.16	3.65	5.75	0.733	NT	NT	NS	0	0	1.51	0.3	0	1.91	7.2	0.00	0.00	6.3
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0036	ND
	Zinc	0.0432	0.0309	0.0426	0.043	0.042	0.0453	0.0462	0.0442	0.041	0.0441	0.0418	0.044	0.042	0.0362	0.0324	0.0414	0.0526

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB11A	Alkalinity	270	282	280	292	285	279	288	298	302	295	49	285	333	316	351	107	330
	Ammonia	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	0.299	0.566
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0022	0.0035	0.0022	ND	0.0054	ND
	Barium	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	0.161	0.148
	Beryllium	ND	ND	ND	**0.0102**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.0025	**0.0101**	ND	**0.0059**	ND	ND	ND	ND	ND	ND	ND	0.0026	0.002	0.002	ND	ND	ND
	Calcium	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	121	109
	Chloride	310	262	290	211	297	300	312	282	327	266	329	325	425	401	387	428	358
	Chromium	ND	ND	ND	0.0321	ND	ND	ND	ND	ND	ND	ND	0.021	ND	0.0044	ND	0.008	0.0051
	Cobalt	0.036	0.0777	0.0337	0.144	0.025	0.025	0.0271	0.024	0.026	0.0235	0.0246	0.025	0.032	0.0271	0.0302	0.0388	0.0319
	COD	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	26	28.9
	Copper	0.0103	0.0209	0.0102	0.17	0.0057	0.0057	0.0065	0.0143	0.006	0.0058	0.0067	0.0048	ND	0.0037	0.0038	0.0146	ND
	Hardness	540	500	660	524	598	500	508	466	516	456	544	300	660	600	584	588	600
	Iron	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	2.37	1.7
	Lead	ND	0.0059	ND	**0.0723**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	83.9	75.7
	Manganese	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	10.6	9.22
	Mercury	ND	**0.0023**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0003	ND	ND	ND	ND	ND
	Nickel	0.0299	0.0306	0.0232	0.0701	0.0222	0.0192	0.0266	0.0203	0.024	0.0179	0.0225	0.04	0.026	0.024	0.0264	0.0387	0.0275
	Nitrate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	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	5.94	5.97
	Potassium	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	5.24	5.36
	Selenium	0.0048	ND	0.0062	0.0185	ND	ND	0.0071	ND	ND	ND	0.0054	ND	0.0094	0.0062	0.0055	0.0084	0.0045
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	107	97.5	101	38.5	99.8	99.4	95.1	99.5	102	83	99.7	95	120	106	111	115	108
	Spec. Cond.	1444	1363			1227	1405	1499	1552	1481	1274	1510	1276	1873	1580	1686	1736	151598
	Sulfate	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	11.1	12
	TDS	1192	1032	1068	908	304	1048	904	830	936	1016	854	908	969	ND	989	978	909
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	884	ND	ND	ND
	Turbidity	1.97	19.4	3.31	0.83	NT	NT	NS	0	0	4.13	0	0	0	1.7	0.00	0.00	0.6
	Vanadium	ND	ND	ND	0.0919	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026	ND
	Zinc	0.0249	0.025	0.0218	0.267	0.021	0.0211	0.0223	0.0206	0.019	0.0222	0.0189	0.022	0.019	0.0169	0.0141	0.0183	0.0144

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Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB12	Alkalinity	110	100	108	44	106	116	113	119	126	123	138	125	132	122	129	135	120
	Ammonia	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0186	0.0211	0.0153	0.0211	0.0173	0.0174	0.018	0.0194	0.018	0.0206	0.0215	0.014	0.014	0.0152	0.0149	0.0154	0.0142
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	37.2	37.7
	Chloride	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	87.2	77.4
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0022	ND	0.0042	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	ND	12.1	7.4	6.9	ND	8.1	ND	21	ND	ND	ND	ND	10.8	ND	ND	ND	ND
	Copper	0.0061	0.0062	0.0068	ND	ND	0.0051	ND	0.0102	ND	ND	ND	ND	ND	ND	ND	0.0033	ND
	Hardness	165	189	162	182	153	194	160	178	178	200	208	202	182	188	218	224	192
	Iron	0.368	ND	0.228	ND	ND	ND	ND	0.2	ND	0.208	0.234	ND	ND	0.22	0.216	ND	ND
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	23.1	22.5
	Manganese	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	0.126	0.136
	Mercury	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0089	0.0101	0.0102	0.0084	0.0065	0.0091	0.0086	0.0079	0.007	0.0076	0.0092	0.0088	ND	0.0073	0.0069	0.0086	0.006
	Nitrate	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	0.541	0.636
	pH	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	5.54	5.75
	Potassium	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	2.31	2.42
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0022	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	24.2	22.8
	Spec. Cond.	481.7	511.8			421.1	497.1	417.9	545.7	436.3	469.9	481.6	444.7	484	471.2	501	471.2	503.5
	Sulfate	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	12.3	7.78
	TDS	308	400	408	120	296	340	312	236	364	308	292	338	229	ND	294	224	308
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	316	ND	ND	ND
	Turbidity	2.49	5.15	0.328	0.167	NT	NT	NS	0	1.26	1.36	0.9	0	0.23	0	0.00	0.00	0
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	ND	0.0134	0.0077	0.0077	0.0063	0.0053	0.0082	0.0051	0.006	0.0084	0.0096	ND	ND	ND	ND	0.0026	0.0032

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Monitoring Location OB15	Alkalinity	242	93	230	74	228	51	226	33	151	29	91	33	88	36	151	270	242
	Ammonia	0.646	0.228	0.29	ND	0.307	ND	0.274	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0069	ND	ND	ND	ND	ND	0.007	ND	ND	ND	ND	ND	0.0011	ND	ND	ND	ND
	Barium	0.119	0.0902	0.0785	0.0857	0.0919	0.0722	0.0923	0.0709	0.062	0.0635	0.0944	0.051	0.063	0.0656	0.0704	0.0944	0.0948
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0013	ND	ND	ND	ND
	Cadmium	0.0042	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	22.6	21.1
	Chloride	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	17.9	16.5
	Chromium	0.019	ND	ND	0.0053	ND	ND	0.0114	ND	ND	ND	0.0096	ND	ND	ND	ND	0.0034	ND
	Cobalt	0.0273	0.0099	ND	0.0072	0.0062	ND	0.0165	ND	0.012	ND	0.0174	ND	0.0092	ND	0.0104	0.0049	ND
	COD	49.3	11.1	11.2	ND	27.3	ND	17.8	ND	ND	ND	11.4	ND	ND	ND	ND	ND	ND
	Copper	0.0475	0.0103	0.0083	0.0119	0.0094	0.0066	0.0408	0.01	0.006	0.0069	0.0281	0.0018	ND	ND	0.0056	0.0194	0.008
	Hardness	600	270	165	114	156	140	120	94	120	96	102	112	320	92	140	340	142
	Iron	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	9.96	18.5
	Lead	**0.017**	ND	ND	ND	ND	ND	0.0079	ND	ND	ND	0.0082	ND	0.0015	ND	ND	ND	ND
	Magnesium	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	25	21
	Manganese	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	1.74	1.26
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	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	0.018	0.0076
	Nitrate	ND	ND	0.008	ND	ND	ND	ND	0.292	ND	0.678	ND	1.78	ND	5.185	ND	ND	ND
	pH	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	6.28	6.39
	Potassium	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	2.21	2.05
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	92.4	88.1
	Spec. Cond.	576.4	368.7			535.4	323.1	521.8	329	NM	236.8	248.6	202.3	324.7	253.7	323.4	633.5	590
	Sulfate	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	68.1	67.6
	TDS	328	252	324	420	528	272	308	184	244	164	198	192	133	ND	219	315	377
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	168	ND	ND	ND
	Turbidity	125	53.8	25.4	96.8	NT	NT	NS	46.8	NM	33	48.1	22.1	31.6	22.9	32.30	6.00	49
	Vanadium	0.0052	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.698	0.0329	0.0212	0.0544	0.0668	0.0966	0.397	0.136	0.052	0.0723	0.183	0.034	0.083	0.0434	0.0866	0.0439	0.0499

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB25	Alkalinity	423	416	472	282	267	249	374	268	387	194	287	316	323	307	330	335	296
	Ammonia	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	1.15	2.25
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0212**	**ND**	ND	ND	ND	ND	ND
	Arsenic	0.0037	**0.012**	ND	ND	ND	ND	ND	ND	ND	ND	**0.0263**	**ND**	ND	ND	ND	ND	ND
	Barium	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	0.123	0.115
	Beryllium	**0.0137**	**0.0057**	ND	ND	ND	ND	0.0062	ND	ND	ND	**0.116**	**ND**	ND	ND	ND	ND	ND
	Cadmium	**0.0174**	**0.0072**	ND	ND	ND	ND	ND	ND	ND	ND	**0.115**	**ND**	ND	ND	ND	ND	ND
	Calcium	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	81.2	83.3
	Chloride	156	183	173	62.3	86.6	73.5	158	59.5	175	34.8	80.2	147	168	195	191	211	219
	Chromium	**0.105**	**0.141**	0.0193	ND	ND	0.0297	0.0174	0.0081	0.012	0.006	**0.305**	**0.0082**	ND	0.0071	ND	ND	ND
	Cobalt	0.418	0.272	0.0532	0.0244	0.0285	0.0393	0.122	0.0067	0.037	ND	0.336	0.009	0.009	0.0501	0.0339	0.0339	0.026
	COD	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	16.9	16.8
	Copper	0.364	0.188	0.0302	0.0062	0.0168	0.0374	0.143	0.0194	0.015	0.008	0.337	0.0042	ND	0.0122	0.0037	0.0242	0.0053
	Hardness	740	520	750	450	292	356	500	316	490	238	354	440	460	428	292	584	520
	Iron	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	2.88	3.74
	Lead	**0.148**	**0.0358**	ND	ND	0.0137	0.0077	0.0269	ND	ND	ND	**0.122**	**ND**	ND	ND	ND	ND	ND
	Magnesium	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	58.6	61
	Manganese	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	22.4	21.4
	Mercury	0.0003	ND	ND	0.0014	ND	0.0013	0.0005	ND	2E-04	ND	0.0002	ND	ND	ND	ND	ND	ND
	Nickel	0.226	0.281	0.0506	0.0183	0.0128	0.0467	0.062	0.0129	0.026	0.0089	0.4	0.022	0.015	0.0334	0.0167	0.0213	0.0156
	Nitrate	0.6782	2.31	ND	1.33	ND	ND	ND	0.606	ND	2.13	0.756	2.22	1.93	0.731	ND	1.71	0.807
	pH	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	6.51	6.39
	Potassium	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	15	14.6
	Selenium	0.0364	0.0172	0.0059	ND	ND	0.0052	0.0088	ND	ND	ND	0.0411	ND	ND	0.0054	0.0027	0.0061	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0991	ND	ND	ND	ND	ND	ND
	Sodium	84	76.6	88.9	100	54.3	43.9	69	39	83.5	20.4	38.4	66	70	77.9	69.8	80	80.8
	Spec. Cond.	1301	1340			NT	627.7	931.1	394.5	807.1	491.2	544	959.8	356.3	1075	1178	1143	1215
	Sulfate	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	44.3	45.9
	TDS	888	916	916	532	252	568	756	454	838	324	516	666	593	ND	681	701	780
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0778	ND	ND	694	ND	ND	ND
	Turbidity	10100	3870	357	15050	NT	NT	NS	51	153	65	37.6	14.4	14	45.7	22.70	48.10	21.5
	Vanadium	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	ND	ND
	Zinc	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	0.0168	0.0261

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB102	Alkalinity	1140	960	1100	1008	1000	1056	1060	1110	1080	980	1000	1040	1100	1160	2180	1340	1200
	Ammonia	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	16.7	23.7
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.0065	ND	0.0068	0.0061	0.0058	ND	ND	**0.0112**	0.005	ND	0.005	0.0083	**0.012**	ND	0.0046	0.006	ND
	Barium	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	0.378	0.374
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0007	ND	ND	ND	ND	ND
	Calcium	116	113	114	124	119.7	115	120	118	116	116	109	120	120	113	100	118	104
	Chloride	560	128	577	578	564	602	588	558	543	519	520	563	551	560	528	519	464
	Chromium	0.0105	0.0102	ND	ND	ND	ND	0.0062	0.014	ND	ND	ND	ND	ND	ND	0.0026	ND	ND
	Cobalt	0.0925	0.089	0.0842	0.0764	0.0724	0.0734	0.0729	0.0852	0.07	0.0695	0.0686	0.074	0.073	0.0744	0.0677	0.0708	0.0631
	COD	262	250	252	235	237	227	242	235	126	176	147	87	120	210	146	229	148
	Copper	0.136	0.0793	0.0908	0.0483	0.0449	0.0505	0.0485	0.071	0.071	0.0616	0.05	0.041	0.038	0.0448	0.0428	0.167	0.303
	Hardness	810	158	900	775	701	640	700	686	696	710	684	724	700	660	620	620	680
	Iron	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	1.2	0.744
	Lead	0.0043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	98.1	89.9
	Manganese	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	15.7	11.9
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.118	0.0966	0.101	0.092	0.0909	0.0925	0.0962	0.113	0.091	0.0903	0.0884	0.1	0.091	0.101	0.0903	0.102	0.0848
	Nitrate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	pH	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	6.74	6.78
	Potassium	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	52.6	55.3
	Selenium	0.0256	0.0134	0.0256	0.0237	0.0224	0.017	0.0176	0.0411	0.019	0.0162	0.0197	0.021	0.032	0.0165	0.0159	0.0114	0.0105
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	613	549	500	561	550	532	586	558	483	523	504	490	510	562	483	547	460
	Spec. Cond.	3522	3493			3010	3558	3612	3298	3303	3270	3129	1902	3390	3339	3436	3128	3443
	Sulfate	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	43.5	27.1
	TDS	2120	2172	2252	2308	2244	2268	2236	2146	2158	2122	2098	2066	2099	ND	2100	1830	1990
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2220	ND	ND	ND
	Turbidity	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	6.30	0.4
	Vanadium	0.0104	0.0124	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	0.0464	0.0402	0.0224	0.0135	0.0127	0.013	0.0129	0.0206	0.02	0.0231	0.0194	0.011	0.011	0.0119	0.0074	0.0118	0.0329

