



DEPARTMENT OF ENVIRONMENTAL PROTECTION

Isiah Leggett  
*County Executive*

Robert Hoyt  
*Director*

December 30, 2013

Mr. Edward M. Dexter, Program Administrator  
Solid Waste Programs  
Maryland Department of the Environment  
1800 Washington Boulevard  
Baltimore, Maryland 21230

Dear Mr. Dexter:

This report provides a summary of the results of water quality monitoring performed at the Oaks Solid Waste Landfill for the semiannual period from April 2013 to October 2013 as required by Code of Maryland Regulations (COMAR) 26.04.07.22 , COMAR 26.04.07.21E(5), COMAR 26.04.07.21E(5a), and the Code of Federal Regulations 40 CFR 258.

To comply with these requirements, the County collects water samples at 27 groundwater monitoring wells and two stream locations semiannually. The landfill site is also monitored for methane gas from the 27 groundwater wells and also from 21 methane gas monitoring wells. The results of methane gas monitoring from the 27 groundwater wells are included in this report but the results for the 21 methane gas monitoring are reported to Maryland Department of the Environment (MDE) under a separate report.

Data collected during this reporting period represents typical seasonal fluctuations in water quality with respect to monitored parameters for this landfill. Based on the sampling results obtained during this reporting period, there are no indications of any environmental consequences that would require special attention. Overall, results obtained for this reporting period are consistent with historical monitoring results in terms of the type, location, and concentrations of pollutants. The following is a summary of monitoring results obtained from the latest semiannual monitoring activities performed in October 2013.

**Office of the Director**

➤ **VOLATILE ORGANIC COMPOUNDS:**

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

- Compared to previous monitoring results, the number of VOCs detected during this monitoring period shows an increase from two to six samples containing concentrations above the recommended Maximum Contamination Level (MCL) established by the National Primary Drinking Water Standards. The compounds detected and the monitoring locations of the six detections are similar and consistent with historical trends.
- The average water levels in all monitoring wells during the latest monitoring event shows a decrease in water table levels of 3.16 ft. compared to measurements obtained in April 2013. The general trend over the years have been that during periods when the water table is low, the number and concentrations of contaminants increase and when the water table recovers, the number and concentrations of detected VOCs decrease.
- Consistent with prior results relative to monitoring locations and the type of detected VOCs, the MCL exceedances were detected in monitoring wells MW06 (two exceedances), MW07 (one exceedance), and MW23 (three exceedances). The VOCs concentrations exceeding the recommended MCLs include:
  - **Tetrachloroethene** concentration exceeded the MCL of 5 ug/l in monitoring wells MW06 at 14.0 ug/l, in MW07 at 5.41 ug/l, and in MW23 at 28.9 ug/l.
  - **Dichloromethane** (methylene chloride) concentration exceeded the MCL of 5 ug/l in monitoring wells MW06 at 5.85 ug/l and in MW23 at 13.3 ug/l.
  - **Trichloroethene** concentration exceeded the MCL of 5 ug/l in monitoring well MW23 at 10.5 ug/l.
- The previous monitoring periods included two MCL exceedances for the Spring 2013 and seven exceedances for the Fall 2012. (Note that there are no domestic drinking water wells in the vicinity of this site.)

➤ **ELEMENTS AND INDICATORS:**

- For this reporting period, none of the metals analyses exceeded the recommended Maximum Contamination Levels (MCL) contained in National Primary Drinking Water Regulations in any of the monitoring sites.

➤ **METHANE GAS:**

- Methane gas has not been detected at any of the water monitoring wells during this reporting period.

➤ **GROUNDWATER ELEVATION:**

- Due to typical seasonal precipitation fluctuations for this area, the average water levels in the monitoring wells during this latest monitoring event shows a decrease of 3.16 ft. compared to measurements obtained in April 2013. As mentioned above, the general

- trend over the past several years is that during periods when the water table is low, the number and concentrations of contaminants increase and when the water table recovers, the number and concentrations decrease.

Based on the data and information collected and processed for this reporting period, there are no indications of any uncharacteristic results and therefore no further actions are recommended. The County continues to closely monitor the presence contaminants and will notify MDE prior to the next report in the event a detection is found to be significantly different or unexpected from previous levels that cannot be explained by water table variations.

Please contact Nasser Kamazani (Senior Environmental Engineer) at (240) 777-7717 with any questions about this report.

Sincerely,

A handwritten signature in black ink that reads "David Lake". The signature is written in a cursive style with a large initial "D".

David Lake, Manager  
Water and Wastewater Policy Group

cc: Robert Hoyt, Director,  
Department of Environmental Protection

Dan Locke, Chief, Division of Solid Waste Services,  
Department of Environmental Protection

**WATER QUALITY AND METHANE  
MONITORING REPORT**

**for**

**OAKS LANDFILL**

**Montgomery County, Maryland**

**FALL 2013**

**Report Period: April 2013 through October 2013**

**Prepared by Montgomery County Department of Environmental Protection**

**Prepared for Maryland Department of Environment, Solid Waste Program**

**December 30, 2013**

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## Introduction

The County Department of Environmental Protection (DEP) operates a groundwater monitoring program for the Oaks Landfill (closed as of 1997). To monitor the quality of ground and surface water, DEP samples twenty-seven groundwater observation wells and two surface water stations on a semiannual basis. Locations of these wells can be found on the aerial photo marked *Oaks Landfill Sampling Locations* in Appendix A. Parameters measured or analyzed include: field parameters (temperature, pH, conductivity), and MDE Table 1 and 2 (Volatile Organic Compounds) and Table 3 and 4 (Elements and Indicator Parameters) analyses.

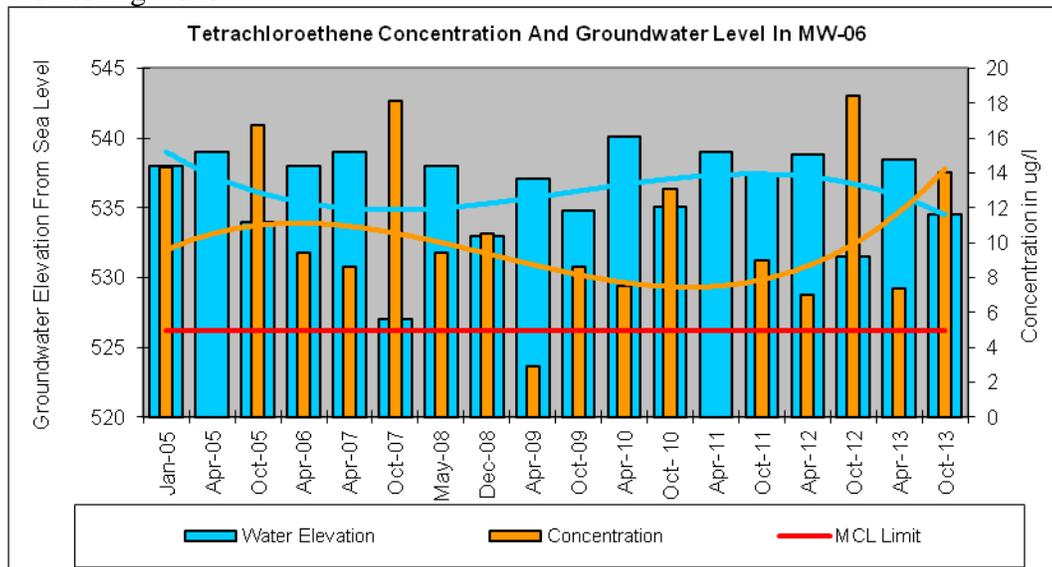
This report is organized into five sections, which discuss the results and observations based on the landfill water quality monitoring program. The five sections include a discussion of:

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

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

### 1. Volatile Organic Chemical Sampling Results

The trends observed in recent years regarding the concentration changes of VOCs in groundwater which were reported in prior reports including the last report (Spring 2013) continue to be observed. The general trend over the past several years is that during periods when the water table is low, concentrations of contaminants increase. When the water table recovers due to infiltration of precipitation (usually with a two to three month lag), the contaminants concentration decrease. This correlation between contaminant concentrations and water level fluctuations in monitoring wells has been depicted in the following graph. Similar trends have been observed in other monitoring wells.



Changes from the last report include the following:

- Compared to previous monitoring results, the number of VOCs detected during this monitoring period shows an increase from two to six samples containing concentrations above the recommended Maximum Contamination Level (MCL) established by the National Primary Drinking Water Standards. The compounds detected and the monitoring locations of the two detections are similar and consistent with historical trends.
- The average water levels in the monitoring wells during the latest monitoring event shows a decrease in water table levels of 3.16 ft. compared to measurements obtained in April 2013. The general trend over the years have been that during periods when the water table is low, the number and concentrations of contaminants increase and when the water table recovers, the number and concentrations of detected VOCs decrease.
- For this reporting period, six VOC compounds exceeded the recommended MCL.
- Consistent with prior results relative to monitoring locations and the type of detected VOCs, the MCL exceedances were detected in MW06 with two MCL exceedances, in MW07 with one exceedance, and in MW23 with three MCL exceedances. The VOCs concentrations exceeding the recommended MCLs include:
  - **Tetrachloroethene** concentration exceeded the MCL of 5 ug/l in monitoring wells MW06 at 14.0 ug/l, in MW07 at 5.41 ug/l, and in MW23 at 28.9 ug/l.
  - **Dichloromethane** (methylene chloride) concentration exceeded the MCL of 5 ug/l in monitoring wells MW06 at 5.85 ug/l and in MW23 at 13.3 ug/l.
  - **Trichloroethene** concentration exceeded the MCL of 5 ug/l in monitoring well MW23 at 10.5 ug/l.
- The previous monitoring periods included two MCL exceedances for the Spring-2013 and seven exceedances for Fall-2012. (Note that there are no domestic drinking water wells in the vicinity of this site.)
- Seven samples containing 1,1-Dichloroethane concentrations were detected in MW-02 at 1.17 ug/l, in MW-06 at 4.03 ug/l, in MW-07 at 7.88, in MW-14 at 1.09 ug/l, in MW-17 at 1.13 ug/l, in MW-22 at 1.24 ug/l, and in MW-23 at 7.97 ug/l. There are no MCL established for this compound.
- Six samples containing cis-1,2-Dichloroethane concentrations below the MCL of 70 ug/l were detected at MW-05 at 1.98 ug/l, in MW-06 at 8.79 ug/l, in MW-07 at 7.16 ug/l, in MW-22 at 2.59, in MW-22 at 2.59 ug/l, and in MW-23 at 18.8 ug/l.

- Six samples containing Tetrachloroethene concentrations below the MCL of 5 ug/l were detected in monitoring wells MW-02 at 1.98 ug/l, in MW05 at 2.56 ug/l, in MW-14 at 1.03 ug/l, in MW-17 at 1.93 ug/l, and in monitoring MW-22 at 3.75 ug/l.
- Seven samples containing Trichloroethene concentrations below the MCL of 5 ug/l were detected in MW-05 at 1.4 ug/l, MW-06 at 4.46 ug/l, in MW07 at 2.87 ug/l, MW-16 at 1.75 ug/l, in MW-17 at 1.16 ug/l, and in MW-22 at 1.52 ug/l.

Results and additional information for all of the VOCs can be found in Appendix B. Table 1 contains the results from the October 2013 sampling event. Table 2 shows the monitoring results for the past several years.

## **2. Metals Sampling Results**

For this reporting period, none of the metals analyses exceeded the recommended Maximum Contamination Levels (MCL) contained in National Primary Drinking Water Regulations in any of the monitoring sites.

Similar to previous analyses, trace concentrations (concentration below reliable detection limit and the EPA MCL) for lead, mercury, and other metals were detected in some of the monitoring wells.

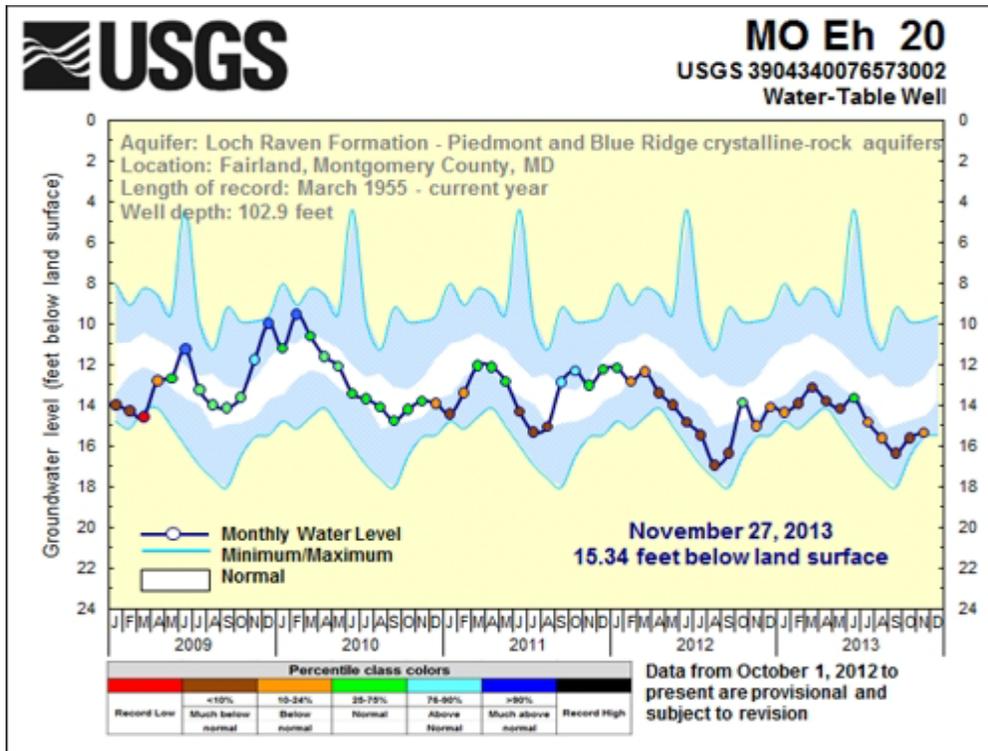
In order to evaluate the groundwater turbidity and its potential interferences to metals analysis, the County collected filtered and unfiltered groundwater samples for each monitoring well. The metals analysis conducted on filtered and unfiltered samples indicate insignificant reductions in concentrations for most of metals in filtered samples. Please refer to Table-A, Appendix D (Table of Metals) of this report for additional information on filtered and unfiltered sampling results for metals.