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Metals and Other Water Quality Parameters - Long Term Summary

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location OB105	Alkalinity	810	1710	600	728	494	51	522	770	50	774	645	1250	1100	1040	870	1420	877
	Ammonia	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	43.3	18.9
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	**0.012**	0.005	**0.0109**	ND	ND	**0.0147**	**0.009**	0.0094	0.006	ND	ND	0.007	0.0061	ND	0.0035	ND	ND
	Barium	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	0.452	0.226
	Beryllium	0.0026	ND	ND	ND	ND	**0.0112**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.0047	ND	ND	ND	ND	**0.0109**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	156	124	165	92.2	170	160	167	168	169	147	166	140	150	180	136	143	154
	Chloride	328	265	334	219	309	356	337	334	318	307	336	339	320	340	308	346	305
	Chromium	0.0717	0.0075	0.0808	0.0106	0.0184	**0.166**	**0.0236**	0.0434	0.024	0.0213	0.0574	0.0087	ND	ND	0.0065	ND	ND
	Cobalt	0.101	0.0129	0.196	0.0202	0.0345	0.2	0.0316	0.054	0.031	0.0214	0.0436	0.019	0.011	0.0129	0.0105	0.0088	0.0079
	COD	173	258	207	92.4	83.4	140	61.5	93.4	56.2	102	75.3	135	121	122	112	148	90.8
	Copper	0.112	0.0218	0.173	0.0277	0.0237	0.293	0.0417	0.0906	0.042	0.0321	0.0958	0.021	ND	0.015	0.0159	0.0102	0.0074
	Hardness	900	870	950	576	866	960	908	924	940	900	924	424	860	890	660	550	400
	Iron	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	19.6	9.55
	Lead	**0.0268**	ND	**0.0332**	ND	0.015	**0.0726**	**0.0155**	**0.0164**	0.01	0.0075	**0.028**	**0.0037**	ND	ND	0.0035	ND	ND
	Magnesium	129	152	132	96.5	132	168	116	139	127	128	137	150	130	143	115	144	126
	Manganese	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	2.74	3.46
	Mercury	**0.0038**	ND	**0.003**	0.0003	0.001	**0.0065**	**0.0017**	0.0008	1E-03	0.0006	**0.0044**	**0.0003**	ND	ND	ND	ND	ND
	Nickel	0.174	0.0164	0.228	0.0258	0.053	0.283	0.0691	0.0994	0.073	0.0508	0.0915	0.0037	0.01	0.0211	0.0252	0.0157	0.0222
	Nitrate	ND	ND	ND	0.99	ND	ND	ND	ND	ND	ND	ND	ND	0.269	ND	ND	ND	ND
	pH	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	6.96	6.54
	Potassium	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	86.3	44.6
	Selenium	0.0193	0.0091	0.0214	0.0102	0.0098	0.0198	0.0225	0.0276	0.016	0.0169	0.0144	0.013	0.016	0.0111	0.0096	0.0115	0.0079
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	286	468	174	202	183.57	226	167	279	184	224		320	300	304	233	346	245
	Spec. Cond.	3384	3886			1963	3025	2414	2960	2224	2477	2473	2920	2099	2888	2561	3147	2879
	Sulfate	346	105	309	139	314	312	289	240	299	267	287	137	190	189	208	134	267
	TDS	1736	2400	1876	1320	1872	1776	1628	1784	1606	1600	1608	1792	1747	ND	1620	1960	1660
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	65	ND	ND	ND	1770	ND	ND	ND
	Turbidity	1215	338	3430	240	NT	NT	NS	1721	728	ND	1070	258.3	39.8	314.5	143.00	44.40	13.5
	Vanadium	0.0789	0.0096	0.136	0.0194	0.0331	0.363	0.0492	0.0811	0.036	ND	0.0896	0.016	ND	ND	0.0098	ND	ND
	Zinc	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	0.022	0.0409

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Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW1B	Alkalinity			48	49	49	58	52	49	49	47	43	45	46	44	53	47	68
	Ammonia			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
	Arsenic			ND	ND	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	0.009	0.007	0.0085	ND	ND	ND	ND	0.0073	0.0057
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	9.17	9.01
	Chloride			ND	ND	ND	2.75	3.33	3.24	3.27	3.96	2.6	3.66	ND	ND	2.71	2.82	3.04
	Chromium			0.0055	ND	0.005	0.0085	0.233	0.0052	0.007	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt			ND	ND	ND	ND	0.0205	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD			ND	6.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper			0.0086	ND	0.008	0.0104	0.0802	0.0159	0.006	ND	0.0053	0.0025	ND	ND	ND	ND	ND
	Hardness			30	36	33	60	80	36	40	50	42	40	42	32	68	42	92
	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	ND	0.262
	Lead			ND	ND	0.0055	ND	0.0117	ND	ND	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	4.95	4.91
	Manganese			0.038	0.0495	0.0441	0.0541	0.516	0.0436	0.019	0.0186	0.0279	0.022	0.0081	ND	0.0058	0.0088	0.009
	Mercury			ND	ND	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	ND	ND
	Nitrate			ND	ND	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	6.02	6.25
	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	1.15	1.12
	Selenium			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
	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	8.53	8.55
	Spec. Cond.					76.3	97.9	96.9	113.1	95.5	86	78.3	70.9	80.3	44	89	88.9	92.9
	Sulfate			ND	ND	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	ND	74
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	172	ND	ND	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	8.60	0.50
	Vanadium			ND	ND	ND	ND	0.022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc			0.0102	0.0069	0.0145	0.0179	0.109	0.012	0.007	0.0063	0.0143	0.0068	ND	ND	ND	ND	0.0307

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW2A	Alkalinity			30	40	35	46	54	NS	56	49	28	30	34	39	51	65	NS
	Ammonia			ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
	Antimony			ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
	Arsenic			ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	0.0014	ND	ND	ND	NS
	Barium			0.0155	0.0299	0.0206	0.0209	0.0181	NS	0.017	0.0247	0.142	0.012	0.027	0.0112	0.0098	0.0231	NS
	Beryllium			ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
	Cadmium			ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
	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	9.17	NS
	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	4.31	NS
	Chromium			0.0084	0.0085	ND	0.0404	0.022	NS	ND	0.0184	0.0355	ND	**0.27**	ND	ND	0.0092	NS
	Cobalt			ND	ND	ND	0.014	ND	NS	0.005	ND	0.0174	ND	0.016	ND	ND	ND	NS
	COD			ND	7.5	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
	Copper			0.008	0.0118	0.0069	0.028	0.0163	NS	0.011	0.0543	0.0411	ND	0.037	ND	ND	0.0124	NS
	Hardness			19	25	22	32	32	NS	48	46	30	34	130	100	40	40	NS
	Iron			1.38	3.14	0.68	1.27	0.725	NS	1.46	2.2	17.3	0.059	6.2	ND	ND	1.61	NS
	Lead			ND	0.0055	ND	ND	ND	NS	ND	ND	**0.0221**	ND	0.0053	ND	ND	ND	NS
	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	4.21	NS
	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	0.247	NS
	Mercury			ND	ND	ND	0.0006	0.0008	NS	3E-04	0.001	0.0007	ND	0.0004	ND	ND	ND	NS
	Nickel			0.0102	0.0092	0.0055	0.032	0.0301	NS	0.028	0.0165	0.0244	ND	0.22	0.0021	0.0047	0.0245	NS
	Nitrate			ND	ND	ND	ND	ND	NS	ND	ND	0.2	ND	ND	ND	ND	ND	NS
	pH					5.14	6.08	5.96	NS	5.31	NT	6.56	5.72	5.17	5.43	5.44	5.65	6.01
	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	1.94	NS
	Selenium			ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
	Silver			ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	0.0023	ND	ND	ND	NS
	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	7.01	NS
	Spec. Cond.					73.1	118.1	89.6	NS	104.3	NT	55.7	54.2	62.5	86.4	71.8	84.3	109.8
	Sulfate			ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
	TDS			465	112	108	84	100	NS	4	70	84	72	ND	ND	65	120	NS
	Thallium			ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	215	ND	ND	NS
	Turbidity			58.9	117.6	NT	NT	NS	NS	11.3	NT		2.7	65.5	0.9	0.00	4.60	1016
	Vanadium			ND	ND	ND	ND	ND	NS	ND	ND	0.0192	ND	0.0052	ND	ND	ND	NS
	Zinc			0.0114	0.0229	0.0187	0.0369	0.0247	NS	0.032	NT	0.0856	ND	0.036	0.0045	0.0071	0.0368	NS

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Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW2B	Alkalinity			29	37	33	40	36	41	34	37	23	31	28	42	38	57	42
	Ammonia			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
	Arsenic			ND	ND	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	0.0086	0.0076
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	8.39	8.24
	Chloride			ND	ND	ND	ND	2.55	ND	ND	2.58	4.06	3.18	ND	ND	ND	2.66	ND
	Chromium			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
	COD			ND	ND	ND	ND	ND	12.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper			0.0054	ND	ND	0.0061	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0023	ND
	Hardness			18	24	35	30	34	34	30	56	28	34	30	62	42	40	100
	Iron			ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017	0.064	ND	ND	ND	ND
	Lead			ND	ND	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	2.9	2.98
	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	0.0609	0.0284
	Mercury			ND	ND	ND	ND	0.0006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel			ND	ND	ND	0.0052	0.0062	ND	ND	ND	ND	ND	ND	ND	ND	0.0049	0.0028
	Nitrate			ND	ND	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	5.19	5.57
	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	1.5	1.43
	Selenium			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
	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	4.59	4.54
	Spec. Cond.					54.9	76	78.6	94.8	74	78.2	55.1	29.4	64.1	84	66.7	72.1	77
	Sulfate			ND	ND	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	49	60
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	186	ND	ND	ND
	Turbidity			2.43	1.29	NT	NT	NS	0.57	0	0.9	0.7	0.4	0.69	0	4.60	1.10	0.90
	Vanadium			ND	ND	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	0.01	0.0072	0.0113	ND	ND	0.0037	0.0038	0.0143	0.0105

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Metals and Other Water Quality Parameters - Long Term Summary

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW3A	Alkalinity			40	24	21	24	21	17.2	16	17	13.5	17	18	15.2	26	13.6	13.8
	Ammonia			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
	Arsenic			ND	ND	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	0.033	0.0367	0.058	ND	0.01	ND	0.0037	0.0094	0.0075
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	4.17	3.79
	Chloride			ND	2.94	2.89	5.28	2.76	2.6	ND	2.91	3.1	ND	ND	ND	2.58	ND	ND
	Chromium			0.053	0.0067	0.0075	0.0815	0.05	0.0277	0.013	0.0121	0.0206	ND	ND	ND	0.0021	ND	ND
	Cobalt			0.041	0.0108	0.0188	0.0397	0.0267	0.0094	0.005	0.0056	0.0108	ND	ND	ND	ND	ND	ND
	COD			ND	ND	ND	6.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper			0.118	0.018	0.0273	0.122	0.0773	0.0332	0.02	0.0288	0.028	0.0028	ND	ND	ND	ND	ND
	Hardness			130	14	22	50	44	34	16	78	38	30	20	16	20	34	40
	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	0.411	ND
	Lead			**0.0259**	0.0089	**0.023**	**0.0435**	**0.02**	0.0088	ND	0.0052	0.0096	ND	0.001	ND	ND	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	1.83	1.74
	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	0.0213	0.0073
	Mercury			ND	ND	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	0.013	0.0126	0.0202	ND	ND	ND	ND	ND	ND
	Nitrate			ND	ND	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	5.7	5.66
	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	1	0.832
	Selenium			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
	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	3.84	3.54
	Spec. Cond.					36.1	41.4	39	43.7	37.1	30.3	33.1	33.4	36	35	31.5	28.9	34.2
	Sulfate			ND	ND	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	ND	53
	Thallium			ND	ND	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	4.90	10.70
	Vanadium			0.0529	0.01	0.0124	0.1	0.058	0.022	0.013	0.0132	0.0212	ND	ND	ND	ND	ND	ND
	Zinc			0.227	0.0275	0.0459	0.235	0.159	0.06	0.037	0.041	0.0639	0.0078	0.0084	ND	0.0029	ND	0.0153