Overall, the results indicate comparable concentrations for metals from the last reporting period. Laboratory results for these metals are included in Appendix D, Table-3 of this report.

## **3. Groundwater Elevations and Flow**

As shown in Appendix E, Groundwater elevations at the Oaks Landfill monitoring wells have decreased by an average of 3.16 ft. compared to measurements obtained in Spring-2013. Please refer to Appendix E of this report for additional information. As indicated in prior reports the groundwater elevations at the Oaks Landfill have stabilized and the fluctuations generally appear to follow the trends observed in the surrounding areas as indicted in the following USGS figures from observation well MO-Eh-20 in Montgomery County.

As mentioned previously, the general trend over the past several years is that during periods when the water table is low, the number and concentrations of contaminants increase and when the water table recovers, the number and concentrations decrease.



A table of groundwater elevations, a map of the resultant groundwater table contours and the direction of flow is included in Appendix E.

#### 4. METHANE GAS:

Methane gas has not been detected at any of the groundwater monitoring wells during this reporting period. Tables of Methane gas monitoring results can be found in Appendix F.

#### 5. Conclusions/Trend Analysis

Most of the trends observed for the past several years indicate that the landfill is having a minimal impact on groundwater quality. There have however, been some limited changes occurring in the groundwater. The general trend over the years is that during periods when the water table is low, concentrations of contaminants increase and when the water table recovers, the concentrations decrease. The explanation for this appears to be related to the local hydrogeologic regime and related physical and chemical interactions.

It is hypothesized that lower water tables result in a decrease in pH due to the lower percentage of clays present deeper in the saprolitic column. This decrease in pH both increases the capacity for dissolving and carrying metals, and decreases the speed at which chemical reactions occur that degrade VOCs.

Overlaid on this pattern has been the flattening out of the groundwater gradient under the landfill due to capping in 2001 and the cessation of operations in 1997, as well as

the lack of groundwater consumption by neighbors due to the provision of public water in 1990s. As a result of this, there have been some minor changes in flow patterns and resultant chemical concentrations associated with the area wide groundwater elevation changes. A review of the more recent data at the Oaks Landfill would indicate that most of the detected VOCs involve chlorinated solvent degradation products including Tetrachloroethene, Trichloroethene, 1,1-Dichloroethane, cis-1,2-Dichloroethene, and Dichloromethane in the northwest quadrant of the landfill where MW-06, MW-07, MW-22, MW-23 are located.

For this reporting period, concentration trends and some statistical analysis were performed for some of the above VOCs. A summary of this analysis is provided in Appendix C of this report.

Since the detection of VOCs around the northwest quadrant of the landfill in the early 1990's, and methane exceedences in 1999, the County has been regularly sampling the groundwater to monitor the concentrations of these substances to meet regulatory requirements in the vicinity of the landfill. The County continues to closely monitor the presence of VOCs and methane gas, and will notify MDE prior to next report in the event a detection is found to be significantly different from prior observations and historical trends, that cannot be explained by water table fluctuations.

## **Appendix A**

# **Oaks Landfill Aerial Photo and Sample Locations**

# Oaks Landfill Monitoring Well Locations



# **Appendix B**

## **Tables of Volatile Organic Compounds**

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

# TABLE 1: Volatile Organic Compounds

Parameter	Detection Limit	Units	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06
1,1,1,2-Tetrachloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	ug/L	ND	1.17	ND	ND	ND	4.03
1,1-Dichloroethene	1	ug/L	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ug/L	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1	ug/L	ND	ND	ND	ND	ND	ND
2-Butanone	5	ug/L	ND	ND	ND	ND	ND	ND
2-Hexanone	5	ug/L	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	ug/L	ND	ND	ND	ND	ND	ND
Acetone	5	ug/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	5	ug/L	ND	ND	ND	ND	ND	ND
Benzene	1	ug/L	ND	ND	ND	ND	ND	ND
Bromochloromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Bromoform	1	ug/L	ND	ND	ND	ND	ND	ND
Bromomethane	1	ug/L	ND	ND	ND	ND	ND	ND
Carbon disulfide	1	ug/L	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1	ug/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	ug/L	ND	ND	ND	ND	ND	ND
Chloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
Chloroform	1	ug/L	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1	ug/L	ND	ND	ND	ND	1.98	8.79
cis-1,3-Dichloropropene	1	ug/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Dibromomethane	1	ug/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	ug/L	ND	ND	ND	ND	ND	ND
Methyl Chloride	1	ug/L	ND	ND	ND	ND	ND	ND
Methyl Iodide	1	ug/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1	ug/L	ND	ND	ND	ND	ND	5.85
Methyl-tert-butyl ether	2	ug/L	ND	ND	ND	ND	ND	ND
Styrene	1	ug/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ug/L	ND	1.98	ND	ND	2.56	14
Toluene	1	ug/L	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1	ug/L	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1	ug/L	ND	ND	ND	ND	ND	ND
Trans-1,4-dichloro-2-butene	5	ug/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1	ug/L	ND	1.08	ND	ND	1.4	4.46
Trichlorofluoromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Vinyl acetate	1	ug/L	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	ug/L	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1	ug/L	ND	ND	ND	ND	ND	ND

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

# TABLE 1: Volatile Organic Compounds

Parameter	Detection Limit	Units	MW-07	MW-08	MW-09	MW-10	MW-11	MW-12
1,1,1,2-Tetrachloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	ug/L	7.88	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ug/L	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ug/L	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1	ug/L	ND	ND	ND	ND	ND	ND
2-Butanone	5	ug/L	ND	ND	ND	ND	ND	ND
2-Hexanone	5	ug/L	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	ug/L	ND	ND	ND	ND	ND	ND
Acetone	5	ug/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	5	ug/L	ND	ND	ND	ND	ND	ND
Benzene	1	ug/L	ND	ND	ND	ND	ND	ND
Bromochloromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Bromoform	1	ug/L	ND	ND	ND	ND	ND	ND
Bromomethane	1	ug/L	ND	ND	ND	ND	ND	ND
Carbon disulfide	1	ug/L	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1	ug/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	ug/L	ND	ND	ND	ND	ND	ND
Chloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
Chloroform	1	ug/L	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1	ug/L	7.16	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	1	ug/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Dibromomethane	1	ug/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	ug/L	ND	ND	ND	ND	ND	ND
Methyl Chloride	1	ug/L	ND	ND	ND	ND	ND	ND
Methyl Iodide	1	ug/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1	ug/L	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	2	ug/L	ND	ND	ND	ND	ND	ND
Styrene	1	ug/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ug/L	5.41	ND	ND	ND	ND	ND
Toluene	1	ug/L	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1	ug/L	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1	ug/L	ND	ND	ND	ND	ND	ND
Trans-1,4-dichloro-2-butene	5	ug/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1	ug/L	2.87	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Vinyl acetate	1	ug/L	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	ug/L	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1	ug/L	ND	ND	ND	ND	ND	ND

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

# TABLE 1: Volatile Organic Compounds

Parameter	Detection Limit	Units	MW-13	MW-14	MM-15	MW-16	MW-17	MW-18A
1,1,1,2-Tetrachloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	ug/L	ND	1.09	ND	ND	1.13	ND
1,1-Dichloroethene	1	ug/L	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ug/L	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1	ug/L	ND	ND	ND	ND	ND	ND
2-Butanone	5	ug/L	ND	ND	ND	ND	ND	ND
2-Hexanone	5	ug/L	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	ug/L	ND	ND	ND	ND	ND	ND
Acetone	5	ug/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	5	ug/L	ND	ND	ND	ND	ND	ND
Benzene	1	ug/L	ND	ND	ND	ND	ND	ND
Bromochloromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Bromoform	1	ug/L	ND	ND	ND	ND	ND	ND
Bromomethane	1	ug/L	ND	ND	ND	ND	ND	ND
Carbon disulfide	1	ug/L	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1	ug/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	ug/L	ND	ND	ND	ND	ND	ND
Chloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
Chloroform	1	ug/L	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1	ug/L	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	1	ug/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Dibromomethane	1	ug/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	ug/L	ND	ND	ND	ND	ND	ND
Methyl Chloride	1	ug/L	ND	ND	ND	ND	ND	ND
Methyl Iodide	1	ug/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1	ug/L	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	2	ug/L	ND	ND	ND	ND	ND	ND
Styrene	1	ug/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ug/L	ND	1.03	ND	ND	1.93	ND
Toluene	1	ug/L	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1	ug/L	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1	ug/L	ND	ND	ND	ND	ND	ND
Trans-1,4-dichloro-2-butene	5	ug/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1	ug/L	ND	ND	ND	1.75	1.16	ND
Trichlorofluoromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Vinyl acetate	1	ug/L	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	ug/L	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1	ug/L	ND	ND	ND	ND	ND	ND

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

# TABLE 1: Volatile Organic Compounds

Parameter	Detection Limit	Units	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24
1,1,1,2-Tetrachloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	ug/L	ND	ND	ND	1.24	7.97	ND
1,1-Dichloroethene	1	ug/L	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ug/L	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1	ug/L	ND	ND	ND	ND	ND	ND
2-Butanone	5	ug/L	ND	ND	ND	ND	ND	ND
2-Hexanone	5	ug/L	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	ug/L	ND	ND	ND	ND	ND	ND
Acetone	5	ug/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	5	ug/L	ND	ND	ND	ND	ND	ND
Benzene	1	ug/L	ND	ND	ND	ND	ND	ND
Bromochloromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Bromoform	1	ug/L	ND	ND	ND	ND	ND	ND
Bromomethane	1	ug/L	ND	ND	ND	ND	ND	ND
Carbon disulfide	1	ug/L	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1	ug/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	ug/L	ND	ND	ND	ND	ND	ND
Chloroethane	1	ug/L	ND	ND	ND	ND	ND	ND
Chloroform	1	ug/L	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1	ug/L	ND	ND	ND	2.59	18.8	1.04
cis-1,3-Dichloropropene	1	ug/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Dibromomethane	1	ug/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	ug/L	ND	ND	ND	ND	ND	ND
Methyl Chloride	1	ug/L	ND	ND	ND	ND	ND	ND
Methyl Iodide	1	ug/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1	ug/L	ND	ND	ND	ND	13.3	ND
Methyl-tert-butyl ether	2	ug/L	ND	ND	ND	ND	ND	ND
Styrene	1	ug/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ug/L	ND	ND	ND	3.75	28.9	1.99
Toluene	1	ug/L	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1	ug/L	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1	ug/L	ND	ND	ND	ND	ND	ND
Trans-1,4-dichloro-2-butene	5	ug/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1	ug/L	ND	ND	ND	4.52	10.5	ND
Trichlorofluoromethane	1	ug/L	ND	ND	ND	ND	ND	ND
Vinyl acetate	1	ug/L	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	ug/L	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1	ug/L	ND	ND	ND	ND	ND	ND

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

# TABLE 1: Volatile Organic Compounds

Parameter	Detection Limit	Units	MW-25	MW-26	MW-27	SW-20	SW-30
1,1,1,2-Tetrachloroethane	1	ug/L	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1	ug/L	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ug/L	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ug/L	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	ug/L	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ug/L	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1	ug/L	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	1	ug/L	ND	ND	ND	ND	ND
1,2-Dibromoethane	1	ug/L	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1	ug/L	ND	ND	ND	ND	ND
1,2-Dichloroethane	1	ug/L	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ug/L	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1	ug/L	ND	ND	ND	ND	ND
2-Butanone	5	ug/L	ND	ND	ND	ND	ND
2-Hexanone	5	ug/L	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	ug/L	ND	ND	ND	ND	ND
Acetone	5	ug/L	ND	ND	ND	ND	ND
Acrylonitrile	5	ug/L	ND	ND	ND	ND	ND
Benzene	1	ug/L	ND	ND	ND	ND	ND
Bromochloromethane	1	ug/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	ug/L	ND	ND	ND	ND	ND
Bromoform	1	ug/L	ND	ND	ND	ND	ND
Bromomethane	1	ug/L	ND	ND	ND	ND	ND
Carbon disulfide	1	ug/L	ND	ND	ND	ND	ND
Carbon Tetrachloride	1	ug/L	ND	ND	ND	ND	ND
Chlorobenzene	1	ug/L	ND	ND	ND	ND	ND
Chloroethane	1	ug/L	ND	ND	ND	ND	ND
Chloroform	1	ug/L	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1	ug/L	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	1	ug/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	ug/L	ND	ND	ND	ND	ND
Dibromomethane	1	ug/L	ND	ND	ND	ND	ND
Ethylbenzene	1	ug/L	ND	ND	ND	ND	ND
Methyl Chloride	1	ug/L	ND	ND	ND	ND	ND
Methyl Iodide	1	ug/L	ND	ND	ND	ND	ND
Methylene chloride	1	ug/L	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	2	ug/L	ND	ND	ND	ND	ND
Styrene	1	ug/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	ug/L	ND	ND	ND	ND	ND
Toluene	1	ug/L	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1	ug/L	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1	ug/L	ND	ND	ND	ND	ND
Trans-1,4-dichloro-2-butene	5	ug/L	ND	ND	ND	ND	ND
Trichloroethene	1	ug/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	ug/L	ND	ND	ND	ND	ND
Vinyl acetate	1	ug/L	ND	ND	ND	ND	ND
Vinyl Chloride	1	ug/L	ND	ND	ND	ND	ND
Xylenes (Total)	1	ug/L	ND	ND	ND	ND	ND

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

## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-01	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-01	1,1,1-Trichloroethane	ug/L	ND																			
MW-01	1,1,2,2-Tetrachloroethane	ug/L	ND	1.52	ND																	
MW-01	1,1,2-Trichloroethane	ug/L	ND																			
MW-01	1,1-Dichloroethane	ug/L	ND																			
MW-01	1,1-Dichloroethene	ug/L	ND																			
MW-01	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-01	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-01	1,2-Dibromoethane	ug/L	ND																			
MW-01	1,2-Dichlorobenzene	ug/L	ND	1.86	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-01	1,2-Dichloroethane	ug/L	ND																			
MW-01	1,2-Dichloropropane	ug/L	ND																			
MW-01	1,4-Dichlorobenzene	ug/L	ND	2	ND																	
MW-01	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-01	2-Hexanone	ug/L	ND	NT	NT	NT	1.78	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-01	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	2.01	NT	ND	ND	ND	ND	ND	ND
MW-01	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-01	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-01	Benzene	ug/L	ND																			
MW-01	Bromochloromethane	ug/L	ND	NT	ND																	
MW-01	Bromodichloromethane	ug/L	ND																			
MW-01	Bromoform	ug/L	ND																			
MW-01	Bromomethane	ug/L	ND																			
MW-01	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-01	Carbon Tetrachloride	ug/L	ND																			
MW-01	Chlorobenzene	ug/L	ND																			
MW-01	Chloroethane	ug/L	ND																			
MW-01	Chloroform	ug/L	ND																			
MW-01	cis-1,2-Dichloroethene	ug/L	ND																			
MW-01	cis-1,3-Dichloropropene	ug/L	ND																			
MW-01	Dibromochloromethane	ug/L	ND																			
MW-01	Dibromomethane	ug/L	ND																			
MW-01	Ethylbenzene	ug/L	ND																			
MW-01	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-01	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-01	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-01	ortho-Xylene	ug/L	ND																			
MW-01	para-Xylene & meta-Xylene	ug/L	ND																			
MW-01	Styrene	ug/L	ND																			
MW-01	Tetrachloroethene	ug/L	ND																			
MW-01	Toluene	ug/L	ND																			
MW-01	trans-1,2-Dichloroethene	ug/L	ND																			
MW-01	trans-1,3-Dichloropropene	ug/L	ND																			
MW-01	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-01	Trichloroethene	ug/L	ND																			
MW-01	Trichlorofluoromethane	ug/L	ND																			
MW-01	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-01	Vinyl Chloride	ug/L	ND																			

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	
MW-02	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND													
MW-02	1,1,1-Trichloroethane	ug/L	ND																				
MW-02	1,1,2,2-Tetrachloroethane	ug/L	ND	1.77	ND																		
MW-02	1,1,2-Trichloroethane	ug/L	ND																				
MW-02	1,1-Dichloroethane	ug/L	ND	0.55	1.22	ND	1.42	1.09	1.17														
MW-02	1,1-Dichloroethene	ug/L	ND																				
MW-02	1,2,3-Trichloropropane	ug/L	ND	NT	ND																		
MW-02	1,2-Dibromo-3-chloropropane	ug/L	1.2	ND																			
MW-02	1,2-Dibromoethane	ug/L	ND																				
MW-02	1,2-Dichlorobenzene	ug/L	ND	1.8	NT	ND	NT	ND	ND	ND	ND	ND	ND										
MW-02	1,2-Dichloroethane	ug/L	ND																				
MW-02	1,2-Dichloropropane	ug/L	ND																				
MW-02	1,4-Dichlorobenzene	ug/L	ND	2.01	ND																		
MW-02	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND							
MW-02	2-Hexanone	ug/L	ND	NT	NT	NT	2.04	ND	ND	NT	ND	ND	ND	ND	ND	ND							
MW-02	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	
MW-02	Acetone	ug/L	ND	NT	NT	NT	NT	ND															
MW-02	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	
MW-02	Benzene	ug/L	ND																				
MW-02	Bromochloromethane	ug/L	ND	NT	ND																		
MW-02	Bromodichloromethane	ug/L	ND																				
MW-02	Bromoform	ug/L	ND																				
MW-02	Bromomethane	ug/L	ND																				
MW-02	Carbon disulfide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND							
MW-02	Carbon Tetrachloride	ug/L	ND																				
MW-02	Chlorobenzene	ug/L	ND																				
MW-02	Chloroethane	ug/L	ND																				
MW-02	Chloroform	ug/L	ND																				
MW-02	cis-1,2-Dichloroethene	ug/L	ND																				
MW-02	cis-1,3-Dichloropropene	ug/L	ND																				
MW-02	Dibromochloromethane	ug/L	ND																				
MW-02	Dibromomethane	ug/L	ND																				
MW-02	Ethylbenzene	ug/L	ND																				
MW-02	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND							
MW-02	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND							
MW-02	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND									
MW-02	ortho-Xylene	ug/L	ND																				
MW-02	para-Xylene & meta-Xylene	ug/L	ND																				
MW-02	Styrene	ug/L	ND																				
MW-02	Tetrachloroethene	ug/L	1.83	ND	1.14	1.83	1.26	1.5	1.43	ND	1.33	1.42	1.07	1.52	1.79	ND	ND	2	1.1	2.61	1.86	1.98	
MW-02	Toluene	ug/L	ND																				
MW-02	trans-1,2-Dichloroethene	ug/L	ND																				
MW-02	trans-1,3-Dichloropropene	ug/L	ND																				
MW-02	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND							
MW-02	Trichloroethene	ug/L	ND	0.64	0.58	ND	1.03	1.03	1.08														
MW-02	Trichlorofluoromethane	ug/L	ND																				
MW-02	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND	
MW-02	Vinyl Chloride	ug/L	ND																				

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-03	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-03	1,1,1-Trichloroethane	ug/L	ND																			
MW-03	1,1,2,2-Tetrachloroethane	ug/L	ND	1.74	ND																	
MW-03	1,1,2-Trichloroethane	ug/L	ND																			
MW-03	1,1-Dichloroethane	ug/L	ND	1.11	ND																	
MW-03	1,1-Dichloroethene	ug/L	ND																			
MW-03	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-03	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-03	1,2-Dibromoethane	ug/L	ND																			
MW-03	1,2-Dichlorobenzene	ug/L	ND	1.86	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-03	1,2-Dichloroethane	ug/L	ND																			
MW-03	1,2-Dichloropropane	ug/L	ND																			
MW-03	1,4-Dichlorobenzene	ug/L	ND	1.95	ND																	
MW-03	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-03	2-Hexanone	ug/L	ND	NT	NT	NT	2.19	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-03	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-03	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-03	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-03	Benzene	ug/L	ND																			
MW-03	Bromochloromethane	ug/L	ND	NT	ND																	
MW-03	Bromodichloromethane	ug/L	ND																			
MW-03	Bromoform	ug/L	ND																			
MW-03	Bromomethane	ug/L	ND	0.53	ND																	
MW-03	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-03	Carbon Tetrachloride	ug/L	ND																			
MW-03	Chlorobenzene	ug/L	ND																			
MW-03	Chloroethane	ug/L	ND																			
MW-03	Chloroform	ug/L	ND	0.71	ND	1.23	ND	ND														
MW-03	cis-1,2-Dichloroethene	ug/L	ND	1.14	ND																	
MW-03	cis-1,3-Dichloropropene	ug/L	ND																			
MW-03	Dibromochloromethane	ug/L	ND																			
MW-03	Dibromomethane	ug/L	ND																			
MW-03	Ethylbenzene	ug/L	ND																			
MW-03	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-03	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-03	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-03	ortho-Xylene	ug/L	ND																			
MW-03	para-Xylene & meta-Xylene	ug/L	ND																			
MW-03	Styrene	ug/L	ND																			
MW-03	Tetrachloroethene	ug/L	ND	3.53	ND																	
MW-03	Toluene	ug/L	ND																			
MW-03	trans-1,2-Dichloroethene	ug/L	ND																			
MW-03	trans-1,3-Dichloropropene	ug/L	ND																			
MW-03	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-03	Trichloroethene	ug/L	ND	1.28	ND																	
MW-03	Trichlorofluoromethane	ug/L	ND																			
MW-03	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-03	Vinyl Chloride	ug/L	ND																			

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 NT: Not Tested  
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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-04	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-04	1,1,1-Trichloroethane	ug/L	ND																			
MW-04	1,1,2,2-Tetrachloroethane	ug/L	ND	1.78	ND																	
MW-04	1,1,2-Trichloroethane	ug/L	ND																			
MW-04	1,1-Dichloroethane	ug/L	ND																			
MW-04	1,1-Dichloroethene	ug/L	ND																			
MW-04	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-04	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-04	1,2-Dibromoethane	ug/L	ND																			
MW-04	1,2-Dichlorobenzene	ug/L	ND	1.89	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-04	1,2-Dichloroethane	ug/L	ND																			
MW-04	1,2-Dichloropropane	ug/L	ND																			
MW-04	1,4-Dichlorobenzene	ug/L	ND	ND	1.03	ND	2.04	ND														
MW-04	2-Butanone	ug/L	1.01	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-04	2-Hexanone	ug/L	ND	NT	NT	NT	2.06	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-04	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-04	Acetone	ug/L	ND	NT	NT	NT	NT	9.1	ND													
MW-04	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-04	Benzene	ug/L	ND	6.7	ND	ND	ND	ND	ND													
MW-04	Bromochloromethane	ug/L	ND	NT	ND																	
MW-04	Bromodichloromethane	ug/L	ND																			
MW-04	Bromoform	ug/L	ND																			
MW-04	Bromomethane	ug/L	ND																			
MW-04	Carbon disulfide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	14	ND	ND	ND	ND						
MW-04	Carbon Tetrachloride	ug/L	ND																			
MW-04	Chlorobenzene	ug/L	ND																			
MW-04	Chloroethane	ug/L	ND																			
MW-04	Chloroform	ug/L	ND																			
MW-04	cis-1,2-Dichloroethene	ug/L	ND																			
MW-04	cis-1,3-Dichloropropene		ND																			
MW-04	Dibromochloromethane	ug/L	ND	0.71	ND																	
MW-04	Dibromomethane	ug/L	ND																			
MW-04	Ethylbenzene	ug/L	ND																			
MW-04	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-04	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-04	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-04	ortho-Xylene	ug/L	ND																			
MW-04	para-Xylene & meta-Xylene	ug/L	ND																			
MW-04	Styrene	ug/L	ND																			
MW-04	Tetrachloroethene	ug/L	ND	0.55	ND																	
MW-04	Toluene	ug/L	ND																			
MW-04	trans-1,2-Dichloroethene	ug/L	ND																			
MW-04	trans-1,3-Dichloropropene	ug/L	ND																			
MW-04	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-04	Trichloroethene	ug/L	ND																			
MW-04	Trichlorofluoromethane	ug/L	ND																			
MW-04	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-04	Vinyl Chloride	ug/L	ND																			