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Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW3B	Alkalinity			160	110	80	111	137	118	123	112	105	94	81	86	234	91	65
	Ammonia			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
	Arsenic			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026	ND	ND
	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	0.0146	0.0209
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium			10.7	63	57.4	42.3	61.8	44.4	54.5	34.3	33.3	26	23	24.5	106	22.8	19.4
	Chloride			ND	4.59	2.57	3.49	3.46	2.76	3.05	2.63	ND	ND	2.58	2.53	479	2.5	2.76
	Chromium			0.0246	0.018	0.0129	0.0409	0.184	0.0478	**0.124**	0.053	0.0655	ND	ND	ND	0.0061	ND	ND
	Cobalt			ND	0.027	0.0064	0.012	0.0243	0.0093	0.016	0.0058	0.0113	ND	ND	ND	0.746	ND	ND
	COD			ND	22.4	7.6	6.7	ND	ND	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	ND	ND
	Hardness			100	66	45	114	188	132	162	130	118	100	66	78	590	70	72
	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	0.24	0.271
	Lead			ND	**0.041**	0.011	0.0138	0.0163	0.0087	**0.017**	0.0077	0.0134	ND	ND	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	3.73	3.34
	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	0.0143	0.0212
	Mercury			ND	ND	ND	ND	ND	ND	3E-04	ND	ND	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	ND	ND
	Nitrate			ND	ND	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	6.97	6.94
	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	1.42	1.21
	Selenium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0025	ND	ND
	Silver			ND	ND	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	22.4	11.2
	Spec. Cond.					279.6	223.9	329.1	161.1	221.9	214	146.9	184.6	184	191.6	153	197.7	157.6
	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	16.4	7.33
	TDS			332	472	188	268	292	158	242	228	256	142	63	ND	1240	40	104
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	107	ND	ND	ND
	Turbidity			42	2130	NT	NT	NS	11.3	22.7	27.8	30.1	4.4	3.44	5.2	0.00	4.00	2.00
	Vanadium			0.0047	0.0279	0.0098	0.022	0.0216	0.0112	0.023	0.0068	0.0136	ND	ND	ND	0.0023	ND	ND
	Zinc			0.0123	0.108	0.0359	0.0724	0.0988	0.0429	0.08	0.03	0.0612	ND	ND	ND	0.0415	0.0055	0.0301

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Monitoring Location MW04	Alkalinity			70	60	52	56	51	55	55	55	51	50	60	54	47	47	54
	Ammonia			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
	Arsenic			ND	ND	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	0.042	0.0417	0.042	0.034	0.032	0.041	0.0323	0.0326	0.0333
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium			34.4	35.5	34.5	40.4	33.4	39.6	35.1	35.1	35	40	39	43.8	34.5	ND	38.8
	Chloride			106	138	120	145	125	141	128	128	139	143	152	154	138	148	148
	Chromium			0.0261	ND	ND	0.0076	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0021	ND
	Cobalt			0.0264	ND	ND	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	ND	ND
	Copper			0.037	ND	ND	0.0145	ND	0.0133	ND	ND	ND	ND	ND	ND	ND	0.0023	ND
	Hardness			183	200	163	188	162	186	170	170	194	212	194	184	140	192	116
	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	0.234	0.252
	Lead			**0.022**	ND	ND	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	20.9	23.2
	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	0.0448	0.0924
	Mercury			ND	ND	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	0.009	0.0093	0.0076	ND	ND	ND	ND	0.0021	0.0049
	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	0.668	0.658
	pH					5.7	5.96	5.5	6.11	6.05	6.05	6.24	5.96	5.92	5.99	5.86	5.71	6.03
	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	2.47	2.54
	Selenium			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
	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	28	32.1
	Spec. Cond.					421.5	587.4	501.7	620.9	485.6	485.6	498.8	487.3	574.2	524.6	502	499.4	589.9
	Sulfate			ND	ND	ND	ND	ND	4.26	4.01	4.01	4.73	5.37	5.12	5.32	4.8	5.13	5.1
	TDS			552	552	520	528	428	310	442	442	370	442	320	ND	412	282	507
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	320	ND	ND	ND
	Turbidity			880	13.2	NT	NT	NS	59.7	45.2	45.2	87	13.3	0	14.1	6.50	1.70	0.30
	Vanadium			0.0213	ND	ND	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	0.007	0.0073	0.0108	0.0056	ND	0.0065	0.0022	0.0026	ND

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Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW06	Alkalinity			260	264	214	238	197	216	183	208	201	201	197	247	80	210	243
	Ammonia			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
	Arsenic			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	ND	ND	0.0031	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	0.317	0.418
	Beryllium			**0.007**	ND	ND	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	ND	0.0024
	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	96.7	109
	Chloride			222	200	226	243	255	258	304	282	411	372	409	407	3.61	443	456
	Chromium			0.0533	ND	ND	0.0073	0.0229	0.0051	0.006	0.0118	ND	**0.57**	**0.53**	ND	0.0031	0.0034	0.0032
	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	0.57	0.597
	COD			ND	17.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper			0.143	0.0157	0.0106	0.0243	0.0414	0.0133	0.015	0.0157	0.0091	0.017	0.011	0.0033	ND	0.0216	0.0031
	Hardness			430	1720	430	470	452	472	500	500	632	104	800	710	70	630	1300
	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	0.798	0.723
	Lead			**0.0519**	0.0101	0.011	0.0137	0.0095	ND	0.005	0.0055	ND	ND	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	66.9	79.3
	Manganese			38.9	54	37.63	44.4	37.6	48	40	44.7	54.3	48	50	58.1	0.0131	45.5	61.2
	Mercury			ND	0.0004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel			0.154	0.0339	0.032	0.0429	0.0634	0.0463	0.038	0.0409	0.0532	0.57	0.56	0.0511	ND	0.0684	0.0654
	Nitrate			0.0757	ND	ND	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	5.97	5.99
	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	4.08	4.22
	Selenium			0.0429	0.0113	0.0098	0.0096	0.0151	0.0084	0.013	0.0084	0.0084	ND	ND	0.0057	ND	0.0021	0.0057
	Silver			ND	ND	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	107	123
	Spec. Cond.					984.9	1228	1211	1352	1248	1214	1557	1320	1004	1730	1844	1667	1849
	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	53.8	57.4
	TDS			1080	868	1036	976	776	644	878	718	96	926	1022	ND	98	1060	1140
	Thallium			ND	ND	0.0001	ND	ND	ND	ND	ND	ND	ND	ND	978	ND	ND	ND
	Turbidity			5300	1540	NT	NT	NS	270	2651	589	129.6	11.2	6.4	2.2	15.60	9.00	3.50
	Vanadium			0.0531	ND	ND	0.0054	0.0149	ND	ND	0.0051	ND	ND	ND	ND	ND	0.0023	ND
	Zinc			0.5	0.0516	0.0487	0.0616	0.136	0.0515	0.056	0.0627	0.0456	0.048	0.045	0.0253	0.0036	0.0424	0.0337

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Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW07	Alkalinity			90	42	69	42	31	68	48	139	259	62	128	254	105	290	384
	Ammonia			ND	ND	ND	ND	ND	ND	ND	0.265	0.377	ND	ND	ND	ND	ND	1.32
	Antimony			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0025	ND
	Barium			0.0666	0.0674	0.0636	0.058	0.0631	0.0635	0.073	0.0659	0.102	0.058	0.069	0.103	0.0599	0.0921	0.11
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium			46.7	46.5	55.2	41.7	44.5	48.9	45.4	55.6	81.6	40	57	98	40.2	98.1	127
	Chloride			131	119	117	70.3	108	118	117	123	166	124	128	194	85.1	189	222
	Chromium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0068	ND
	Cobalt			0.0066	ND	ND	0.0065	0.0073	ND	ND	0.01	0.0103	ND	0.0094	0.0136	0.0121	0.0159	0.0132
	COD			12.6	15	15.1	14.6	ND	21.2	ND	23.7	35.8	ND	25.2	34.4	ND	25	40.8
	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	0.0129	0.01
	Hardness			650	219	241	198	216	238	212	294	418	210	266	440	114	126	450
	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	2.36	6.31
	Lead			ND	ND	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	50.6	64.7
	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	1.92	3.4
	Mercury			ND	ND	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	0.007	0.0077	0.0089	ND	ND	0.0086	0.0052	0.0099	0.0072
	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	0.254	0.317
	pH					5.55	5.62	5.04	5.79	5.57	5.55	6.27	5.81	5.93	5.95	5.41	5.95	6.15
	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	4.08	4.62
	Selenium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0041	ND
	Silver			ND	ND	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	49.4	55.1
	Spec. Cond.					568.3	601.2	614.9	693.4	580.1	667.6	1005	174.4	640.3	979.3	540.4	920.7	1417
	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	23.8	19.2
	TDS			648	552	788	528	560	420	524	442	650	398	392	ND	358	578	779
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	600	ND	ND	ND
	Turbidity			11.1	6.06	NT	NT	NS	0.8	3.7	6.09	10.1	0	0	0	0.00	1.60	8.70
	Vanadium			ND	ND	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	0.01	0.0096	0.0118	ND	0.011	0.0071	0.0071	0.0147	0.0246

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Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW08	Alkalinity			190	480	209	166	178	175	89	233	187	266	144	289	157	216	128
	Ammonia			0.726	1.94	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
	Arsenic			ND	ND	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	0.0942	0.176
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium			59	114	76.2	70.1	67.4	67.5	46.9	87.3	64	88	56	97.3	56.8	79.2	56.2
	Chloride			190	207	210	198	223	172	197	142	160	134	151	133	102	135	128
	Chromium			0.0215	ND	ND	ND	0.0654	ND	0.022	ND	ND	0.014	ND	ND	ND	ND	0.029
	Cobalt			0.0816	ND	ND	ND	0.0838	ND	ND	ND	ND	ND	ND	ND	ND	0.0064	0.0368
	COD			ND	26.3	6.2	11.5	ND	ND	ND	16	11.8	12.5	10.2	10	13.2	ND	ND
	Copper			0.054	0.0145	0.0067	0.0081	0.131	0.0134	0.011	0.0069	0.0061	0.0029	ND	0.0023	0.0026	0.0179	0.0574
	Hardness			270	600	99	332	344	302	218	412	316	444	276	468	298	400	260
	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	2.14	22.5
	Lead			0.01	ND	ND	ND	0.027	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0107
	Magnesium			36.9	90.9	50.2	40.5	39.6	33.9	27.1	46	37.7	48	32	52.6	32.8	41.8	32.2
	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	0.192	1.16
	Mercury			ND	ND	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	0.024	0.0075	ND	ND	ND	0.0036	0.0024	0.0097	0.0373
	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	6.84	6.82
	pH					6.65	6.59	5.76	6.57	6.39	6.61	6.81	7.83	6.55	7.14	6.64	6.9	7.03
	Potassium			10.4	19.1	14	11.8	12.9	13.6	8	12.7	10.8	11	9.7	11.9	8.84	10.7	9.48
	Selenium			ND	ND	ND	ND	0.0076	ND	ND	ND	ND	ND	ND	0.0023	ND	ND	ND
	Silver			ND	ND	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	82.6	72.2
	Spec. Cond.					1040	1154	1199	1157	907.6	1121	964.7	951.2	879	1123	895	932	733.2
	Sulfate			55	68.5	72.6	67.4	69	95.1	57.6	136	92.7	120	69.3	169	111	130	84.6
	TDS			696	1136	1016	776	712	642	520	740	624	656	483	ND	588	643	528
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	742	ND	ND	ND
	Turbidity			1227	22.7	NT	NT	NS	8.7	NM	35.2	11.6	7.5	2.87	0	1.50	19.40	410.00
	Vanadium			0.0366	ND	ND	ND	0.0874	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.0351
	Zinc			0.16	0.0143	0.0109	0.0104	0.22	0.0071	0.031	0.0085	0.0093	ND	ND	ND	0.0032	0.018	0.112

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Monitoring Location MW09	Alkalinity			64	110	44	34	37	33	28	35	30	28	28	51	38	46	45
	Ammonia			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
	Arsenic			ND	ND	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	0.0445	0.185
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	**0.0055**	**ND**	ND	ND	ND	ND	ND
	Cadmium			ND	ND	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	9.3	12.4
	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	15.3	16.3
	Chromium			0.0588	0.032	ND	0.009	0.0384	0.027	0.026	0.0363	**0.128**	**0.0044**	0.0044	ND	0.0024	0.0031	0.0356
	Cobalt			0.0341	0.016	ND	ND	0.0603	0.0057	0.009	0.0138	0.0684	ND	ND	ND	ND	ND	0.0124
	COD			ND	ND	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	ND	0.0348
	Hardness			80	48	140	50	84	46	48	68	46	36	36	124	72	72	62
	Iron			48.6	16.7	ND	3.05	26.2	6.41	14.7	22.2	86.7	3	3	0.875	ND	ND	22.8
	Lead			**0.0373**	0.0132	0.0124	ND	0.0544	ND	0.011	0.0137	**0.0648**	**0.0018**	0.0018	ND	ND	ND	0.0146
	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	5.09	14.3
	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	0.0275	0.588
	Mercury			ND	ND	0.0004	ND	0.0004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel			0.0553	0.0274	ND	0.0094	0.034	0.0217	0.025	0.0318	0.109	0.0052	0.0052	ND	0.0025	ND	0.0259
	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	0.941	1.07
	pH					5.25	5.08	5.23	5.42	5.05	5.07	5.5	5.7	5.7	5.57	4.97	5.3	5.23
	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	0.768	8.29
	Selenium			ND	ND	ND	ND	0.0088	ND	ND	ND	0.0078	ND	ND	ND	ND	ND	ND
	Silver			ND	ND	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	4.14	3.9
	Spec. Cond.					105.3	105.1	122.5	120.2	70.2	579.6	108.1	269.8	269.8	238.1	111.7	99	113
	Sulfate			ND	ND	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	124	94
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	147	ND	ND	ND
	Turbidity			1160	398	NT	NT	NS	446	1235	644	500	154.3	154.3	40.9	16.30	19.90	269.00
	Vanadium			0.0541	0.0285	ND	ND	0.0306	0.0076	0.017	0.0258	0.117	ND	ND	ND	ND	ND	0.0296
	Zinc			0.189	0.0777	0.0166	0.0242	0.157	0.0363	0.087	0.0867	0.398	0.022	0.022	0.0171	0.0087	0.006	0.115

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW10	Alkalinity			100	75	78	65	79	59	86	68	4.6	61	62	50	66	64	80
	Ammonia			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
	Arsenic			ND	ND	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	0.0784	0.0822
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	18.3	17.6
	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	6.99	6.15
	Chromium			**0.125**	ND	0.0057	0.0102	0.0174	0.0081	0.068	ND	0.0251	0.0036	ND	ND	ND	ND	ND
	Cobalt			0.0659	ND	0.0103	0.0052	0.0067	ND	0.031	ND	0.0139	ND	ND	ND	ND	ND	ND
	COD			ND	36.6	ND	4.4	ND	ND	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	ND	0.0096
	Hardness			110	70	72	68	82	60	90	82	236	76	70	104	100	76	72
	Iron			201	ND	5.7	9	12.6	5.5	55.7	4.31	22.1	2	1.2	0.329	0.423	1.09	1.24
	Lead			**0.0611**	ND	**0.0153**	ND	0.005	ND	**0.018**	ND	**0.0185**	ND	ND	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	7.8	7.3
	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	0.0238	0.0392
	Mercury			ND	ND	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	0.061	0.0074	0.0254	0.0062	ND	ND	0.0039	0.0054	ND
	Nitrate			ND	ND	ND	ND	ND	ND	ND	ND	3.91	ND	ND	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	5.77	6.08
	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	1.3	1.19
	Selenium			0.0085	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
	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	9.18	8.97
	Spec. Cond.					132.5	144.6	184	164.9	183	148.4	983.8	132.3	163.1	135.1	157	153.3	162
	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	10.1	11.1
	TDS			148	140	140	116	160	162	142	144	680	68	73	ND	133	138	117
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96	ND	ND	ND
	Turbidity			4340	3140	NT	NT	NS	203	1583	114	401	115.5	37.8	16	38.00	36.70	26.70
	Vanadium			0.189	ND	0.0094	0.0242	0.0319	0.0143	0.124	0.0107	0.0273	0.0055	ND	ND	0.0029	ND	ND
	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	0.0107	0.0331

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW11A	Alkalinity			50	27	40	33	37	29	33	16.2	31	23	37	25	33	35	30
	Ammonia			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
	Arsenic			ND	ND	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	0.0553	0.039
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	14.9	13.2
	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	7.98	7.15
	Chromium			**0.144**	0.0273	0.0096	0.0354	0.0514	0.032	0.052	0.0384	0.0143	0.0095	ND	ND	0.0025	ND	ND
	Cobalt			0.0695	0.0181	0.0103	0.014	0.0213	0.0119	0.021	0.0155	0.0055	ND	ND	ND	ND	ND	ND
	COD			ND	ND	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	ND	0.0079
	Hardness			90	36	54	52	80	46	60	200	58	44	54	88	84	70	52
	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	2.61	0.735
	Lead			**0.0499**	**0.0156**	0.0122	0.0069	0.0136	0.0061	0.012	0.0079	ND	0.0015	ND	ND	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	6.35	4.76
	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	0.05	0.0172
	Mercury			ND	ND	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	0.049	0.036	0.0134	0.0099	ND	ND	0.004	0.0067	ND
	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	3.3	3.29
	pH					5.14	5.51	5.49	5.78	5.72	5.54	5.76	5.7	5.53	5.80	5.51	5.39	5.65
	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	1.28	0.96
	Selenium			0.0056	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
	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	5.75	5.03
	Spec. Cond.					92	93.3	114.8	111.2	111.7	76.9	101	57.4	125.8	97.4	119.1	111.9	117.5
	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	4.9	6.52
	TDS			108	72	96	64	108	176	116	87	78	50	10	ND	118	124	91
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	86	ND	ND	ND
	Turbidity			4880	1600	NT	NT	NS	766	1272	607	630	46	86.3	17.5	39.90	47.90	34.50
	Vanadium			0.124	0.0093	0.0055	0.0425	0.057	0.0328	0.056	0.0424	0.0171	0.0091	0.0052	ND	0.0023	ND	ND
	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	0.0154	0.0327

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

Sample Site	Parameter	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	Sping 2017	
Monitoring Location MW11B	Alkalinity			100	69	65	68	61	61	62	68	73	72	68	68	67	67	64
	Ammonia			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
	Arsenic			ND	ND	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	0.026	0.0348	0.0256	0.021	0.021	0.0246	0.0182	0.0373	0.0306
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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	19.2	18.9
	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	9.51	23.9
	Chromium			0.0082	ND	ND	ND	ND	ND	ND	0.0052	ND	ND	ND	ND	ND	ND	ND
	Cobalt			0.005	ND	ND	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	ND	ND
	Copper			0.0131	ND	ND	0.0074	ND	ND	0.006	0.007	ND	0.0021	ND	ND	0.0022	0.0059	0.0058
	Hardness			94	66	58	62	62	62	62	72	86	86	72	108	82	80	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	3.19	1.98
	Lead			ND	ND	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	10.3	9.61
	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	0.0818	0.0423
	Mercury			ND	ND	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	0.0059	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	2.88	2.19
	pH					6.13	6.36	6.17	6.17	6.46	6.19	6.56	6.77	6.27	6.27	6.05	6.21	6.32
	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	1.42	1.09
	Selenium			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
	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	9.68	9.32
	Spec. Cond.					123	156	147.8	147.8	144.9	160	171.5	74.1	170.2	162.1	163.5	169.1	190.1
	Sulfate			ND	ND	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	171	121
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	143	ND	ND	ND
	Turbidity			72.4	4.99	NT	NT	NS	NS	15.8	40.5	7.4	34.2	36.9	24.6	29.60	185.90	89.40
	Vanadium			0.0229	ND	ND	0.0062	ND	ND	0.006	0.0088	ND	0.007	0.0062	ND	0.0039	0.0108	0.0065
	Zinc			0.0209	ND	ND	0.0106	0.0066	0.0066	0.007	0.0122	ND	0.0053	ND	ND	0.0143	0.0135	0.0272

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Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW12	Alkalinity			15	16	22	12	10	7	7.9	6	75	7.5	10	23	25	36	35
	Ammonia			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
	Arsenic			ND	ND	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	0.255	0.229
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium			82	78.8	65.6	65.2	47.4	44.5	45.5	46.4	19.7	47	32	32.8	28.7	26.5	25.7
	Chloride			374	371	286	348	211	246	197	251	7.3	267	176	204	147	135	113
	Chromium			0.1	ND	ND	0.0181	0.0261	ND	0.012	ND	0.0436	0.01	ND	ND	0.002	ND	ND
	Cobalt			0.0492	ND	ND	ND	0.012	ND	ND	ND	0.0213	ND	ND	ND	ND	ND	ND
	COD			ND	ND	ND	6.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Copper			0.109	0.0111	0.0063	0.0168	0.0339	0.0159	0.017	0.0079	0.078	0.011	ND	ND	0.003	0.002	0.0139
	Hardness			360	356	280	276	188	196	170	206	88	204	136	140	136	140	110
	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	ND	0.984
	Lead			**0.0616**	ND	0.0106	ND	0.0168	ND	0.007	ND	0.0112	0.0022	0.0014	ND	ND	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	11.4	10.7
	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	0.0256	0.0458
	Mercury			ND	ND	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	0.014	0.0079	0.0388	0.014	ND	ND	0.0041	0.0034	ND
	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	4.96	5.47
	pH					4.66	4.8	5.01	5.19	4.82	4.85	5.96	5.2	5.05	5.36	5.07	5.15	5.12
	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	2.16	2.23
	Selenium			0.0062	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
	Sodium			81.5	104	73.7	96.2	57.8	76.9	61.4	88.4	8.05	88	64	83.5	54	50.8	44.6
	Spec. Cond.					836.7	1142	757	976.6	668	835.9	159.4	783.6	641.4	640.7	563.6	481.9	439.3
	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	18.8	19.3
	TDS			1520	1184	1020	1012	720	600	646	624	134	620	337	ND	443	333	265
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	426	ND	ND	ND
	Turbidity			3920	57.4	NT	NT	NS	84.3	160	50.1	358.3	94.3	6.9	26.3	5.20	8.30	5.80
	Vanadium			0.085	ND	ND	ND	0.0246	ND	0.009	ND	0.0893	ND	ND	ND	0.0023	0.0025	ND
	Zinc			0.269	0.0352	0.0306	0.039	0.0754	0.0238	0.044	0.0241	0.132	0.041	0.022	0.021	0.0159	0.0132	0.0315

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Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW13A	Alkalinity			50	224	34	227	32	34	32	34	36	32	40	33	37	43	27
	Ammonia			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
	Arsenic			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0015	ND	ND	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	0.205	0.23
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0017	ND	ND	ND	ND
	Cadmium			ND	ND	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	28.1	25.7
	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	95	88.4
	Chromium			0.024	ND	ND	0.0853	0.0224	0.0084	0.041	0.0436	0.0342	0.005	0.041	ND	ND	ND	ND
	Cobalt			0.029	0.0079	0.0114	0.0683	0.017	0.0109	0.035	0.0378	0.0335	0.0085	0.022	0.0076	0.009	0.0085	0.0094
	COD			34.6	ND	ND	10.1	ND	17.2	ND	10.9	18.6	ND	11.7	ND	ND	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	0.0067	0.0125
	Hardness			160	128	125	164	148	132	136	270	148	220	152	128	142	134	136
	Iron			28.3	3.32	2.96	108	17.3	10.3	45.7	45.9	44	2	29	0.259	1.26	0.871	3.96
	Lead			0.0112	ND	0.0069	**0.0327**	0.0069	ND	0.015	**0.0172**	**0.0215**	ND	0.01	ND	ND	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	19.6	18.7
	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	0.283	0.349
	Mercury			0.0003	0.0003	0.0006	**0.0026**	0.0004	0.0003	7E-04	0.0014	0.002	ND	**0.0031**	ND	ND	ND	0.0003
	Nickel			0.0345	0.01	0.0097	0.0773	0.0249	0.0135	0.043	0.0462	0.0359	ND	0.011	0.0076	0.0077	0.0103	0.0105
	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	1.84	1.78
	pH					4.79	4.93	4.91	5.32	5.12	5.31	5.34	5.12	5.07	5.16	4.82	5.02	5.08
	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	2.32	3.07
	Selenium			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
	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	14.8	13.5
	Spec. Cond.					303	362.1	362.5	406.3	290.5	214.5	83.3	319.4	378.9	348.8	360.2	353.5	377.1
	Sulfate			ND	ND	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	177	246
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	238	ND	ND	ND
	Turbidity			1048	56.8	NT	NT	NS	1082	1220	934	1349	42.7	73.2	27.2	46.60	14.30	14.80
	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	ND	0.0094
	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	0.0158	0.0361

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW13B	Alkalinity			230	720	226	742	226	224	221	218	221	212	216	209	214	217	210
	Ammonia			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
	Arsenic			ND	ND	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	0.075	0.0794	0.0814	0.07	0.073	0.077	0.0745	0.0734	0.0732
	Beryllium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium			82.7	80.5	83.4	91.2	81.4	83	86.2	90	85.2	86	89	84.9	83.7	83.5	81.7
	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	105	92.6
	Chromium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0029	ND
	Cobalt			ND	ND	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	11.8	ND
	Copper			0.0063	ND	ND	ND	ND	0.01	ND	ND	ND	0.0012	ND	ND	ND	ND	ND
	Hardness			360	313	67	334	316	314	328	340	342	368	344	324	340	340	344
	Iron			0.571	ND	ND	0.498	0.447	0.537	0.411	0.458	0.498	ND	ND	0.478	0.456	0.419	0.423
	Lead			ND	ND	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	28.9	28.3
	Manganese			0.0306	0.0323	0.0324	0.0382	0.0403	0.0331	0.037	0.0342	0.0361	0.026	0.032	0.036	0.0353	0.0352	0.037
	Mercury			0.0002	ND	ND	ND	0.0003	0.0002	3E-04	0.0002	0.0002	0.0002	ND	ND	ND	ND	ND
	Nickel			ND	ND	ND	0.0058	0.0068	ND	0.006	0.0051	ND	ND	ND	0.0028	0.0025	0.0045	0.0021
	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	4.01	4.24
	pH					5.85	5.88	5.64	6.2	6.07	6.15	6.28	6.7	6.1	6.14	5.9	5.95	6.09
	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	3.25	3.26
	Selenium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0025	ND
	Silver			ND	ND	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	17.4	16.9
	Spec. Cond.					586.8	713.4	706.1	781	673.7	676.3	716.8	615.2	710	700	708.7	676.4	674.1
	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	13.5	12.9
	TDS			540	572	640	560	480	474	502	458	454	472	412	ND	508	429	456
	Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	464	ND	ND	ND
	Turbidity			0.232	0.364	NT	NT	NS	0	0	0.69	0	0.7	0.47	0	0.00	0.00	0.00
	Vanadium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc			ND	ND	ND	0.005	0.0062	ND	0.007	0.0064	0.0054	ND	ND	ND	ND	ND	ND