ND: Not Detected  
 NT: Not Tested  
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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-05	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-05	1,1,1-Trichloroethane	ug/L	ND																			
MW-05	1,1,2,2-Tetrachloroethane	ug/L	ND	1.66	ND																	
MW-05	1,1,2-Trichloroethane	ug/L	ND																			
MW-05	1,1-Dichloroethane	ug/L	ND	1.26	1.89	ND	ND	ND	ND	ND	ND	1.17	ND	ND								
MW-05	1,1-Dichloroethene	ug/L	ND																			
MW-05	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-05	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-05	1,2-Dibromoethane	ug/L	ND																			
MW-05	1,2-Dichlorobenzene	ug/L	ND	1.89	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-05	1,2-Dichloroethane	ug/L	ND																			
MW-05	1,2-Dichloropropane	ug/L	ND																			
MW-05	1,4-Dichlorobenzene	ug/L	ND	2.02	ND																	
MW-05	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-05	2-Hexanone	ug/L	ND	NT	NT	NT	2.18	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-05	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-05	Acetone	ug/L	ND	NT	NT	NT	NT	10.3	ND													
MW-05	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-05	Benzene	ug/L	ND																			
MW-05	Bromochloromethane	ug/L	ND	NT	ND																	
MW-05	Bromodichloromethane	ug/L	ND																			
MW-05	Bromoform	ug/L	ND																			
MW-05	Bromomethane	ug/L	ND																			
MW-05	Carbon disulfide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-05	Carbon Tetrachloride	ug/L	ND																			
MW-05	Chlorobenzene	ug/L	ND																			
MW-05	Chloroethane	ug/L	ND																			
MW-05	Chloroform	ug/L	ND																			
MW-05	cis-1,2-Dichloroethene	ug/L	ND	ND	ND	1.03	ND	1.84	ND	ND	3.35	2.47	1.91	1.41	ND	ND	ND	ND	ND	2.98	1.04	1.98
MW-05	cis-1,3-Dichloropropene	ug/L	ND																			
MW-05	Dibromochloromethane	ug/L	ND																			
MW-05	Dibromomethane	ug/L	ND																			
MW-05	Ethylbenzene	ug/L	ND																			
MW-05	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-05	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-05	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-05	ortho-Xylene	ug/L	ND																			
MW-05	para-Xylene & meta-Xylene	ug/L	ND																			
MW-05	Styrene	ug/L	ND																			
MW-05	Tetrachloroethene	ug/L	2.73	1.51	1.21	2.5	2.05	3.57	2.25	ND	4.93	4.26	2.47	2.65	1.83	ND	ND	2.5	ND	3.85	2.01	2.56
MW-05	Toluene	ug/L	ND																			
MW-05	trans-1,2-Dichloroethene	ug/L	ND																			
MW-05	trans-1,3-Dichloropropene	ug/L	ND																			
MW-05	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-05	Trichloroethene	ug/L	1.03	ND	ND	1.46	1.02	1.68	ND	ND	2.41	2	1.51	1.27	ND	ND	ND	ND	1.82	ND	1.4	1.4
MW-05	Trichlorofluoromethane	ug/L	ND																			
MW-05	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-05	Vinyl Chloride	ug/L	ND																			

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-06	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-06	1,1,1-Trichloroethane	ug/L	ND																			
MW-06	1,1,2,2-Tetrachloroethane	ug/L	ND	1.79	ND																	
MW-06	1,1,2-Trichloroethane	ug/L	ND																			
MW-06	1,1-Dichloroethane	ug/L	4.64	5.3	5.88	8.94	ND	1.12	3.99	5.16	ND	3.51	2.12	3.59	1.2	ND	ND	ND	3.5	5.79	2.45	4.03
MW-06	1,1-Dichloroethene	ug/L	ND	ND	ND	ND	2.62	ND														
MW-06	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-06	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-06	1,2-Dibromoethane	ug/L	ND																			
MW-06	1,2-Dichlorobenzene	ug/L	ND	1.88	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-06	1,2-Dichloroethane	ug/L	ND																			
MW-06	1,2-Dichloropropane	ug/L	ND																			
MW-06	1,4-Dichlorobenzene	ug/L	ND	2.05	ND																	
MW-06	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-06	2-Hexanone	ug/L	ND	NT	NT	NT	2.6	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-06	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-06	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-06	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-06	Benzene	ug/L	ND																			
MW-06	Bromochloromethane	ug/L	ND	ND	ND	ND	ND	1.61	ND	ND	ND	ND	ND	NT	ND							
MW-06	Bromodichloromethane	ug/L	ND																			
MW-06	Bromoform	ug/L	ND	1.01	ND																	
MW-06	Bromomethane	ug/L	ND																			
MW-06	Carbon disulfide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-06	Carbon Tetrachloride	ug/L	ND																			
MW-06	Chlorobenzene	ug/L	ND																			
MW-06	Chloroethane	ug/L	ND																			
MW-06	Chloroform	ug/L	ND																			
MW-06	cis-1,2-Dichloroethene	ug/L	3.45	3.92	4.57	8.6	4.35	8.99	3.43	9.9	5.32	5.08	1.59	5.18	4.9	13	ND	ND	8.1	11.1	3.9	8.79
MW-06	cis-1,3-Dichloropropene	ug/L	ND																			
MW-06	Dibromochloromethane	ug/L	ND																			
MW-06	Dibromomethane	ug/L	ND	3.23	ND	2.14	ND															
MW-06	Ethylbenzene	ug/L	ND																			
MW-06	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	3.3	ND	9.06	ND	5.85						
MW-06	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-06	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-06	ortho-Xylene	ug/L	ND																			
MW-06	para-Xylene & meta-Xylene	ug/L	ND																			
MW-06	Styrene	ug/L	ND																			
MW-06	Tetrachloroethene	ug/L	14.36	ND	9.62	16.75	9.46	18.67	8.6	18.1	9.45	10.55	2.91	8.6	7.5	13.1	ND	9	7	18.4	7.39	14
MW-06	Toluene	ug/L	ND																			
MW-06	trans-1,2-Dichloroethene	ug/L	ND																			
MW-06	trans-1,3-Dichloropropene	ug/L	ND																			
MW-06	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-06	Trichloroethene	ug/L	4.4	3.71	4	6.87	3.05	6.26	2.34	5.57	3.08	2.99	1.12	3.07	2.19	ND	ND	2.3	3.4	5.57	2.07	4.46
MW-06	Trichlorofluoromethane	ug/L	ND																			
MW-06	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-06	Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	2.63	ND	1.19	0.79	ND										

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-07	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-07	1,1,1-Trichloroethane	ug/L	ND																			
MW-07	1,1,2,2-Tetrachloroethane	ug/L	ND	1.69	ND																	
MW-07	1,1,2-Trichloroethane	ug/L	ND																			
MW-07	1,1-Dichloroethane	ug/L	4.17	6.99	5.77	5.75	2.39	ND	6.92	6.97	1.11	3.89	6.92	2.74	3.33	ND	ND	ND	5.9	11.3	5.52	7.88
MW-07	1,1-Dichloroethene	ug/L	ND																			
MW-07	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-07	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-07	1,2-Dibromoethane	ug/L	ND																			
MW-07	1,2-Dichlorobenzene	ug/L	ND	1.83	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-07	1,2-Dichloroethane	ug/L	ND																			
MW-07	1,2-Dichloropropane	ug/L	ND																			
MW-07	1,4-Dichlorobenzene	ug/L	ND	2.02	ND																	
MW-07	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-07	2-Hexanone	ug/L	ND	NT	NT	NT	2.28	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-07	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	2.07	NT	ND	ND	ND	ND	ND	ND
MW-07	Acetone	ug/L	ND	NT	NT	NT	NT	5.62	ND													
MW-07	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-07	Benzene	ug/L	ND																			
MW-07	Bromochloromethane	ug/L	ND	NT	ND																	
MW-07	Bromodichloromethane	ug/L	ND																			
MW-07	Bromoform	ug/L	ND	1.04	ND																	
MW-07	Bromomethane	ug/L	ND																			
MW-07	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-07	Carbon Tetrachloride	ug/L	ND																			
MW-07	Chlorobenzene	ug/L	ND																			
MW-07	Chloroethane	ug/L	ND																			
MW-07	Chloroform	ug/L	ND																			
MW-07	cis-1,2-Dichloroethene	ug/L	2.27	3.94	4.04	3.68	3.25	3.84	5.63	6.21	5.38	5.12	5.62	3	8.38	ND	ND	ND	8.4	8.64	5.07	7.16
MW-07	cis-1,3-Dichloropropene	ug/L	ND																			
MW-07	Dibromochloromethane	ug/L	ND																			
MW-07	Dibromomethane	ug/L	ND																			
MW-07	Ethylbenzene	ug/L	ND																			
MW-07	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-07	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-07	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-07	ortho-Xylene	ug/L	ND																			
MW-07	para-Xylene & meta-Xylene	ug/L	ND																			
MW-07	Styrene	ug/L	ND																			
MW-07	Tetrachloroethene	ug/L	3.14	ND	1.95	3.38	1.91	3	3.25	5.24	3.15	3.11	2.14	1.54	2.91	ND	ND	3.7	1.9	6.58	3.06	5.41
MW-07	Toluene	ug/L	ND																			
MW-07	trans-1,2-Dichloroethene	ug/L	ND																			
MW-07	trans-1,3-Dichloropropene	ug/L	ND																			
MW-07	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-07	Trichloroethene	ug/L	1.52	2.06	1.49	1.94	1.1	1.56	1.65	2.44	1.53	1.72	1.54	ND	1.89	ND	ND	1.8	1.9	3.14	3.06	2.87
MW-07	Trichlorofluoromethane	ug/L	ND	0.51	ND																	
MW-07	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-07	Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	1.38	ND	0.94	1.3	0.64	0.64	ND	1.32	ND						

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-08	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-08	1,1,1-Trichloroethane	ug/L	ND																			
MW-08	1,1,2,2-Tetrachloroethane	ug/L	ND	1.8	ND																	
MW-08	1,1,2-Trichloroethane	ug/L	ND																			
MW-08	1,1-Dichloroethane	ug/L	ND	ND	ND	1.2	ND															
MW-08	1,1-Dichloroethene	ug/L	ND																			
MW-08	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-08	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-08	1,2-Dibromoethane	ug/L	ND																			
MW-08	1,2-Dichlorobenzene	ug/L	ND	1.9	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-08	1,2-Dichloroethane	ug/L	ND																			
MW-08	1,2-Dichloropropane	ug/L	ND																			
MW-08	1,4-Dichlorobenzene	ug/L	ND	2.07	ND																	
MW-08	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-08	2-Hexanone	ug/L	ND	NT	NT	NT	2.03	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-08	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-08	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-08	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND
MW-08	Benzene	ug/L	ND																			
MW-08	Bromochloromethane	ug/L	ND	NT	ND																	
MW-08	Bromodichloromethane	ug/L	ND																			
MW-08	Bromoform	ug/L	ND																			
MW-08	Bromomethane	ug/L	ND																			
MW-08	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-08	Carbon Tetrachloride	ug/L	ND																			
MW-08	Chlorobenzene	ug/L	ND																			
MW-08	Chloroethane	ug/L	ND																			
MW-08	Chloroform	ug/L	ND																			
MW-08	cis-1,2-Dichloroethene	ug/L	ND																			
MW-08	cis-1,3-Dichloropropene	ug/L	ND																			
MW-08	Dibromochloromethane	ug/L	ND																			
MW-08	Dibromomethane	ug/L	ND																			
MW-08	Ethylbenzene	ug/L	ND																			
MW-08	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-08	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-08	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-08	ortho-Xylene	ug/L	ND																			
MW-08	para-Xylene & meta-Xylene	ug/L	ND																			
MW-08	Styrene	ug/L	ND																			
MW-08	Tetrachloroethene	ug/L	ND																			
MW-08	Toluene	ug/L	ND																			
MW-08	trans-1,2-Dichloroethene	ug/L	ND																			
MW-08	trans-1,3-Dichloropropene	ug/L	ND																			
MW-08	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-08	Trichloroethene	ug/L	ND																			
MW-08	Trichlorofluoromethane	ug/L	ND																			
MW-08	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-08	Vinyl Chloride	ug/L	ND																			