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW16A	Alkalinity																	235
	Ammonia																	ND
	Antimony																	ND
	Arsenic																	ND
	Barium																	0.318
	Beryllium																	ND
	Cadmium																	ND
	Calcium																	46.8
	Chloride																	105
	Chromium																	ND
	Cobalt																	0.0073
	COD																	31.8
	Copper																	0.0067
	Hardness																	270
	Iron																	12.2
	Lead																	ND
	Magnesium																	55
	Manganese																	8.83
	Mercury																	ND
	Nickel																	0.0089
	Nitrate																	ND
	pH																	6.43
	Potassium																	3.57
	Selenium																	ND
	Silver																	ND
	Sodium																	125
	Spec. Cond.																	791.1
	Sulfate																	13
	TDS																	463
	Thallium																	ND
	Turbidity																	4.30
	Vanadium																	ND
	Zinc																	0.0493

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW16B	Alkalinity																	167
	Ammonia																	ND
	Antimony																	ND
	Arsenic																	ND
	Barium																	0.0743
	Beryllium																	ND
	Cadmium																	ND
	Calcium																	88.5
	Chloride																	329
	Chromium																	ND
	Cobalt																	0.0139
	COD																	30.7
	Copper																	0.0063
	Hardness																	460
	Iron																	2
	Lead																	ND
	Magnesium																	76.1
	Manganese																	13.1
	Mercury																	ND
	Nickel																	0.0216
	Nitrate																	1.54
	pH																	6.01
	Potassium																	4.43
	Selenium																	0.0062
	Silver																	ND
	Sodium																	50.3
	Spec. Cond.																	1246
	Sulfate																	8.36
	TDS																	825
	Thallium																	ND
	Turbidity																	4.70
	Vanadium																	ND
	Zinc																	0.0468

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW19A	Alkalinity																	60
	Ammonia																	ND
	Antimony																	ND
	Arsenic																	ND
	Barium																	0.14
	Beryllium																	ND
	Cadmium																	ND
	Calcium																	48.5
	Chloride																	288
	Chromium																	ND
	Cobalt																	0.005
	COD																	ND
	Copper																	0.0094
	Hardness																	268
	Iron																	1.72
	Lead																	ND
	Magnesium																	35.7
	Manganese																	1.37
	Mercury																	0.0007
	Nickel																	0.0071
	Nitrate																	2.03
	pH																	5.8
	Potassium																	4.02
	Selenium																	ND
	Silver																	ND
	Sodium																	100
	Spec. Cond.																	1090
	Sulfate																	11.3
	TDS																	685
	Thallium																	ND
	Turbidity																	0.00
	Vanadium																	ND
	Zinc																	0.0398

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW19B	Alkalinity																	106
	Ammonia																	ND
	Antimony																	ND
	Arsenic																	ND
	Barium																	0.0354
	Beryllium																	ND
	Cadmium																	ND
	Calcium																	65.9
	Chloride																	128
	Chromium																	ND
	Cobalt																	ND
	COD																	ND
	Copper																	ND
	Hardness																	262
	Iron																	0.468
	Lead																	ND
	Magnesium																	22.9
	Manganese																	0.0361
	Mercury																	ND
	Nickel																	ND
	Nitrate																	1.28
	pH																	6.18
	Potassium																	2
	Selenium																	ND
	Silver																	ND
	Sodium																	19.6
	Spec. Cond.																	551.7
	Sulfate																	6.63
	TDS																	458
	Thallium																	ND
	Turbidity																	3.90
	Vanadium																	ND
	Zinc																	0.0227

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW21A	Alkalinity																	302
	Ammonia																	5.4
	Antimony																	ND
	Arsenic																	ND
	Barium																	0.205
	Beryllium																	ND
	Cadmium																	ND
	Calcium																	53.5
	Chloride																	117
	Chromium																	ND
	Cobalt																	0.0228
	COD																	14.8
	Copper																	ND
	Hardness																	328
	Iron																	0.559
	Lead																	ND
	Magnesium																	40.1
	Manganese																	13.8
	Mercury																	ND
	Nickel																	0.0078
	Nitrate																	1.07
	pH																	6.17
	Potassium																	9.91
	Selenium																	ND
	Silver																	ND
	Sodium																	67
	Spec. Cond.																	956.3
	Sulfate																	23.4
	TDS																	508
	Thallium																	ND
	Turbidity																	2.30
	Vanadium																	ND
	Zinc																	0.0287

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW21B	Alkalinity																	177
	Ammonia																	0.628
	Antimony																	ND
	Arsenic																	ND
	Barium																	0.0647
	Beryllium																	ND
	Cadmium																	ND
	Calcium																	61.1
	Chloride																	99.8
	Chromium																	0.0075
	Cobalt																	ND
	COD																	11.6
	Copper																	0.0073
	Hardness																	46
	Iron																	5.55
	Lead																	ND
	Magnesium																	21.6
	Manganese																	4.03
	Mercury																	ND
	Nickel																	ND
	Nitrate																	ND
	pH																	7.58
	Potassium																	30.3
	Selenium																	ND
	Silver																	ND
	Sodium																	46.8
	Spec. Cond.																	514.7
	Sulfate																	45.7
	TDS																	418
	Thallium																	ND
	Turbidity																	38.9
	Vanadium																	ND
	Zinc																	0.0283

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW22A	Alkalinity																	295
	Ammonia																	ND
	Antimony																	ND
	Arsenic																	ND
	Barium																	0.0228
	Beryllium																	ND
	Cadmium																	ND
	Calcium																	110
	Chloride																	137
	Chromium																	ND
	Cobalt																	ND
	COD																	ND
	Copper																	ND
	Hardness																	410
	Iron																	4.69
	Lead																	ND
	Magnesium																	30
	Manganese																	0.737
	Mercury																	ND
	Nickel																	ND
	Nitrate																	ND
	pH																	6.65
	Potassium																	4.45
	Selenium																	ND
	Silver																	ND
	Sodium																	57.9
	Spec. Cond.																	1047
	Sulfate																	35.5
	TDS																	595
	Thallium																	ND
	Turbidity																	23.5
	Vanadium																	ND
	Zinc																	0.0203

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
22BMonitoring Location MW	Alkalinity																	328
	Ammonia																	ND
	Antimony																	ND
	Arsenic																	0.0052
	Barium																	0.0561
	Beryllium																	ND
	Cadmium																	ND
	Calcium																	109
	Chloride																	125
	Chromium																	0.0025
	Cobalt																	ND
	COD																	ND
	Copper																	ND
	Hardness																	400
	Iron																	2.13
	Lead																	ND
	Magnesium																	26.5
	Manganese																	0.843
	Mercury																	ND
	Nickel																	0.0068
	Nitrate																	ND
	pH																	6.91
	Potassium																	9.51
	Selenium																	0.0026
	Silver																	ND
	Sodium																	73.2
	Spec. Cond.																	959.6
	Sulfate																	43.5
	TDS																	615
	Thallium																	ND
	Turbidity																	344.1
	Vanadium																	ND
	Zinc																	0.0025

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Metals and Other Water Quality Parameters - Long Term Summary

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW23A	Alkalinity																	49
	Ammonia																	ND
	Antimony																	ND
	Arsenic																	ND
	Barium																	0.0027
	Beryllium																	ND
	Cadmium																	ND
	Calcium																	16.4
	Chloride																	71.5
	Chromium																	ND
	Cobalt																	ND
	COD																	ND
	Copper																	ND
	Hardness																	144
	Iron																	0.61
	Lead																	ND
	Magnesium																	18.6
	Manganese																	0.113
	Mercury																	ND
	Nickel																	ND
	Nitrate																	ND
	pH																	6.7
	Potassium																	1.44
	Selenium																	ND
	Silver																	ND
	Sodium																	13.7
	Spec. Cond.																	334.6
	Sulfate																	9.73
	TDS																	222
	Thallium																	ND
	Turbidity																	0.8
	Vanadium																	ND
	Zinc																	0.0036

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Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW23B	Alkalinity																	27
	Ammonia																	ND
	Antimony																	ND
	Arsenic																	ND
	Barium																	0.0939
	Beryllium																	ND
	Cadmium																	ND
	Calcium																	14.7
	Chloride																	56.8
	Chromium																	ND
	Cobalt																	ND
	COD																	ND
	Copper																	ND
	Hardness																	100
	Iron																	0.977
	Lead																	ND
	Magnesium																	12.6
	Manganese																	0.0734
	Mercury																	0.0007
	Nickel																	ND
	Nitrate																	3.3
	pH																	5.21
	Potassium																	2.71
	Selenium																	ND
	Silver																	ND
	Sodium																	18.7
	Spec. Cond.																	252.5
	Sulfate																	ND
	TDS																	195
	Thallium																	ND
	Turbidity																	39.2
	Vanadium																	ND
	Zinc																	0.0262

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW24A	Alkalinity																	125
	Ammonia																	0.322
	Antimony																	ND
	Arsenic																	0.0053
	Barium																	0.258
	Beryllium																	ND
	Cadmium																	ND
	Calcium																	64.2
	Chloride																	280
	Chromium																	0.0031
	Cobalt																	0.0525
	COD																	24.3
	Copper																	ND
	Hardness																	480
	Iron																	22.3
	Lead																	ND
	Magnesium																	56
	Manganese																	6.31
	Mercury																	ND
	Nickel																	0.0247
	Nitrate																	ND
	pH																	5.99
	Potassium																	3.94
	Selenium																	0.016
	Silver																	ND
	Sodium																	35.9
	Spec. Cond.																	1130
	Sulfate																	ND
	TDS																	720
	Thallium																	ND
	Turbidity																	2.8
	Vanadium																	ND
	Zinc																	0.0033

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location MW24B	Alkalinity																	262
	Ammonia																	ND
	Antimony																	ND
	Arsenic																	**0.0304**
	Barium																	0.183
	Beryllium																	ND
	Cadmium																	ND
	Calcium																	105
	Chloride																	267
	Chromium																	ND
	Cobalt																	0.0433
	COD																	42.7
	Copper																	0.0052
	Hardness																	770
	Iron																	44.8
	Lead																	ND
	Magnesium																	77.6
	Manganese																	3.49
	Mercury																	ND
	Nickel																	0.0138
	Nitrate																	ND
	pH																	6.74
	Potassium																	3.68
	Selenium																	ND
	Silver																	ND
	Sodium																	29.2
	Spec. Cond.																	1235
	Sulfate																	ND
	TDS																	698
	Thallium																	ND
	Turbidity																	10.7
	Vanadium																	ND
	Zinc																	0.0184

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location ST15	Alkalinity	80	115	79	98	31	99	38	68	29	180	52	154	NT	136	100	59	83
	Ammonia	ND	0.239	ND	ND	ND	ND	ND	ND	ND	0.895	ND	0.233	NT	ND	0.482	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Barium	0.0588	0.0596	0.0681	0.029	0.0197	0.0367	0.0197	0.063	0.017	0.0888	0.0288	0.063	NT	0.0948	0.0409	0.044	0.0422
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Calcium	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	28.9	26.8
	Chloride	58.2	102	67.7	38.1	5.32	157	13.1	75.3	10.2	1090	30.7	806	NT	397	80.9	240	62.4
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	COD	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	14.3	11.4
	Copper	0.0058	0.0085	0.0077	0.0062	ND	0.0081	ND	0.0058	ND	0.0089	ND	0.0062	NT	0.0056	ND	0.027	ND
	Hardness	160	180	160	95	29	122	48	124	36	252	74	246	NT	244	140	124	108
	Iron	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	0.686	1.45
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Magnesium	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	7.79	10.3
	Manganese	0.101	0.294	0.19	0.109	0.0434	0.245	0.0766	0.155	0.038	0.329	0.201	0.25	NT	0.482	0.738	0.117	0.452
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Nickel	0.0083	0.0104	0.0078	0.0052	ND	0.0066	ND	0.0089	ND	0.0119	ND	0.013	NT	0.0129	ND	0.0064	0.0057
	Nitrate	1.465	1.3279	1.3876	0.401	ND	0.799	ND	1.66	ND	1.6949	ND	1.14	NT	0.5244	ND	1.07	ND
	pH	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	6.99	6.93
	Potassium	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	2.63	1.71
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Sodium	24.5	59	24.8	28	4.33	108	7.36	29.1	7.17	607	12.3	450	NT	233	25.5	143	18.8
	Spec. Cond.	386.7	538.8			82.1	703.9	118.1	526.3	93.3	3441	200	2406	NT	1331	367	791.8	290.1
	Sulfate	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	9.19	4.94
	TDS	280	368	404	204	1276	392	100	222	6	2028	134	1468	NT	ND	197	482	199
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	823	ND	ND	ND
	Turbidity	3.04	5.24	6.06	25.6	NT	NT	NS	NS	6.2	16.4	NT	15.9	NT	3.9	3.80	7.00	0
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
	Zinc	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	0.0058	0.0289

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

Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location ST65	Alkalinity	70	235	88	243	203	237	98	253	112	74	174	65	NT	68	NS	NS	NS
	Ammonia	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS	NS	NS
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS	NS	NS
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS	NS	NS
	Barium	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	NS	NS
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS	NS	NS
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS	NS	NS
	Calcium	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	NS	NS
	Chloride	51.7	85.7	98.4	99.6	154	136	91.5	171	68.4	586	89.2	273	NT	192	NS	NS	NS
	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0226	ND	NT	ND	NS	NS	NS
	Cobalt	0.0137	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0387	ND	NT	ND	NS	NS	NS
	COD	34.8	34.7	7.7	35.1	39.2	32.6	10.5	60.7	ND	18.6	110	10	NT	ND	NS	NS	NS
	Copper	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	NS	NS
	Hardness	100	222	170	180	174	178	150	196	170	174	158	120	NT	156	NS	NS	NS
	Iron	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	NS	NS
	Lead	0.0036	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0244**	**ND**	NT	ND	NS	NS	NS
	Magnesium	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	NS	NS
	Manganese	2.37	0.0486	0.0179	0.143	0.25	0.0864	0.0182	0.0287	0.071	0.154	5.11	0.12	NT	0.139	NS	NS	NS
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS	NS	NS
	Nickel	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	NS	NS
	Nitrate	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	NS	NS
	pH	6.7	6.31			7.07	7.56	6.96	6.42	7.48	7.88	8.07	7.53	NT	7.69	NS	NS	NS
	Potassium	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	NS	NS
	Selenium	ND	ND	ND	ND	0.0082	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS	NS	NS
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	NS	NS	NS
	Sodium	25.7	110	37	121	115	136	26.3	136	27.5	345	75.9	150	NT	83.5	NS	NS	NS
	Spec. Cond.	302.3	884.2			795.9	872.7	471.5	1037	466.9	1916	563	813.1	NT	694.3	NS	NS	NS
	Sulfate	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	NS	NS
	TDS	196	500	500	524	588	532	360	562	352	1038	370	470	NT	ND	NS	NS	NS
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	473	NS	NS	NS
	Turbidity	90.3	5.03	0.696	8.26	NT	NT	NS	NS	0	NR	NT	7.5	NT	1	NS	NS	NS
	Vanadium	0.0036	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0281	ND	NT	ND	NS	NS	NS
	Zinc	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	NS	NS

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Sample Site	Parameter	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	Sping 2017	Fall 2017
Monitoring Location ST70	Alkalinity	109	106	115	105	81	128	79	108	92	105	82	121	120	106	107	80	95
	Ammonia	ND	0.497	ND	0.477	ND	0.383	ND	0.555	ND	0.612	ND	0.393	ND	ND	ND	ND	0.706
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	ND	ND	ND	ND
	Barium	0.0624	0.0596	0.0632	0.0498	0.0488	0.0706	0.0544	0.0732	0.061	0.0934	0.082	0.061	0.064	0.0681	0.0625	0.0601	0.0655
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	34.5	38.7
	Chloride	85.8	68.8	97.6	79.8	50.6	122	49.5	145	62.6	674	76	229	148	170	128	106	89.6
	Chromium	ND	ND	ND	ND	ND	0.0234	ND	0.0253	0.023	ND	0.0113	ND	ND	ND	ND	ND	ND
	Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	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	ND	ND
	Copper	0.0067	0.009	0.0076	0.0066	0.0071	0.01	0.0066	0.007	0.009	0.0073	0.0057	0.0033	ND	0.0035	ND	0.0116	0.0052
	Hardness	170	150	170	128	110	188	124	180	140	192	148	200	224	184	192	168	166
	Iron	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	0.456	0.496
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	14.6	17.3
	Manganese	0.154	0.274	0.147	0.185	0.0928	0.436	0.0764	0.276	0.097	0.344	0.0795	0.32	0.15	0.272	0.0794	0.191	0.15
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0086	0.0136	0.0077	0.0086	0.0091	0.0083	0.0076	0.0078	0.007	0.0103	ND	0.011	ND	0.0079	0.0038	0.008	0.0051
	Nitrate	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	0.666	1.17
	pH	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	7.01	7.35
	Potassium	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	2.88	3.44
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	49.1	31.8
	Spec. Cond.	520.6	625.1			291.6	691	315.7	739	424.7	2485	447.1	862.9	692.1	686.3	609.5	457.7	449.9
	Sulfate	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	12	11.4
	TDS	352	392	524	312	256	448	256	380	308	1286	276	574	397	ND	452	253	344
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	407	ND	ND	ND
	Turbidity	1.96	9.24	0.753	10.7	NT	NT	NS	155	0.6	3	NT	1.8	NT	0.2	0.00	1.70	3.5
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	ND	0.0166	0.0066	0.0145	0.0121	0.0143	0.0111	0.0136	0.022	0.0257	0.0101	0.014	0.0054	0.0107	0.0036	0.014	0.0242

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Monitoring Location ST80	Alkalinity	48	110	44	32	42	34	54	34	569	31	41	33	60	34	45	40	45
	Ammonia	ND	0.456	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
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0365	0.0532	0.0311	0.0387	0.0315	0.0346	0.044	0.0408	0.039	0.0505	0.037	0.043	0.04	0.0407	0.0384	0.0465	0.0383
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	21.7	19.6
	Chloride	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	77	40.1
	Chromium	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
	COD	ND	12.5	17	14.6	12.5	10.3	10.8	ND	14.4	ND	20.5	12.9	ND	ND	11.4	ND	ND
	Copper	0.0056	0.008	0.0066	0.0068	0.005	0.0058	ND	0.0061	0.008	ND	ND	0.0026	ND	ND	ND	0.0061	ND
	Hardness	70	152	68	46	55	58	86	66	76	84	76	82	106	80	92	120	100
	Iron	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	0.532	0.874
	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	11.8	9.24
	Manganese	0.126	0.174	0.155	0.149	0.0565	0.0786	0.184	0.115	0.098	0.107	0.149	0.13	0.17	0.0959	0.299	0.113	0.139
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0042	0.0108	ND	0.0055	ND	ND	ND	ND	0.005	0.0051	ND	0.0058	ND	0.0025	0.0033	ND	ND
	Nitrate	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	1.27	1.0988
	pH	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	7.39	7.43
	Potassium	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	2.4	2.73
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	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	29.6	14.9
	Spec. Cond.	216.2	616.7			162.9	234.2	255	466.6	231.3	685.1	211.2	541.2	333.5	393	219.8	310.4	223.1
	Sulfate	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	8.56	6.3
	TDS	144	380	168	144	160	168	160	246	180	396	168	362	172	ND	154	213	195
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	236	ND	ND	ND
	Turbidity	1.85	7.23	7.86	91.8	NT	NT	NS	1000+	4	8.8	NT	24	NT	2.3	0.60	10.70	0.5
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	ND	0.0119	ND	0.0095	0.0056	0.0061	ND	0.0064	0.013	0.0083	0.0079	0.0073	ND	ND	0.0022	ND	0.0167

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	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	Sping 2017	Fall 2017
Monitoring Location ST120	Alkalinity	64	74	70	60	49	52	72	56	57	64	60	56	68	62	60	82	66
	Ammonia	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.244	ND	ND	ND	ND
	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	0.0392	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	0.0629	0.0422
	Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	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	41	28.4
	Chloride	NT	197	93.2	102	50.1	110	47	335	67.8	928	77.4	332	117	217	94.2	159	80.4
	Chromium	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
	COD	ND	7	11.1	15.1	11.9	9.7	ND	25.8	ND	14.3	22.8	ND	ND	ND	ND	ND	10.3
	Copper	0.0056	0.0105	0.0068	0.0052	0.0062	0.0091	ND	0.0151	ND	0.0084	ND	0.0031	ND	ND	ND	ND	ND
	Hardness	340	150	180	113	73	98	100	130	120	208	130	138	174	160	188	186	230
	Iron	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	0.755	1.01
	Lead	ND	ND	ND	ND	0.0053	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Magnesium	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	21.5	13.9
	Manganese	0.0634	0.238	0.0817	0.126	0.051	0.0853	0.117	0.0907	0.08	0.128	0.155	0.14	0.13	0.126	0.0591	0.0942	0.0711
	Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.0066	0.0155	0.0066	0.0098	0.0074	0.0082	0.0059	0.0085	0.007	0.0146	0.0055	ND	ND	0.0108	0.0031	0.0107	0.0043
	Nitrate	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	1.33	1.14
	pH	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	7.13	7.64
	Potassium	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	2.51	2.39
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	27.5	170	34	53.7	34.5	65.1	15.3	181	19.8	561	24.5	210	34	99.4	24.3	52	24.5
	Spec. Cond.	370.8	1116			236.6	489.4	303.4	1297	340	2780	377.9	1092	519.6	755.1	432	571.5	401.1
	Sulfate	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	14.6	9.6
	TDS	244	720	376	372	208	284	228	660	272	1676	268	740	307	ND	268	318	301
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	434	ND	ND	ND
	Turbidity	2.12	8.2	2.4	3.86	NT	NT	NS	5	ND	9.8	NT	5.8	NT	1.8	0.00	1.50	0
	Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	ND	0.0124	ND	0.0089	0.0084	0.0106	ND	0.0075	0.006	0.0157	0.0058	0.0084	ND	0.0086	ND	ND	0.0036

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

TABLE A - Filtered and Unfiltered Sampling Results for Metals

Parameter			Monitoring Well										
			OB01	OB02	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07	OB07A	OB08
	UNFILTERED	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Arsenic	ND	ND	ND	0.0027	0.0041	0.0037	ND	ND	ND	ND	ND
		Barium	0.252	0.0574	0.488	0.463	0.385	0.315	0.0722	0.201	0.036	0.0535	0.145
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Calcium	84	22.5	107	76.5	73.3	170	139	144	131	114	62.8
		Chromium	0.0023	ND	ND	0.0033	0.0049	0.0032	ND	ND	ND	ND	0.0022
		Cobalt	0.003	ND	ND	0.0544	0.0498	ND	ND	0.0051	ND	ND	0.004
		Copper	ND	0.0095	ND	ND	ND	0.0278	0.0357	0.0111	0.0059	0.002	ND
		Iron	0.445	1.23	0.922	23.7	25.7	1.03	1.57	3.81	0.94	0.59	0.435
		Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Magnesium	52.9	8.71	65.6	46.9	44.7	91	96.6	59	39.5	63.5	13.9
		Manganese	1.42	0.593	0.0438	19.1	16.9	2.62	1.8	0.677	0.127	0.0971	4.71
		Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0005	ND
		Nickel	0.011	ND	0.0111	0.0144	0.0129	0.0124	0.0225	0.013	ND	0.0042	0.0054
		Potassium	4.18	3	5.27	5.22	7.07	6.49	5.23	4.89	3.33	2.47	2.35
		Selenium	ND	ND	ND	0.0025	0.0024	0.0163	0.0157	0.0085	0.0051	0.0082	ND
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	122	9.39	46	36.8	49.3	70	97	120	22.4	29.8	23.2
		Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Zinc	0.007	0.0266	0.0052	0.0095	0.0072	0.006	0.0446	0.0655	0.0324	0.0023	0.0024
	FILTERED	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Arsenic	ND	ND	ND	0.0026	0.0035	0.0037	0.0041	0.0023	ND	ND	ND
		Barium	0.249	0.0417	0.494	0.447	0.381	0.311	0.0657	0.194	0.0298	0.0523	0.143
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Calcium	83.7	20.3	107	76.4	72.6	169	135	147	127	113	62.6
		Chromium	0.0022	ND	ND	0.0037	0.0035	0.0031	0.0032	0.0035	ND	0.0024	0.0034
		Cobalt	ND	ND	ND	0.0537	0.0499	ND	ND	0.0041	ND	ND	0.004
		Copper	ND	ND	ND	ND	ND	0.0271	0.0229	0.0038	ND	ND	ND
		Iron	0.416	ND	0.522	23.7	25	0.855	0.67	0.712	0.604	0.574	0.426
		Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Magnesium	52.4	7.79	65.4	46.9	44.7	90	92.8	61.5	38.7	63.1	14.2
		Manganese	1.34	0.268	0.0411	19.9	16.2	2.65	1.72	0.566	0.11	0.0689	4.84
		Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Nickel	0.0111	ND	0.0108	0.0142	0.0129	0.0124	0.0203	0.01	ND	0.004	0.0056
		Potassium	4.29	2.84	5.16	5.11	6.97	6.36	4.85	4.3	3.34	2.47	2.37
		Selenium	ND	ND	ND	0.0025	0.0023	0.0165	0.0187	0.0096	0.0057	0.0082	ND
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	122	8.78	46.1	36.8	50.1	68.8	93.8	127	21.9	29.6	23
		Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Zinc	0.0066	ND	0.0039	0.0092	0.0074	0.0058	0.0199	0.0124	0.0024	ND	0.0021