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-09	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-09	1,1,1-Trichloroethane	ug/L	ND																			
MW-09	1,1,2,2-Tetrachloroethane	ug/L	ND	1.57	ND																	
MW-09	1,1,2-Trichloroethane	ug/L	ND																			
MW-09	1,1-Dichloroethane	ug/L	ND																			
MW-09	1,1-Dichloroethene	ug/L	ND																			
MW-09	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-09	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-09	1,2-Dibromoethane	ug/L	ND																			
MW-09	1,2-Dichlorobenzene	ug/L	ND	1.8	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-09	1,2-Dichloroethane	ug/L	ND																			
MW-09	1,2-Dichloropropane	ug/L	ND																			
MW-09	1,4-Dichlorobenzene	ug/L	ND	1.88	ND																	
MW-09	2-Butanone	ug/L	1.04	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-09	2-Hexanone	ug/L	ND	NT	NT	NT	2.04	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-09	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-09	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-09	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-09	Benzene	ug/L	ND																			
MW-09	Bromochloromethane	ug/L	ND	NT	ND																	
MW-09	Bromodichloromethane	ug/L	ND																			
MW-09	Bromoform	ug/L	ND																			
MW-09	Bromomethane	ug/L	ND																			
MW-09	Carbon disulfide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-09	Carbon Tetrachloride	ug/L	ND																			
MW-09	Chlorobenzene	ug/L	ND																			
MW-09	Chloroethane	ug/L	ND																			
MW-09	Chloroform	ug/L	ND																			
MW-09	cis-1,2-Dichloroethene	ug/L	ND																			
MW-09	cis-1,3-Dichloropropene	ug/L	ND																			
MW-09	Dibromochloromethane	ug/L	ND																			
MW-09	Dibromomethane	ug/L	ND																			
MW-09	Ethylbenzene	ug/L	ND	2.4	ND	ND	ND	ND	ND													
MW-09	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-09	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-09	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-09	ortho-Xylene	ug/L	ND																			
MW-09	para-Xylene & meta-Xylene	ug/L	ND	8.2	ND	ND	ND	ND	ND													
MW-09	Styrene	ug/L	ND																			
MW-09	Tetrachloroethene	ug/L	ND																			
MW-09	Toluene	ug/L	ND																			
MW-09	trans-1,2-Dichloroethene	ug/L	ND																			
MW-09	trans-1,3-Dichloropropene	ug/L	ND																			
MW-09	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-09	Trichloroethene	ug/L	ND																			
MW-09	Trichlorofluoromethane	ug/L	ND																			
MW-09	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-09	Vinyl Chloride	ug/L	ND																			

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

## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-10	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-10	1,1,1-Trichloroethane	ug/L	ND																			
MW-10	1,1,2,2-Tetrachloroethane	ug/L	ND																			
MW-10	1,1,2-Trichloroethane	ug/L	ND																			
MW-10	1,1-Dichloroethane	ug/L	ND	1.31	ND																	
MW-10	1,1-Dichloroethene	ug/L	ND																			
MW-10	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-10	1,2-Dibromo-3-chloropropane	ug/L	ND	ND	ND	1.49	ND															
MW-10	1,2-Dibromoethane	ug/L	ND																			
MW-10	1,2-Dichlorobenzene	ug/L	ND	ND	ND	1.55	ND	ND	ND	ND	ND	ND	1.93	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-10	1,2-Dichloroethane	ug/L	ND																			
MW-10	1,2-Dichloropropane	ug/L	ND																			
MW-10	1,4-Dichlorobenzene	ug/L	ND	ND	ND	1.72	ND	ND	ND	ND	ND	ND	2.24	ND								
MW-10	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-10	2-Hexanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-10	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-10	Acetone	ug/L	ND	NT	NT	NT	NT	8.76	ND													
MW-10	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-10	Benzene	ug/L	ND																			
MW-10	Bromochloromethane	ug/L	ND	NT	ND																	
MW-10	Bromodichloromethane	ug/L	ND																			
MW-10	Bromoform	ug/L	ND																			
MW-10	Bromomethane	ug/L	ND	3.72	0.56	ND																
MW-10	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	9.7	ND	ND	ND	ND						
MW-10	Carbon Tetrachloride	ug/L	ND																			
MW-10	Chlorobenzene	ug/L	ND																			
MW-10	Chloroethane	ug/L	ND																			
MW-10	Chloroform	ug/L	ND																			
MW-10	cis-1,2-Dichloroethene	ug/L	ND																			
MW-10	cis-1,3-Dichloropropene	ug/L	ND																			
MW-10	Dibromochloromethane	ug/L	ND																			
MW-10	Dibromomethane	ug/L	ND																			
MW-10	Ethylbenzene	ug/L	ND																			
MW-10	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-10	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-10	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-10	ortho-Xylene	ug/L	ND																			
MW-10	para-Xylene & meta-Xylene	ug/L	ND																			
MW-10	Styrene	ug/L	ND																			
MW-10	Tetrachloroethene	ug/L	ND	ND	ND	1.43	ND	ND	ND	3.02	ND											
MW-10	Toluene	ug/L	ND																			
MW-10	trans-1,2-Dichloroethene	ug/L	ND																			
MW-10	trans-1,3-Dichloropropene	ug/L	ND																			
MW-10	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-10	Trichloroethene	ug/L	ND	1.03	ND																	
MW-10	Trichlorofluoromethane	ug/L	ND																			
MW-10	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-10	Vinyl Chloride	ug/L	ND																			

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-11	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-11	1,1,1-Trichloroethane	ug/L	ND																			
MW-11	1,1,2,2-Tetrachloroethane	ug/L	ND	1.7	ND																	
MW-11	1,1,2-Trichloroethane	ug/L	ND																			
MW-11	1,1-Dichloroethane	ug/L	ND																			
MW-11	1,1-Dichloroethene	ug/L	ND																			
MW-11	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-11	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-11	1,2-Dibromoethane	ug/L	ND																			
MW-11	1,2-Dichlorobenzene	ug/L	ND	1.85	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-11	1,2-Dichloroethane	ug/L	ND																			
MW-11	1,2-Dichloropropane	ug/L	ND																			
MW-11	1,4-Dichlorobenzene	ug/L	ND																			
MW-11	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-11	2-Hexanone	ug/L	ND	NT	NT	NT	1.99	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-11	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-11	Acetone	ug/L	ND	NT	NT	NT	NT	9.26	ND													
MW-11	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-11	Benzene	ug/L	ND																			
MW-11	Bromochloromethane	ug/L	ND	NT	ND																	
MW-11	Bromodichloromethane	ug/L	ND																			
MW-11	Bromoform	ug/L	ND																			
MW-11	Bromomethane	ug/L	ND																			
MW-11	Carbon disulfide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	6.8	ND	ND	ND	ND						
MW-11	Carbon Tetrachloride	ug/L	ND																			
MW-11	Chlorobenzene	ug/L	ND																			
MW-11	Chloroethane	ug/L	ND																			
MW-11	Chloroform	ug/L	ND																			
MW-11	cis-1,2-Dichloroethene	ug/L	ND																			
MW-11	cis-1,3-Dichloropropene	ug/L	ND																			
MW-11	Dibromochloromethane	ug/L	ND	0.77	ND																	
MW-11	Dibromomethane	ug/L	ND																			
MW-11	Ethylbenzene	ug/L	ND																			
MW-11	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-11	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-11	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-11	ortho-Xylene	ug/L	ND																			
MW-11	para-Xylene & meta-Xylene	ug/L	ND																			
MW-11	Styrene	ug/L	ND																			
MW-11	Tetrachloroethene	ug/L	ND																			
MW-11	Toluene	ug/L	ND																			
MW-11	trans-1,2-Dichloroethene	ug/L	ND																			
MW-11	trans-1,3-Dichloropropene	ug/L	ND																			
MW-11	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-11	Trichloroethene	ug/L	ND																			
MW-11	Trichlorofluoromethane	ug/L	ND																			
MW-11	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-11	Vinyl Chloride	ug/L	ND																			

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-12	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-12	1,1,1-Trichloroethane	ug/L	ND																			
MW-12	1,1,2,2-Tetrachloroethane	ug/L	ND	1.52	ND																	
MW-12	1,1,2-Trichloroethane	ug/L	ND																			
MW-12	1,1-Dichloroethane	ug/L	ND																			
MW-12	1,1-Dichloroethene	ug/L	ND																			
MW-12	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-12	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-12	1,2-Dibromoethane	ug/L	ND																			
MW-12	1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	1.13	ND	ND	ND	1.84	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-12	1,2-Dichloroethane	ug/L	ND																			
MW-12	1,2-Dichloropropane	ug/L	ND																			
MW-12	1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	1.16	ND	ND	ND	2.1	ND								
MW-12	2-Butanone	ug/L	1.24	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-12	2-Hexanone	ug/L	ND	NT	NT	NT	2.3	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-12	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-12	Acetone	ug/L	ND	NT	NT	NT	NT	7.39	ND													
MW-12	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-12	Benzene	ug/L	ND																			
MW-12	Bromochloromethane	ug/L	ND	NT	ND																	
MW-12	Bromodichloromethane	ug/L	ND																			
MW-12	Bromoform	ug/L	ND	1.06	ND																	
MW-12	Bromomethane	ug/L	ND																			
MW-12	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-12	Carbon Tetrachloride	ug/L	ND																			
MW-12	Chlorobenzene	ug/L	ND																			
MW-12	Chloroethane	ug/L	ND																			
MW-12	Chloroform	ug/L	ND																			
MW-12	cis-1,2-Dichloroethene	ug/L	ND																			
MW-12	cis-1,3-Dichloropropene	ug/L	ND																			
MW-12	Dibromochloromethane	ug/L	ND																			
MW-12	Dibromomethane	ug/L	ND																			
MW-12	Ethylbenzene	ug/L	ND																			
MW-12	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-12	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-12	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-12	ortho-Xylene	ug/L	ND																			
MW-12	para-Xylene & meta-Xylene	ug/L	ND																			
MW-12	Styrene	ug/L	ND																			
MW-12	Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	1.06	ND												
MW-12	Toluene	ug/L	ND																			
MW-12	trans-1,2-Dichloroethene	ug/L	ND																			
MW-12	trans-1,3-Dichloropropene	ug/L	ND																			
MW-12	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-12	Trichloroethene	ug/L	ND																			
MW-12	Trichlorofluoromethane	ug/L	ND																			
MW-12	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-12	Vinyl Chloride	ug/L	ND																			

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-13	1,1,1,2-Tetrachloroethane	ug/L	ND	NS	NS	ND	NT	ND	ND	ND	ND	ND	ND									
MW-13	1,1,1-Trichloroethane	ug/L	ND	NS	NS	ND																
MW-13	1,1,2,2-Tetrachloroethane	ug/L	ND	NS	NS	ND																
MW-13	1,1,2-Trichloroethane	ug/L	ND	NS	NS	ND																
MW-13	1,1-Dichloroethane	ug/L	ND	NS	NS	ND																
MW-13	1,1-Dichloroethene	ug/L	ND	NS	NS	ND																
MW-13	1,2,3-Trichloropropane	ug/L	ND	NS	NS	ND																
MW-13	1,2-Dibromo-3-chloropropane	ug/L	ND	NS	NS	ND																
MW-13	1,2-Dibromoethane	ug/L	ND	NS	NS	ND																
MW-13	1,2-Dichlorobenzene	ug/L	ND	NS	NS	ND	NT	ND	ND	ND	ND	ND	ND									
MW-13	1,2-Dichloroethane	ug/L	ND	NS	NS	ND																
MW-13	1,2-Dichloropropane	ug/L	ND	NS	NS	ND																
MW-13	1,4-Dichlorobenzene	ug/L	ND	NS	NS	ND																
MW-13	2-Butanone	ug/L	ND	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND	ND						
MW-13	2-Hexanone	ug/L	ND	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND	ND						
MW-13	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND	ND
MW-13	Acetone	ug/L	ND	NT	NT	NT	NS	NS	ND													
MW-13	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND	ND
MW-13	Benzene	ug/L	ND	NS	NS	ND																
MW-13	Bromochloromethane	ug/L	ND	NS	NS	ND																
MW-13	Bromodichloromethane	ug/L	ND	NS	NS	ND																
MW-13	Bromoform	ug/L	ND	NS	NS	ND																
MW-13	Bromomethane	ug/L	ND	NS	NS	ND																
MW-13	Carbon disulfide	ug/L	ND	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND	ND						
MW-13	Carbon Tetrachloride	ug/L	ND	NS	NS	ND																
MW-13	Chlorobenzene	ug/L	ND	NS	NS	ND																
MW-13	Chloroethane	ug/L	ND	NS	NS	ND																
MW-13	Chloroform	ug/L	ND	NS	NS	ND																
MW-13	cis-1,2-Dichloroethene	ug/L	ND	NS	NS	ND																
MW-13	cis-1,3-Dichloropropene	ug/L	ND	NS	NS	ND																
MW-13	Dibromochloromethane	ug/L	ND	NS	NS	ND																
MW-13	Dibromomethane	ug/L	ND	NS	NS	ND																
MW-13	Ethylbenzene	ug/L	ND	NS	NS	ND																
MW-13	Methylene Chloride	ug/L	ND	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND	ND						
MW-13	Methyl Iodide	ug/L	ND	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND	ND						
MW-13	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NS	NS	ND							
MW-13	ortho-Xylene	ug/L	ND	NS	NS	ND																
MW-13	para-Xylene & meta-Xylene	ug/L	ND	NS	NS	ND																
MW-13	Styrene	ug/L	ND	NS	NS	ND																
MW-13	Tetrachloroethene	ug/L	ND	NS	NS	ND																
MW-13	Toluene	ug/L	ND	NS	NS	ND																
MW-13	trans-1,2-Dichloroethene	ug/L	ND	NS	NS	ND																
MW-13	trans-1,3-Dichloropropene	ug/L	ND	NS	NS	ND																
MW-13	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND	ND						
MW-13	Trichloroethene	ug/L	ND	NS	NS	ND																
MW-13	Trichlorofluoromethane	ug/L	ND	NS	NS	ND																
MW-13	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND	ND
MW-13	Vinyl Chloride	ug/L	ND	NS	NS	ND																

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-14	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-14	1,1,1-Trichloroethane	ug/L	ND																			
MW-14	1,1,2,2-Tetrachloroethane	ug/L	ND	1.61	ND																	
MW-14	1,1,2-Trichloroethane	ug/L	ND																			
MW-14	1,1-Dichloroethane	ug/L	ND	ND	1.16	ND	1.06	ND	ND	ND	ND	ND	1.3	ND	1.29	1.09						
MW-14	1,1-Dichloroethene	ug/L	ND																			
MW-14	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-14	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-14	1,2-Dibromoethane	ug/L	ND																			
MW-14	1,2-Dichlorobenzene	ug/L	ND	NT	ND	NT	ND	ND	ND	ND	ND	ND										
MW-14	1,2-Dichloroethane	ug/L	ND																			
MW-14	1,2-Dichloropropane	ug/L	ND																			
MW-14	1,4-Dichlorobenzene	ug/L	ND	1.77	ND																	
MW-14	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-14	2-Hexanone	ug/L	ND	NT	NT	NT	1.96	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-14	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-14	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-14	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND
MW-14	Benzene	ug/L	ND																			
MW-14	Bromochloromethane	ug/L	ND	NT	ND																	
MW-14	Bromodichloromethane	ug/L	ND																			
MW-14	Bromoform	ug/L	ND																			
MW-14	Bromomethane	ug/L	ND																			
MW-14	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-14	Carbon Tetrachloride	ug/L	ND																			
MW-14	Chlorobenzene	ug/L	ND																			
MW-14	Chloroethane	ug/L	ND																			
MW-14	Chloroform	ug/L	ND																			
MW-14	cis-1,2-Dichloroethene	ug/L	ND																			
MW-14	cis-1,3-Dichloropropene	ug/L	ND																			
MW-14	Dibromochloromethane	ug/L	ND																			
MW-14	Dibromomethane	ug/L	ND																			
MW-14	Ethylbenzene	ug/L	ND																			
MW-14	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-14	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-14	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-14	ortho-Xylene	ug/L	ND																			
MW-14	para-Xylene & meta-Xylene	ug/L	ND																			
MW-14	Styrene	ug/L	ND																			
MW-14	Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	1.09	ND	ND	0.68	ND	ND	1.17	ND	ND	ND	ND	ND	1.41	1.03
MW-14	Toluene	ug/L	ND																			
MW-14	trans-1,2-Dichloroethene	ug/L	ND																			
MW-14	trans-1,3-Dichloropropene	ug/L	ND																			
MW-14	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-14	Trichloroethene	ug/L	ND																			
MW-14	Trichlorofluoromethane	ug/L	ND																			
MW-14	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-14	Vinyl Chloride	ug/L	ND																			

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

## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-15	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-15	1,1,1-Trichloroethane	ug/L	ND																			
MW-15	1,1,2,2-Tetrachloroethane	ug/L	ND	1.65	ND																	
MW-15	1,1,2-Trichloroethane	ug/L	ND																			
MW-15	1,1-Dichloroethane	ug/L	ND																			
MW-15	1,1-Dichloroethene	ug/L	ND																			
MW-15	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-15	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-15	1,2-Dibromoethane	ug/L	ND																			
MW-15	1,2-Dichlorobenzene	ug/L	ND	1.9	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-15	1,2-Dichloroethane	ug/L	ND																			
MW-15	1,2-Dichloropropane	ug/L	ND																			
MW-15	1,4-Dichlorobenzene	ug/L	ND	1.92	ND																	
MW-15	2-Butanone	ug/L	1.14	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-15	2-Hexanone	ug/L	ND	NT	NT	NT	1.86	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-15	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-15	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-15	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND
MW-15	Benzene	ug/L	ND																			
MW-15	Bromochloromethane	ug/L	ND	NT	ND																	
MW-15	Bromodichloromethane	ug/L	ND																			
MW-15	Bromoform	ug/L	ND																			
MW-15	Bromomethane	ug/L	ND																			
MW-15	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-15	Carbon Tetrachloride	ug/L	ND																			
MW-15	Chlorobenzene	ug/L	ND																			
MW-15	Chloroethane	ug/L	ND																			
MW-15	Chloroform	ug/L	ND																			
MW-15	cis-1,2-Dichloroethene	ug/L	ND																			
MW-15	cis-1,3-Dichloropropene	ug/L	ND																			
MW-15	Dibromochloromethane	ug/L	ND																			
MW-15	Dibromomethane	ug/L	ND																			
MW-15	Ethylbenzene	ug/L	ND																			
MW-15	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-15	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-15	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-15	ortho-Xylene	ug/L	ND																			
MW-15	para-Xylene & meta-Xylene	ug/L	ND																			
MW-15	Styrene	ug/L	ND																			
MW-15	Tetrachloroethene	ug/L	ND																			
MW-15	Toluene	ug/L	ND																			
MW-15	trans-1,2-Dichloroethene	ug/L	ND																			
MW-15	trans-1,3-Dichloropropene	ug/L	ND																			
MW-15	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-15	Trichloroethene	ug/L	ND																			
MW-15	Trichlorofluoromethane	ug/L	ND																			
MW-15	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-15	Vinyl Chloride	ug/L	ND																			

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-16	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-16	1,1,1-Trichloroethane	ug/L	ND																			
MW-16	1,1,2,2-Tetrachloroethane	ug/L	ND	1.78	ND																	
MW-16	1,1,2-Trichloroethane	ug/L	ND																			
MW-16	1,1-Dichloroethane	ug/L	ND																			
MW-16	1,1-Dichloroethene	ug/L	ND																			
MW-16	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-16	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-16	1,2-Dibromoethane	ug/L	ND																			
MW-16	1,2-Dichlorobenzene	ug/L	ND	2	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-16	1,2-Dichloroethane	ug/L	ND																			
MW-16	1,2-Dichloropropane	ug/L	ND																			
MW-16	1,4-Dichlorobenzene	ug/L	ND	1.99	ND																	
MW-16	2-Butanone	ug/L	1.09	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-16	2-Hexanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-16	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-16	Acetone	ug/L	ND	NT	NT	NT	NT	4.38	ND													
MW-16	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-16	Benzene	ug/L	ND																			
MW-16	Bromochloromethane	ug/L	ND	NT	ND																	
MW-16	Bromodichloromethane	ug/L	ND																			
MW-16	Bromoform	ug/L	ND	1.13	ND																	
MW-16	Bromomethane	ug/L	ND																			
MW-16	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-16	Carbon Tetrachloride	ug/L	ND																			
MW-16	Chlorobenzene	ug/L	ND																			
MW-16	Chloroethane	ug/L	ND																			
MW-16	Chloroform	ug/L	ND																			
MW-16	cis-1,2-Dichloroethene	ug/L	ND																			
MW-16	cis-1,3-Dichloropropene	ug/L	ND																			
MW-16	Dibromochloromethane	ug/L	ND																			
MW-16	Dibromomethane	ug/L	ND																			
MW-16	Ethylbenzene	ug/L	ND																			
MW-16	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-16	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-16	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-16	ortho-Xylene	ug/L	ND																			
MW-16	para-Xylene & meta-Xylene	ug/L	ND																			
MW-16	Styrene	ug/L	ND																			
MW-16	Tetrachloroethene	ug/L	ND	ND	ND	2.36	ND															
MW-16	Toluene	ug/L	ND																			
MW-16	trans-1,2-Dichloroethene	ug/L	ND																			
MW-16	trans-1,3-Dichloropropene	ug/L	ND																			
MW-16	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-16	Trichloroethene	ug/L	ND	1.02	1.33	1.77	1.18	1.68	ND	ND	ND	1.48	ND	1.44	1.44	ND	ND	ND	1.4	1.99	ND	1.03
MW-16	Trichlorofluoromethane	ug/L	ND																			
MW-16	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-16	Vinyl Chloride	ug/L	ND																			

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	
MW-17	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND													
MW-17	1,1,1-Trichloroethane	ug/L	ND																				
MW-17	1,1,2,2-Tetrachloroethane	ug/L	ND	1.62	ND																		
MW-17	1,1,2-Trichloroethane	ug/L	ND																				
MW-17	1,1-Dichloroethane	ug/L	1.16	1.1	1.1	ND	ND	ND	ND	ND	0.59	1.21	1.05	1.32	ND	ND	ND	ND	ND	ND	1.62	ND	1.13
MW-17	1,1-Dichloroethene	ug/L	ND																				
MW-17	1,2,3-Trichloropropane	ug/L	ND	NT	ND																		
MW-17	1,2-Dibromo-3-chloropropane	ug/L	ND																				
MW-17	1,2-Dibromoethane	ug/L	ND																				
MW-17	1,2-Dichlorobenzene	ug/L	ND	1.91	NT	ND	NT	ND	ND	ND	ND	ND	ND										
MW-17	1,2-Dichloroethane	ug/L	ND																				
MW-17	1,2-Dichloropropane	ug/L	ND																				
MW-17	1,4-Dichlorobenzene	ug/L	ND	1.97	ND																		
MW-17	2-Butanone	ug/L	1.01	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	
MW-17	2-Hexanone	ug/L	ND	NT	NT	NT	2.32	ND	ND	NT	ND	ND	ND	ND	ND	ND							
MW-17	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	
MW-17	Acetone	ug/L	ND	NT	NT	NT	NT	ND															
MW-17	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	
MW-17	Benzene	ug/L	ND																				
MW-17	Bromochloromethane	ug/L	ND	NT	ND																		
MW-17	Bromodichloromethane	ug/L	ND																				
MW-17	Bromoform	ug/L	ND	1.07	ND																		
MW-17	Bromomethane	ug/L	ND	13.75	0.54	ND																	
MW-17	Carbon disulfide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND							
MW-17	Carbon Tetrachloride	ug/L	ND																				
MW-17	Chlorobenzene	ug/L	ND																				
MW-17	Chloroethane	ug/L	ND																				
MW-17	Chloroform	ug/L	ND																				
MW-17	cis-1,2-Dichloroethene	ug/L	ND	0.57	0.71	0.71	ND																
MW-17	cis-1,3-Dichloropropene	ug/L	ND																				
MW-17	Dibromochloromethane	ug/L	ND																				
MW-17	Dibromomethane	ug/L	ND																				
MW-17	Ethylbenzene	ug/L	ND																				
MW-17	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND							
MW-17	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND							
MW-17	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND									
MW-17	ortho-Xylene	ug/L	ND																				
MW-17	para-Xylene & meta-Xylene	ug/L	ND																				
MW-17	Styrene	ug/L	ND																				
MW-17	Tetrachloroethene	ug/L	2.01	ND	1.39	ND	1.29	2.32	1.02	ND	1.57	2.07	ND	1.25	ND	ND	ND	1.6	ND	2.42	ND	1.93	
MW-17	Toluene	ug/L	ND																				
MW-17	trans-1,2-Dichloroethene	ug/L	ND																				
MW-17	trans-1,3-Dichloropropene	ug/L	ND																				
MW-17	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND							
MW-17	Trichloroethene	ug/L	ND	ND	ND	ND	ND	1.43	ND	ND	ND	1.16	ND	1.24	ND	1.16							
MW-17	Trichlorofluoromethane	ug/L	ND																				
MW-17	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND	
MW-17	Vinyl Chloride	ug/L	ND																				

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-18A	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-18A	1,1,1-Trichloroethane	ug/L	ND																			
MW-18A	1,1,2,2-Tetrachloroethane	ug/L	ND	1.6	ND																	
MW-18A	1,1,2-Trichloroethane	ug/L	ND																			
MW-18A	1,1-Dichloroethane	ug/L	ND																			
MW-18A	1,1-Dichloroethene	ug/L	ND																			
MW-18A	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-18A	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-18A	1,2-Dibromoethane	ug/L	ND																			
MW-18A	1,2-Dichlorobenzene	ug/L	ND	1.92	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-18A	1,2-Dichloroethane	ug/L	ND																			
MW-18A	1,2-Dichloropropane	ug/L	ND																			
MW-18A	1,4-Dichlorobenzene	ug/L	ND	2.02	ND																	
MW-18A	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-18A	2-Hexanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-18A	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-18A	Acetone	ug/L	ND	NT	NT	NT	NT	18.4	ND													
MW-18A	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-18A	Benzene	ug/L	ND																			
MW-18A	Bromochloromethane	ug/L	ND	NT	ND																	
MW-18A	Bromodichloromethane	ug/L	ND																			
MW-18A	Bromoform	ug/L	ND																			
MW-18A	Bromomethane	ug/L	ND	0.52	ND																	
MW-18A	Carbon disulfide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-18A	Carbon Tetrachloride	ug/L	ND																			
MW-18A	Chlorobenzene	ug/L	ND																			
MW-18A	Chloroethane	ug/L	ND																			
MW-18A	Chloroform	ug/L	ND																			
MW-18A	cis-1,2-Dichloroethene	ug/L	ND																			
MW-18A	cis-1,3-Dichloropropene	ug/L	ND																			
MW-18A	Dibromochloromethane	ug/L	ND																			
MW-18A	Dibromomethane	ug/L	ND																			
MW-18A	Ethylbenzene	ug/L	ND																			
MW-18A	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-18A	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-18A	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-18A	ortho-Xylene	ug/L	ND																			
MW-18A	para-Xylene & meta-Xylene	ug/L	ND																			
MW-18A	Styrene	ug/L	ND																			
MW-18A	Tetrachloroethene	ug/L	ND																			
MW-18A	Toluene	ug/L	ND																			
MW-18A	trans-1,2-Dichloroethene	ug/L	ND																			
MW-18A	trans-1,3-Dichloropropene	ug/L	ND																			
MW-18A	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-18A	Trichloroethene	ug/L	ND																			
MW-18A	Trichlorofluoromethane	ug/L	ND																			
MW-18A	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-18A	Vinyl Chloride	ug/L	ND																			