ND: Not Detected
NS: Not Sampled

TABLE A - Filtered and Unfiltered Sampling Results for Metals

Parameter			Monitoring Well										
			OB08A	OB10	OB11	OB11A	OB12	OB15	OB25	OB102	OB105	MW1B	MW2A
	UNFILTERED	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Barium	0.0675	0.1	0.031	0.148	0.0142	0.0948	0.115	0.374	0.226	0.0057	NS
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Cadmium	ND	ND	0.0137	ND	ND	ND	ND	ND	ND	ND	NS
		Calcium	60.4	69	145	109	37.7	21.1	83.3	104	154	9.01	NS
		Chromium	ND	0.003	ND	0.0051	ND	ND	ND	ND	ND	ND	NS
		Cobalt	0.0168	0.0093	ND	0.0319	ND	ND	0.026	0.0631	0.0079	ND	NS
		Copper	ND	ND	0.0071	ND	ND	0.008	0.0053	0.303	0.0074	ND	NS
		Iron	4.43	1.33	0.898	1.7	ND	18.5	3.74	0.744	9.55	0.262	NS
		Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Magnesium	25.9	36.4	80.6	75.7	22.5	21	61	89.9	126	4.91	NS
		Manganese	7.67	6.6	1.13	9.22	0.136	1.26	21.4	11.9	3.46	0.009	NS
		Mercury	ND	ND	0.0013	ND	ND	ND	ND	ND	ND	ND	NS
		Nickel	0.0068	0.0124	0.0314	0.0275	0.006	0.0076	0.0156	0.0848	0.0222	ND	NS
		Potassium	2.76	3.2	4.7	5.36	2.42	2.05	14.6	55.3	44.6	1.12	NS
		Selenium	ND	0.0036	ND	0.0045	ND	ND	ND	0.0105	0.0079	ND	NS
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Sodium	33.2	22.1	94.4	108	22.8	88.1	80.8	460	245	8.55	NS
		Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Zinc	0.0213	0.004	0.0526	0.0144	0.0032	0.0499	0.0261	0.0329	0.0409	0.0307	NS
	FILTERED	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Arsenic	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Barium	0.06	0.0987	0.0243	0.145	0.0143	0.0786	0.156	0.365	0.215	ND	NS
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Cadmium	ND	ND	0.0124	ND	ND	ND	ND	ND	ND	ND	NS
		Calcium	58	68.6	139	110	41.1	18.4	79.8	102	157	7.39	NS
		Chromium	0.0043	0.0034	0.008	0.0077	ND	ND	0.0059	ND	ND	ND	NS
		Cobalt	0.0166	0.0094	ND	0.0321	ND	0.0029	0.032	0.0607	0.0073	ND	NS
		Copper	ND	ND	0.0026	ND	ND	ND	ND	0.0212	0.116	ND	NS
		Iron	3.93	1.3	0.76	1.62	0.204	8.74	12.6	0.695	7.45	ND	NS
		Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Magnesium	24.1	36.6	76.3	76.3	25.2	19.2	56.5	86.9	128	4.25	NS
		Manganese	7.4	6.78	1.08	9.1	0.134	0.949	22.6	12.1	3.7	ND	NS
		Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Nickel	0.0061	0.0126	0.0313	0.0276	0.0061	0.0054	0.0153	0.0829	0.0215	ND	NS
		Potassium	2.55	3.21	4.47	5.44	2.61	2.04	14.2	53.6	41.5	0.969	NS
		Selenium	ND	0.0035	0.0054	0.0046	ND	ND	0.0031	0.0099	0.0077	ND	NS
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Sodium	30.9	22.2	89.4	109	25.4	75.8	79.5	466	232	7.58	NS
		Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
		Zinc	0.0023	0.0045	0.0365	0.0143	0.0034	0.0129	0.0064	0.0448	0.101	0.0024	NS

ND: Not Detected
NS: Not Sampled

TABLE A - Filtered and Unfiltered Sampling Results for Metals

Parameter			Monitoring Well										
			MW2B	MW3A	MW3B	MW04	MW06	MW07	MW08	MW09	MW10	MW11A	MW11B
	UNFILTERED	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Barium	0.0076	0.0075	0.0209	0.0333	0.418	0.11	0.176	0.185	0.0822	0.039	0.0306
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	ND	ND	0.0024	ND	ND	ND	ND	ND	ND
		Calcium	8.24	3.79	19.4	38.8	109	127	56.2	12.4	17.6	13.2	18.9
		Chromium	ND	ND	ND	ND	0.0032	ND	0.029	0.0356	ND	ND	ND
		Cobalt	ND	ND	ND	ND	0.597	0.0132	0.0368	0.0124	ND	ND	ND
		Copper	ND	ND	ND	ND	0.0031	0.01	0.0574	0.0348	0.0096	0.0079	0.00584
		Iron	ND	ND	0.271	0.252	0.723	6.31	22.5	22.8	1.24	0.735	1.98
		Lead	ND	ND	ND	ND	ND	ND	0.0107	0.0146	ND	ND	ND
		Magnesium	2.98	1.74	3.34	23.2	79.3	64.7	32.2	14.3	7.3	4.76	9.61
		Manganese	0.0284	0.0073	0.0212	0.0924	61.2	3.4	1.16	0.588	0.0392	0.0172	0.0423
		Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Nickel	0.0028	ND	ND	0.0049	0.0654	0.0072	0.0373	0.0259	ND	ND	ND
		Potassium	1.43	0.832	1.21	2.54	4.22	4.62	9.48	8.29	1.19	0.96	1.09
		Selenium	ND	ND	ND	ND	0.0057	ND	ND	ND	ND	ND	ND
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	4.54	3.54	11.2	32.1	123	55.1	72.2	3.9	8.97	5.03	9.32
		Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Vanadium	ND	ND	ND	ND	ND	ND	0.0351	0.0296	ND	ND	0.00654
		Zinc	0.0105	0.0153	0.0301	ND	0.0337	0.0246	0.112	0.115	0.0331	0.0327	0.0272
	FILTERED	Antimony	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
		Arsenic	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
		Barium	0.0074	ND	0.0155	0.0328	0.414	0.109	NS	0.0442	0.0627	0.0308	0.0181
		Beryllium	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
		Cadmium	ND	ND	ND	ND	0.0025	ND	NS	ND	ND	ND	ND
		Calcium	8.01	2.51	15.4	38.3	109	125	NS	9.64	14.8	11.8	17.1
		Chromium	ND	ND	ND	ND	0.0045	0.0045	NS	0.0034	ND	ND	ND
		Cobalt	ND	ND	ND	ND	0.622	0.0133	NS	ND	ND	ND	ND
		Copper	ND	ND	ND	ND	0.0025	0.0026	NS	ND	ND	ND	ND
		Iron	ND	ND	ND	0.219	0.686	4.36	NS	ND	ND	ND	ND
		Lead	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
		Magnesium	2.89	1.17	2.51	22.8	79.5	62.2	NS	5.13	5.85	4.31	8.6
		Manganese	0.0265	ND	ND	0.07	62.3	3.55	NS	0.0164	0.0082	0.006	0.00224
		Mercury	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
		Nickel	0.0027	ND	ND	0.0037	0.0682	0.0071	NS	ND	0.0026	0.0024	ND
		Potassium	1.44	0.747	1.03	2.55	4.26	4.4	NS	0.738	0.953	0.653	0.829
		Selenium	ND	ND	ND	ND	0.0058	0.0032	NS	ND	ND	ND	ND
		Silver	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
		Sodium	4.43	3.1	8.35	31.5	123	52.6	NS	3.41	7.83	4.86	9.15
		Thallium	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
		Vanadium	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	0.0026
		Zinc	0.0101	ND	0.0027	ND	0.0329	0.0054	NS	0.0066	0.007	0.0066	ND

ND: Not Detected
NS: Not Sampled

TABLE A - Filtered and Unfiltered Sampling Results for Metals

Parameter			Monitoring Well								
			MW12	MW13A	MW13B	MW-16A	MW-16B	MW-19A	MW-19B	MW-21A	MW-21B
	UNFILTERED	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Barium	0.229	0.23	0.0732	0.318	0.0743	0.14	0.0354	0.205	0.0647
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Calcium	25.7	25.7	81.7	46.8	88.5	48.5	65.9	53.5	61.1
		Chromium	ND	ND	ND	ND	ND	ND	ND	ND	0.00749
		Cobalt	ND	0.00935	ND	0.00728	0.0139	0.00502	ND	0.0228	ND
		Copper	0.0139	0.0125	ND	0.00671	0.00631	0.00938	ND	ND	0.00733
		Iron	0.984	3.96	0.423	12.2	2	1.72	0.468	0.559	5.55
		Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Magnesium	10.7	18.7	28.3	55	76.1	35.7	22.9	40.1	21.6
		Manganese	0.0458	0.349	0.037	8.83	13.1	1.37	0.0361	13.8	4.03
		Mercury	ND	0.000315	ND	ND	ND	0.000705	ND	ND	ND
		Nickel	ND	0.0105	0.00212	0.00892	0.0216	0.00709	ND	0.0078	ND
		Potassium	2.23	3.07	3.26	3.57	4.43	4.02	2	9.91	30.3
		Selenium	ND	ND	ND	ND	0.00624	ND	ND	ND	ND
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	44.6	13.5	16.9	125	50.3	100	19.6	67	46.8
		Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Vanadium	ND	0.0094	ND	ND	ND	ND	ND	ND	ND
		Zinc	0.0315	0.0361	ND	0.0493	0.0468	0.0398	0.0227	0.0287	0.0283
	FILTERED	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Arsenic	ND	ND	ND	0.00342	0.0024	ND	ND	ND	ND
		Barium	0.209	0.189	0.0723	0.305	0.0641	0.128	0.0275	0.197	0.0517
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Calcium	24	28.4	82.5	26.1	84	47.7	77.9	50.3	50.4
		Chromium	0.00208	0.00202	ND	ND	ND	ND	ND	ND	ND
		Cobalt	ND	0.00739	ND	0.00663	0.0127	0.00255	ND	0.0218	ND
		Copper	0.00371	ND	ND	ND	ND	0.00276	ND	0.00203	ND
		Iron	ND	0.204	0.417	11.9	1.48	0.238	0.319	0.3	3.57
		Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Magnesium	9.48	20	29.4	31.2	71.6	34.4	22.3	38.9	17.2
		Manganese	0.022	0.3	0.0373	9.06	12.9	1.25	0.0294	13.8	3.12
		Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Nickel	0.00237	0.00694	0.0021	0.00556	0.0175	0.00474	0.00218	0.0072	ND
		Potassium	1.99	2.6	3.33	3.3	4.18	3.97	1.99	10	32
		Selenium	ND	ND	ND	0.00369	0.00767	ND	ND	ND	ND
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	41.8	15.5	17.5	72.2	47.3	90.6	19.4	59.7	42.3
		Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Zinc	0.0129	0.0122	ND	0.00521	0.0107	0.013	ND	0.0142	ND

ND: Not Detected
NS: Not Sampled

TABLE A - Filtered and Unfiltered Sampling Results for Metals

Parameter			Monitoring Well								
			MW-22A	MW-22B	MW-23A	MW-23B	MW-24A	MW-24B	Minimum	Maximum	Average
	UNFILTERED	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Arsenic	ND	0.00517	ND	ND	0.00532	0.0304	0.00265	0.0304	0.0086
		Barium	0.0228	0.0561	0.00267	0.0939	0.258	0.183	0.00267	0.488	0.1434
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	ND	ND	ND	ND	0.00242	0.0137	0.0081
		Calcium	110	109	16.4	14.7	64.2	105	3.79	170	69.3157
		Chromium	ND	0.0025	ND	ND	0.00305	ND	0.00216	0.0356	0.0081
		Cobalt	ND	ND	ND	ND	0.0525	0.0433	0.00301	0.597	0.0493
		Copper	ND	ND	ND	ND	ND	0.00516	0.002	0.303	0.0245
		Iron	4.69	2.13	0.61	0.977	22.3	44.8	0.252	44.8	5.9479
		Lead	ND	ND	ND	ND	ND	ND	0.0107	0.0146	0.0127
		Magnesium	30	26.5	18.6	12.6	56	77.6	1.74	126	40.4266
		Manganese	0.737	0.843	0.113	0.0734	6.31	3.49	0.00729	61.2	4.9071
		Mercury	ND	ND	ND	0.000698	ND	ND	0.000315	0.001303	0.0007
		Nickel	ND	0.00683	ND	ND	0.0247	0.0138	0.00212	0.0848	0.0172
		Potassium	4.45	9.51	1.44	2.71	3.94	3.68	0.832	55.3	6.5956
		Selenium	ND	0.00262	ND	ND	0.016	ND	0.00241	0.0163	0.0077
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	57.9	73.2	13.7	18.7	35.9	29.2	3.54	460	60.2136
		Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Vanadium	ND	ND	ND	ND	ND	ND	0.00654	0.0351	0.0202
		Zinc	0.0203	0.0025	0.00358	0.0262	0.00327	0.0184	0.00227	0.115	0.0284
	FILTERED	Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Arsenic	ND	0.00528	ND	ND	0.00518	0.0294	0.0023	0.0041	0.0031
		Barium	0.0183	0.0556	0.00253	0.0827	0.271	0.179	0.0074	0.4940	0.1491
		Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Cadmium	ND	ND	ND	ND	ND	ND	0.0025	0.0124	0.0074
		Calcium	103	103	16	11.4	64.3	102	2.5100	169.0000	70.0397
		Chromium	0.00385	0.00354	ND	0.00444	0.002	ND	0.0020	0.0080	0.0039
		Cobalt	ND	ND	ND	ND	0.051	0.0417	0.0029	0.6220	0.0654
		Copper	ND	ND	ND	ND	ND	ND	0.0025	0.1160	0.0225
		Iron	3.97	1.89	0.563	ND	22.2	43.9	0.2040	25.0000	4.0277
		Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Magnesium	30.6	25.2	18.3	11	55.8	73.3	1.1700	128.0000	40.1376
		Manganese	1.09	0.823	0.107	0.0541	6.29	3.44	0.0022	62.3000	5.7382
		Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Nickel	0.00382	0.00673	ND	ND	0.0237	0.0101	0.0021	0.0829	0.0151
		Potassium	4.43	9.33	1.46	2.64	3.94	3.1	0.6530	53.6000	6.0050
		Selenium	0.00251	0.00274	ND	ND	0.0205	0.00618	0.0023	0.0187	0.0071
		Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Sodium	71.9	84.5	13.5	18.9	36	27.7	3.1000	466.0000	61.4321
		Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND
		Vanadium	ND	ND	ND	ND	ND	ND	0.0026	0.0026	0.0026
		Zinc	ND	ND	0.00288	0.00519	0.00249	ND	0.0021	0.1010	0.0141