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-19	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-19	1,1,1-Trichloroethane	ug/L	ND																			
MW-19	1,1,2,2-Tetrachloroethane	ug/L	ND	1.65	ND																	
MW-19	1,1,2-Trichloroethane	ug/L	ND																			
MW-19	1,1-Dichloroethane	ug/L	ND	2.42	ND																	
MW-19	1,1-Dichloroethene	ug/L	ND																			
MW-19	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-19	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-19	1,2-Dibromoethane	ug/L	ND																			
MW-19	1,2-Dichlorobenzene	ug/L	ND	1.8	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-19	1,2-Dichloroethane	ug/L	ND																			
MW-19	1,2-Dichloropropane	ug/L	ND																			
MW-19	1,4-Dichlorobenzene	ug/L	ND	1.96	ND																	
MW-19	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-19	2-Hexanone	ug/L	ND	NT	NT	NT	2.21	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-19	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-19	Acetone	ug/L	ND	NT	NT	NT	NT	12.7	ND													
MW-19	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-19	Benzene	ug/L	ND																			
MW-19	Bromochloromethane	ug/L	ND	NT	ND																	
MW-19	Bromodichloromethane	ug/L	ND																			
MW-19	Bromoform	ug/L	ND																			
MW-19	Bromomethane	ug/L	ND	0.53	ND																	
MW-19	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-19	Carbon Tetrachloride	ug/L	ND																			
MW-19	Chlorobenzene	ug/L	ND																			
MW-19	Chloroethane	ug/L	ND																			
MW-19	Chloroform	ug/L	ND																			
MW-19	cis-1,2-Dichloroethene	ug/L	ND	1.39	ND																	
MW-19	cis-1,3-Dichloropropene	ug/L	ND																			
MW-19	Dibromochloromethane	ug/L	ND																			
MW-19	Dibromomethane	ug/L	ND																			
MW-19	Ethylbenzene	ug/L	ND																			
MW-19	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-19	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-19	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-19	ortho-Xylene	ug/L	ND																			
MW-19	para-Xylene & meta-Xylene	ug/L	ND																			
MW-19	Styrene	ug/L	ND																			
MW-19	Tetrachloroethene	ug/L	ND	4.26	ND																	
MW-19	Toluene	ug/L	ND																			
MW-19	trans-1,2-Dichloroethene	ug/L	ND																			
MW-19	trans-1,3-Dichloropropene	ug/L	ND																			
MW-19	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-19	Trichloroethene	ug/L	ND	2.21	ND																	
MW-19	Trichlorofluoromethane	ug/L	ND																			
MW-19	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-19	Vinyl Chloride	ug/L	ND																			

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

## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-20	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-20	1,1,1-Trichloroethane	ug/L	ND																			
MW-20	1,1,2,2-Tetrachloroethane	ug/L	ND	1.63	ND																	
MW-20	1,1,2-Trichloroethane	ug/L	ND																			
MW-20	1,1-Dichloroethane	ug/L	ND																			
MW-20	1,1-Dichloroethene	ug/L	ND																			
MW-20	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-20	1,2-Dibromo-3-chloropropane	ug/L	1.35	ND																		
MW-20	1,2-Dibromoethane	ug/L	ND																			
MW-20	1,2-Dichlorobenzene	ug/L	ND	2.22	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-20	1,2-Dichloroethane	ug/L	ND																			
MW-20	1,2-Dichloropropane	ug/L	ND																			
MW-20	1,4-Dichlorobenzene	ug/L	ND	2.38	ND																	
MW-20	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-20	2-Hexanone	ug/L	ND	NT	NT	NT	2.47	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-20	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-20	Acetone	ug/L	ND	NT	NT	NT	NT	6.53	ND													
MW-20	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-20	Benzene	ug/L	ND																			
MW-20	Bromochloromethane	ug/L	ND	NT	ND																	
MW-20	Bromodichloromethane	ug/L	ND																			
MW-20	Bromoform	ug/L	ND																			
MW-20	Bromomethane	ug/L	ND																			
MW-20	Carbon disulfide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-20	Carbon Tetrachloride	ug/L	ND																			
MW-20	Chlorobenzene	ug/L	ND																			
MW-20	Chloroethane	ug/L	ND																			
MW-20	Chloroform	ug/L	ND																			
MW-20	cis-1,2-Dichloroethene	ug/L	ND																			
MW-20	cis-1,3-Dichloropropene	ug/L	ND																			
MW-20	Dibromochloromethane	ug/L	ND																			
MW-20	Dibromomethane	ug/L	ND																			
MW-20	Ethylbenzene	ug/L	ND																			
MW-20	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-20	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-20	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-20	ortho-Xylene	ug/L	ND																			
MW-20	para-Xylene & meta-Xylene	ug/L	ND																			
MW-20	Styrene	ug/L	ND																			
MW-20	Tetrachloroethene	ug/L	ND																			
MW-20	Toluene	ug/L	ND																			
MW-20	trans-1,2-Dichloroethene	ug/L	ND																			
MW-20	trans-1,3-Dichloropropene	ug/L	ND																			
MW-20	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-20	Trichloroethene	ug/L	ND																			
MW-20	Trichlorofluoromethane	ug/L	ND	0.76	0.76	ND																
MW-20	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-20	Vinyl Chloride	ug/L	ND																			

ND: Not Detected  
 NT: Not Tested  
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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-21	1,1,1,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-21	1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND	ND	1.61	ND								
MW-21	1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	1,2,3-Trichloropropane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND	ND	ND	NT	ND							
MW-21	1,2-Dibromo-3-chloropropane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	1,2-Dibromoethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND	ND	1.75	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-21	1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND	ND	1.85	ND								
MW-21	2-Butanone	ug/L	1.2	ND	ND	ND	ND	ND	NT	NS	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-21	2-Hexanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	2.12	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-21	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-21	Acetone	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	NT	ND								
MW-21	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND
MW-21	Benzene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Bromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND	ND	ND	NT	ND							
MW-21	Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Bromoform	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND	ND	1.02	ND								
MW-21	Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	0.53	ND										
MW-21	Carbon disulfide	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-21	Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Chloroform	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	cis-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Dibromomethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-21	Methyl Iodide	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-21	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-21	ortho-Xylene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	para-Xylene & meta-Xylene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Styrene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Toluene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	trans-1,4-Dichloro-2-buten	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-21	Trichloroethene	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											
MW-21	Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND	0.63	ND									
MW-21	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-21	Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND											

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-22	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-22	1,1,1-Trichloroethane	ug/L	ND																			
MW-22	1,1,2,2-Tetrachloroethane	ug/L	ND	1.73	ND																	
MW-22	1,1,2-Trichloroethane	ug/L	ND																			
MW-22	1,1-Dichloroethane	ug/L	2.13	2.43	2.53	2.76	1.08	ND	1.35	8.89	0.76	1.35	1.46	1.02	ND	ND	ND	2.5	ND	1.75	1.22	1.124
MW-22	1,1-Dichloroethene	ug/L	ND																			
MW-22	1,2,3-Trichloropropane	ug/L	ND	ND	ND	3.44	ND	NT	ND													
MW-22	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-22	1,2-Dibromoethane	ug/L	ND																			
MW-22	1,2-Dichlorobenzene	ug/L	ND	1.87	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-22	1,2-Dichloroethane	ug/L	ND																			
MW-22	1,2-Dichloropropane	ug/L	ND																			
MW-22	1,4-Dichlorobenzene	ug/L	ND	0.74	ND	ND	2.06	ND														
MW-22	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-22	2-Hexanone	ug/L	ND	NT	NT	NT	2.35	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-22	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-22	Acetone	ug/L	ND	NT	NT	NT	NT	7.72	ND													
MW-22	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-22	Benzene	ug/L	ND	1.11	ND																	
MW-22	Bromochloromethane	ug/L	ND	NT	ND																	
MW-22	Bromodichloromethane	ug/L	ND																			
MW-22	Bromoform	ug/L	ND																			
MW-22	Bromomethane	ug/L	ND																			
MW-22	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-22	Carbon Tetrachloride	ug/L	ND																			
MW-22	Chlorobenzene	ug/L	ND																			
MW-22	Chloroethane	ug/L	ND																			
MW-22	Chloroform	ug/L	ND																			
MW-22	cis-1,2-Dichloroethene	ug/L	1.09	1.11	1.26	1.59	1.16	1.86	ND	18.59	1.52	1.76	1.01	1.55	ND	ND	ND	ND	1.9	2.58	1.77	2.59
MW-22	cis-1,3-Dichloropropene	ug/L	ND																			
MW-22	Dibromochloromethane	ug/L	ND																			
MW-22	Dibromomethane	ug/L	ND																			
MW-22	Ethylbenzene	ug/L	ND																			
MW-22	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-22	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-22	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-22	ortho-Xylene	ug/L	ND	0.85	ND																	
MW-22	para-Xylene & meta-Xylene	ug/L	ND																			
MW-22	Styrene	ug/L	ND																			
MW-22	Tetrachloroethene	ug/L	4.73	4.34	3.42	4.76	3.44	5.26	2.9	33.09	3.69	4.53	1.68	3.72	1.57	ND	ND	4.1	ND	4.47	3.55	3.75
MW-22	Toluene	ug/L	ND																			
MW-22	trans-1,2-Dichloroethene	ug/L	ND																			
MW-22	trans-1,3-Dichloropropene	ug/L	ND																			
MW-22	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-22	Trichloroethene	ug/L	1.62	1.58	ND	2.21	1.38	1.85	ND	11.63	1.33	1.51	ND	1.32	ND	ND	ND	1.2	ND	1.72	1.32	1.52
MW-22	Trichlorofluoromethane	ug/L	ND																			
MW-22	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-22	Vinyl Chloride	ug/L	ND	1.71	ND																	

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-23	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-23	1,1,1-Trichloroethane	ug/L	ND																			
MW-23	1,1,2,2-Tetrachloroethane	ug/L	ND	1.49	ND																	
MW-23	1,1,2-Trichloroethane	ug/L	ND																			
MW-23	1,1-Dichloroethane	ug/L	ND	ND	2.75	7.79	ND	1.87	1.02	1.92	ND	8.12	4.35	3.18	ND	ND	2.6	ND	ND	9.15	1.58	7.97
MW-23	1,1-Dichloroethene	ug/L	ND																			
MW-23	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-23	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-23	1,2-Dibromoethane	ug/L	ND																			
MW-23	1,2-Dichlorobenzene	ug/L	ND	1.88	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-23	1,2-Dichloroethane	ug/L	ND	34.1	ND	ND	ND	ND	ND	ND												
MW-23	1,2-Dichloropropane	ug/L	ND																			
MW-23	1,4-Dichlorobenzene	ug/L	ND	0.54	2.16	ND																
MW-23	2-Butanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-23	2-Hexanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	2.12	ND	ND	NT	ND						
MW-23	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-23	Acetone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND									
MW-23	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-23	Benzene	ug/L	ND																			
MW-23	Bromochloromethane	ug/L	ND	NT	ND																	
MW-23	Bromodichloromethane	ug/L	ND																			
MW-23	Bromoform	ug/L	ND	1.13	ND																	
MW-23	Bromomethane	ug/L	ND	0.56	ND																	
MW-23	Carbon disulfide	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-23	Carbon Tetrachloride	ug/L	ND																			
MW-23	Chlorobenzene	ug/L	ND																			
MW-23	Chloroethane	ug/L	ND																			
MW-23	Chloroform	ug/L	ND																			
MW-23	cis-1,2-Dichloroethene	ug/L	ND	ND	2.1	7.66	ND	10.41	ND	1.47	1.52	16.28	4.91	11.4	ND	ND	2.8	ND	ND	19.7	2.73	18.8
MW-23	cis-1,3-Dichloropropene	ug/L	ND																			
MW-23	Dibromochloromethane	ug/L	ND																			
MW-23	Dibromomethane	ug/L	ND																			
MW-23	Ethylbenzene	ug/L	ND																			
MW-23	Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	NT	ND	3.9	ND	18.5	ND	13.3	ND
MW-23	Methyl Iodide	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	NT	ND						
MW-23	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND									
MW-23	ortho-Xylene	ug/L	ND	0.56	ND																	
MW-23	para-Xylene & meta-Xylene	ug/L	ND																			
MW-23	Styrene	ug/L	ND																			
MW-23	Tetrachloroethene	ug/L	2.04	1.12	4.9	16.63	1.73	20.54	2.3	5.32	3.58	30.1	8.01	19.8	3.09	28.8	4.2	19	ND	33.1	5.51	28.9
MW-23	Toluene	ug/L	ND																			
MW-23	trans-1,2-Dichloroethene	ug/L	ND	1.4	ND	ND	ND	ND														
MW-23	trans-1,3-Dichloropropene	ug/L	ND																			
MW-23	trans-1,4-Dichloro-2-buten	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-23	Trichloroethene	ug/L	ND	ND	2.39	7.47	ND	7.63	ND	1.72	ND	9.89	3.35	6.67	ND	9.65	1.6	ND	ND	10.7	1.82	10.5
MW-23	Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-23	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-23	Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	2.68	ND	ND	0.91	1.02	ND	1.71	ND							