ND: Not Detected
NS: Not Sampled

Appendix E

Table of Groundwater Elevations and Groundwater Elevation Contour Map

Results in (ft. AMSL)

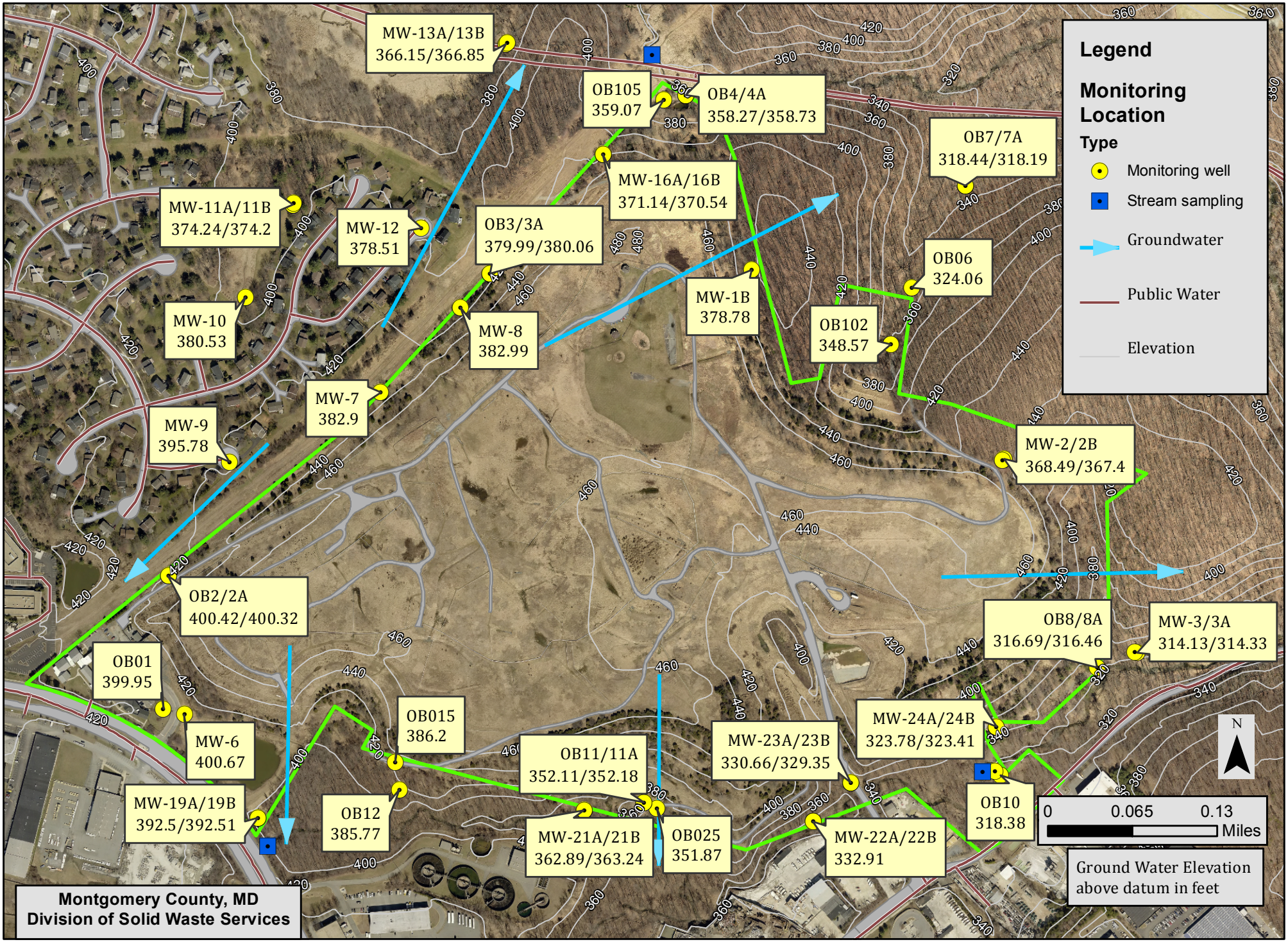
TABLE 5 - Water Table Elevations Gude Landfill

Monitoring Well	Well Elevation (ft)	Spring 2016 Water Elevation (ft)	Fall 2016 Water Elevation (ft)	Spring 2017 Water Elevation (ft)	Fall 2017 Water Elevation (ft)	Elevation Change From Spring 2017 (ft)	Fall 2017 Measured Water Elevation From Ground Level (ft)
OB01	415.90	401.84	399.96	399.10	399.95	0.9	15.95
OB02	418.72	403.28	400.73	399.79	400.42	0.6	18.30
OB02A	418.70	403.45	400.65	399.76	400.32	0.6	18.38
OB03	409.86	386.18	383.14	380.56	379.99	-0.6	29.87
OB03A	410.07	386.17	383.08	380.61	380.06	-0.6	30.01
OB04	364.21	359.42	358.41	358.65	358.27	-0.4	5.94
OB04A	365.37	360.06	359.06	359.21	358.73	-0.5	6.64
OB06	339.78	330.59	328.40	328.81	324.06	-4.8	15.72
OB07	329.38	322.50	319.66	320.50	318.44	-2.1	10.94
OB07A	328.44	321.96	319.20	320.18	318.19	-2.0	10.25
OB08	324.99	318.40	317.51	317.23	316.69	-0.5	8.30
OB08A	325.28	318.04	317.19	316.89	316.46	-0.4	8.82
OB10	325.77	318.85	318.29	318.50	318.38	-0.1	7.39
OB11	362.56	353.91	343.36	352.34	352.11	-0.2	10.45
OB11A	361.90	353.42	338.52	352.40	352.18	-0.2	9.72
OB12	405.01	388.54	395.39	386.78	385.77	-1.0	19.24
OB015	410.01	390.45	397.19	387.55	386.20	-1.4	23.81
OB025	361.89	354.17	357.97	352.21	351.87	-0.3	10.02
OB102	363.17	351.45	353.29	349.71	348.57	-1.1	14.60
OB105	363.24	360.39	354.02	359.64	359.07	-0.6	4.17
MW1B	434.00	383.79	383.44	381.07	378.78	-2.3	55.22
MW2A	445.53	374.97	375.27	371.55	368.49	-3.1	77.04
MW2B	444.45	374.59	375.40	371.18	367.40	-3.8	77.05
MW3A	324.54	315.45	314.59	314.69	314.13	-0.6	10.41
MW3B	324.73	317.07	316.30	315.56	314.33	-1.2	10.40
MW04	324.75	318.35	317.77	318.00	317.93	-0.1	6.82
MW06	417.29	402.76	400.77	399.84	400.67	0.8	16.62
MW07	433.81	388.37	386.13	383.42	382.90	-0.5	50.91
MW08	412.66	389.92	386.31	383.59	382.99	-0.6	29.67
MW09	417.69	400.05	397.19	396.30	395.78	-0.5	21.91
MW10	394.03	387.30	383.45	383.15	380.53	-2.6	13.50
MW11A	393.45	379.66	374.86	375.22	374.24	-1.0	19.21
MW11B	393.40	377.68	374.43	375.26	374.20	-1.1	19.20
MW12	397.55	383.77	380.33	379.40	378.51	-0.9	19.04
MW13A	373.37	367.52	366.02	366.72	366.15	-0.6	7.22
MW13B	373.35	368.24	366.87	367.41	366.85	-0.6	6.50
MW-16A	420.11				371.14		48.97
MW-16B	418.68				370.54		48.14
MW-19A	397.54				392.50		5.04
MW-19B	397.33				392.51		4.82
MW-21A	372.45				362.89		9.56
MW-21B	371.61				363.24		8.37
MW-22A	338.79				332.91		5.88
MW-22B	339.58				334.38		5.20
MW-23A	354.47				330.66		23.81
MW-23B	354.89				329.35		25.54
MW-24A	355.02				323.78		31.24
MW-24B	354.17				323.41		30.76
AVERAGE						**-0.9**	

NOTES: Elevations are from Sea Level

FALL 2017

General Groundwater Flow Direction at Gude Landfill - Fall 2017



Appendix F

Statistical Analysis

EA Project No. 14982.01

Topic: Statistical Analysis Summary: Fall 2017 Semi-Annual Groundwater Sampling
Gude Landfill, Montgomery County

Date: 30 November 2017

INTRODUCTION

EA Engineering, Science, and Technology, Inc., PBC (EA) performed statistical analysis for Gude Landfill groundwater monitoring data as a supplement to the Fall 2017 Semi-Annual Groundwater Monitoring Report. The purpose of this Technical Memorandum is to present the statistical trends in concentrations observed following the September 2017 sampling event. Statistical analysis was performed for wells within the Gude Landfill groundwater monitoring network using data collected from 2001 through September 2017, 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. Twelve (12) additional groundwater monitoring wells (MW-16A, MW-16B, MW-19A, MW-19B, MW-21A, MW-21B, MW-22A, MW-22B, MW-23A, MW-23B, MW-24A, and MW-24B) were installed in January through March 2017. 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

Fourteen (14) VOCs were identified as having increasing statistical trends, and eighteen (18) of the monitoring wells had one (1) or more VOCs with increasing statistical trends (Table 1). Thirteen (13) 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). Ten (10) VOCs (benzene; chlorobenzene; 1,1-dichloroethane; 1,2-dichloropropane; cis-1,2-dichloroethene; methylene chloride; tetrachloroethene; trans-1,2-dichloroethene; trichloroethene; vinyl chloride) had both decreasing and increasing trends. Four (4) VOCs had only increasing trends: 1,2-dichlorobenzene (OB03, OB11, OB11A); 1,2-dichloroethane (OB12); 1,4-dichlorobenzene (MW-7, OB03, OB03A, OB04, OB04A, OB08, OB08A, OB10, OB11, OB11A, OB12, OB105); and chloroform (MW-13A). Three (3) VOCs had only decreasing trends: chloroethane (OB03, OB03A); dichlorodifluoromethane (MW-13A, MW-13B, OB03, OB03A, OB04A, OB10, OB11, OB11A); and trichlorofluoromethane (OB11A).

Metals

Twenty-eight (28) metals (total and dissolved) were identified as having increasing statistical trends, and twenty-two (22) 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

Thirty (30) monitoring well locations were determined to have statistically increasing trends for one (1) or more general indicator parameters (Table 1), and twenty-nine (29) 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 included only OB03A this event.

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 September 2017)

	GROUNDWATER MONITORING WELL LOCATIONS																														
Parameter	MW-2A	MW-2B	MW-4	MW-6	MW-7	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			
1,2-Dichloropropane																												X			
1,4-Dichlorobenzene					X											X	X	X	X				X	X	X	X	X	X			X
Benzene																		X	X									X			
Chlorobenzene																		X	X	X			X	X	X			X		X	
Chloroform												X																			
cis-1,2-Dichloroethene					X					X											X		X		X			X	X		X
Methylene Chloride																		X													
Tetrachloroethene										X																					
trans-1,2-Dichloroethene																												X			
Trichloroethene										X																					
Vinyl Chloride																			X						X		X				
Arsenic, dissolved																X	X			X				X							
Arsenic, total																			X												
Barium, dissolved				X										X	X			X	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	X			
Chromium, dissolved					X		X																								
Cobalt, dissolved				X	X																				X		X				
Cobalt, total				X	X									X									X	X	X						X
Copper, total																		X	X												
Iron, dissolved																								X			X				
Iron, total															X																
Magnesium, dissolved				X										X	X				X						X	X	X				
Magnesium, total				X						X				X	X				X		X				X	X	X				
Manganese, dissolved				X	X													X	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																					X		X				
Nickel, total														X	X			X	X						X	X				X	X
Potassium, dissolved																													X	X	
Potassium, total														X																X	
Selenium, dissolved																											X		X		
Selenium, total																		X	X	X	X	X				X	X			X	
Sodium, dissolved				X	X									X	X					X					X	X	X		X		
Sodium, total				X	X									X	X					X					X	X					X
Vanadium, dissolved										X																					
Alkalinity					X														X	X	X					X	X	X			X
Ammonia Nitrogen																		X						X						X	X
Chloride			X	X	X		X		X	X		X	X	X	X	X		X	X	X	X	X	X		X	X	X	X	X		
Dissolved Oxygen, Field	X																														
Hardness	X	X												X				X	X	X	X				X	X		X			
Nitrate			X						X	X			X	X	X																
Nitrate+Nitrite			X						X				X	X	X																
Specific Conductivity, Field				X										X					X	X						X	X		X		X
Sulfate, total			X		X	X		X			X		X							X	X	X	X			X					

Notes:
1. Monitoring wells MW-1B, MW-3A, MW-3B, OB02, and OB015 had no parameters with increasing trends
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.

Table 2
Gude Landfill Groundwater Monitoring Data
Chemical Constituents with Statistically Significant Decreasing Trends
(2001 through September 2017)

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

Notes:
1. Monitoring wells MW-2A, MW-11B, and OB07 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.