ND: Not Detected  
 NT: Not Tested  
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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-24	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-24	1,1,1-Trichloroethane	ug/L	ND																			
MW-24	1,1,2,2-Tetrachloroethane	ug/L	ND	1.47	ND																	
MW-24	1,1,2-Trichloroethane	ug/L	ND																			
MW-24	1,1-Dichloroethane	ug/L	1.35	1.2	1.41	1.5	ND	ND	1.06	ND	ND	1.16	1.16	ND								
MW-24	1,1-Dichloroethene	ug/L	ND																			
MW-24	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-24	1,2-Dibromo-3-chloropropane	ug/L	ND																			
MW-24	1,2-Dibromoethane	ug/L	ND																			
MW-24	1,2-Dichlorobenzene	ug/L	ND	1.78	NT	ND	NT	ND	ND	ND	ND	ND	ND									
MW-24	1,2-Dichloroethane	ug/L	ND																			
MW-24	1,2-Dichloropropane	ug/L	ND																			
MW-24	1,4-Dichlorobenzene	ug/L	ND	1.97	ND																	
MW-24	2-Butanone	ug/L	1.16	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-24	2-Hexanone	ug/L	ND	NT	NT	NT	1.77	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-24	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	1.91	NT	ND	ND	ND	ND	ND	ND
MW-24	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-24	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND
MW-24	Benzene	ug/L	ND																			
MW-24	Bromochloromethane	ug/L	ND	NT	ND																	
MW-24	Bromodichloromethane	ug/L	ND																			
MW-24	Bromoform	ug/L	ND	1.04	ND																	
MW-24	Bromomethane	ug/L	ND	0.71	ND																	
MW-24	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-24	Carbon Tetrachloride	ug/L	ND																			
MW-24	Chlorobenzene	ug/L	ND																			
MW-24	Chloroethane	ug/L	ND																			
MW-24	Chloroform	ug/L	ND	0.8	ND																	
MW-24	cis-1,2-Dichloroethene	ug/L	ND	1.3	1.25	1.25	ND	ND	ND	ND	ND	ND	1.23	ND	1.04							
MW-24	cis-1,3-Dichloropropene	ug/L	ND																			
MW-24	Dibromochloromethane	ug/L	ND																			
MW-24	Dibromomethane	ug/L	ND																			
MW-24	Ethylbenzene	ug/L	ND																			
MW-24	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-24	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-24	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-24	ortho-Xylene	ug/L	ND																			
MW-24	para-Xylene & meta-Xylene	ug/L	ND																			
MW-24	Styrene	ug/L	ND																			
MW-24	Tetrachloroethene	ug/L	3.48	2.4	2.27	2.69	2.23	2.73	2.2	ND	ND	3.15	1.76	1.8	2.59	ND	1.3	2.1	ND	2.3	ND	1.99
MW-24	Toluene	ug/L	ND																			
MW-24	trans-1,2-Dichloroethene	ug/L	ND																			
MW-24	trans-1,3-Dichloropropene	ug/L	ND																			
MW-24	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-24	Trichloroethene	ug/L	1.53	1.01	ND	1.45	ND	1.07	ND	ND	1.21	1.21	1.01	ND								
MW-24	Trichlorofluoromethane	ug/L	ND																			
MW-24	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-24	Vinyl Chloride	ug/L	ND																			

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-25	1,1,1,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-25	1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	1.54	ND								
MW-25	1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	1,1-Dichloroethane	ug/L	ND	ND	ND	1.51	ND	ND	NT	ND												
MW-25	1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	1,2,3-Trichloropropane	ug/L	ND	ND	ND	8.54	ND	ND	NT	ND	ND	ND	ND	NT	ND							
MW-25	1,2-Dibromo-3-chloropropane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	1,2-Dibromoethane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	1.92	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-25	1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	1.92	ND								
MW-25	2-Butanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-25	2-Hexanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	1.97	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-25	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-25	Acetone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND								
MW-25	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND
MW-25	Benzene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Bromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND							
MW-25	Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Bromoform	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Carbon disulfide	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-25	Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Chloroform	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	cis-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Dibromomethane	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-25	Methyl Iodide	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-25	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-25	ortho-Xylene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	para-Xylene & meta-Xylene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Styrene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	Tetrachloroethene	ug/L	ND	ND	ND	2.01	1.14	ND	NT	ND												
MW-25	Toluene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												
MW-25	trans-1,4-Dichloro-2-buten	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-25	Trichloroethene	ug/L	ND	ND	ND	2.54	ND	ND	NT	ND												
MW-25	Trichlorofluoromethane	ug/L	ND	ND	ND	1.13	ND	ND	NT	ND												
MW-25	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-25	Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	NT	ND												

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-26	1,1,1,2-Tetrachloroethane	ug/L	ND	NS	ND	NT	ND	ND	ND	ND	ND	ND										
MW-26	1,1,1-Trichloroethane	ug/L	ND	NS	ND																	
MW-26	1,1,2,2-Tetrachloroethane	ug/L	ND	1.58	NS	ND																
MW-26	1,1,2-Trichloroethane	ug/L	ND	NS	ND																	
MW-26	1,1-Dichloroethane	ug/L	ND	2.58	ND	ND	ND	NS	ND													
MW-26	1,1-Dichloroethene	ug/L	ND	NS	ND																	
MW-26	1,2,3-Trichloropropane	ug/L	ND	NS	ND																	
MW-26	1,2-Dibromo-3-chloropropane	ug/L	ND	NS	ND																	
MW-26	1,2-Dibromoethane	ug/L	ND	NS	ND																	
MW-26	1,2-Dichlorobenzene	ug/L	ND	1.79	NS	ND	NT	ND	ND	ND	ND	ND	ND									
MW-26	1,2-Dichloroethane	ug/L	ND	NS	ND																	
MW-26	1,2-Dichloropropane	ug/L	ND	NS	ND																	
MW-26	1,4-Dichlorobenzene	ug/L	ND	1.93	NS	ND																
MW-26	2-Butanone	ug/L	ND	NT	NT	NT	ND	NS	ND	NT	ND	ND	ND	ND	ND	ND						
MW-26	2-Hexanone	ug/L	ND	NT	NT	NT	1.85	NS	ND	NT	ND	ND	ND	ND	ND	ND						
MW-26	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NS	ND	NT	ND	ND	ND	ND	ND	ND
MW-26	Acetone	ug/L	ND	NT	NT	NT	NT	NS	ND													
MW-26	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NS	ND	NT	ND	ND	ND	ND	ND	ND
MW-26	Benzene	ug/L	ND	NS	ND																	
MW-26	Bromochloromethane	ug/L	ND	NS	ND																	
MW-26	Bromodichloromethane	ug/L	ND	NS	ND																	
MW-26	Bromoform	ug/L	ND	NS	ND																	
MW-26	Bromomethane	ug/L	ND	0.57	ND	ND	ND	NS	ND													
MW-26	Carbon disulfide	ug/L	ND	NT	NT	NT	NT	NS	ND	NT	ND	ND	ND	ND	ND	ND						
MW-26	Carbon Tetrachloride	ug/L	ND	NS	ND																	
MW-26	Chlorobenzene	ug/L	ND	NS	ND																	
MW-26	Chloroethane	ug/L	ND	NS	ND																	
MW-26	Chloroform	ug/L	ND	NS	ND																	
MW-26	cis-1,2-Dichloroethene	ug/L	ND	NS	ND																	
MW-26	cis-1,3-Dichloropropene	ug/L	ND	NS	ND																	
MW-26	Dibromochloromethane	ug/L	ND	NS	ND																	
MW-26	Dibromomethane	ug/L	ND	NS	ND																	
MW-26	Ethylbenzene	ug/L	ND	NS	ND																	
MW-26	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	NS	ND	NT	ND	ND	ND	ND	ND	ND						
MW-26	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	NS	ND	NT	ND	ND	ND	ND	ND	ND						
MW-26	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NS	ND							
MW-26	ortho-Xylene	ug/L	ND	NS	ND																	
MW-26	para-Xylene & meta-Xylene	ug/L	ND	NS	ND																	
MW-26	Styrene	ug/L	ND	NS	ND																	
MW-26	Tetrachloroethene	ug/L	ND	8.47	ND	ND	ND	NS	ND													
MW-26	Toluene	ug/L	ND	NS	ND																	
MW-26	trans-1,2-Dichloroethene	ug/L	ND	NS	ND																	
MW-26	trans-1,3-Dichloropropene	ug/L	ND	NS	ND																	
MW-26	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	NS	ND	NT	ND	ND	ND	ND	ND	ND						
MW-26	Trichloroethene	ug/L	ND	3.85	ND	ND	ND	NS	ND													
MW-26	Trichlorofluoromethane	ug/L	ND	NS	ND																	
MW-26	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NS	ND	NT	ND	ND	ND	ND	ND	ND
MW-26	Vinyl Chloride	ug/L	ND	0.52	ND	ND	ND	NS	ND													

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-27	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND												
MW-27	1,1,1-Trichloroethane	ug/L	ND																			
MW-27	1,1,2,2-Tetrachloroethane	ug/L	ND	1.6	ND																	
MW-27	1,1,2-Trichloroethane	ug/L	ND																			
MW-27	1,1-Dichloroethane	ug/L	ND																			
MW-27	1,1-Dichloroethene	ug/L	ND																			
MW-27	1,2,3-Trichloropropane	ug/L	ND	NT	ND																	
MW-27	1,2-Dibromo-3-chloropropane	ug/L	ND	ND	1.22	ND																
MW-27	1,2-Dibromoethane	ug/L	ND																			
MW-27	1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.78	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-27	1,2-Dichloroethane	ug/L	ND																			
MW-27	1,2-Dichloropropane	ug/L	ND																			
MW-27	1,4-Dichlorobenzene	ug/L	ND	ND	1.48	ND	ND	1.24	ND	ND	ND	ND	1.85	ND								
MW-27	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-27	2-Hexanone	ug/L	ND	NT	NT	NT	2.12	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-27	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
MW-27	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-27	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND
MW-27	Benzene	ug/L	ND																			
MW-27	Bromochloromethane	ug/L	ND	NT	ND																	
MW-27	Bromodichloromethane	ug/L	ND																			
MW-27	Bromoform	ug/L	ND																			
MW-27	Bromomethane	ug/L	ND																			
MW-27	Carbon disulfide	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-27	Carbon Tetrachloride	ug/L	ND																			
MW-27	Chlorobenzene	ug/L	ND																			
MW-27	Chloroethane	ug/L	ND																			
MW-27	Chloroform	ug/L	ND																			
MW-27	cis-1,2-Dichloroethene	ug/L	ND																			
MW-27	cis-1,3-Dichloropropene	ug/L	ND																			
MW-27	Dibromochloromethane	ug/L	ND																			
MW-27	Dibromomethane	ug/L	ND																			
MW-27	Ethylbenzene	ug/L	ND																			
MW-27	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-27	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-27	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND								
MW-27	ortho-Xylene	ug/L	ND																			
MW-27	para-Xylene & meta-Xylene	ug/L	ND																			
MW-27	Styrene	ug/L	ND																			
MW-27	Tetrachloroethene	ug/L	ND	ND	1.14	ND																
MW-27	Toluene	ug/L	ND																			
MW-27	trans-1,2-Dichloroethene	ug/L	ND																			
MW-27	trans-1,3-Dichloropropene	ug/L	ND																			
MW-27	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
MW-27	Trichloroethene	ug/L	ND	2.16	ND																	
MW-27	Trichlorofluoromethane	ug/L	ND																			
MW-27	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
MW-27	Vinyl Chloride	ug/L	ND																			

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## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
SW-20	1,1,1,2-Tetrachloroethane	ug/L	ND	NS	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-20	1,1,1-Trichloroethane	ug/L	ND	NS	ND																	
SW-20	1,1,2,2-Tetrachloroethane	ug/L	ND	NS	ND	ND	1.65	ND														
SW-20	1,1,2-Trichloroethane	ug/L	ND	NS	ND																	
SW-20	1,1-Dichloroethane	ug/L	ND	NS	ND																	
SW-20	1,1-Dichloroethene	ug/L	ND	NS	ND																	
SW-20	1,2,3-Trichloropropane	ug/L	ND	NS	ND	ND	ND	NT	ND													
SW-20	1,2-Dibromo-3-chloropropane	ug/L	ND	1.1	ND	ND	ND	ND	ND	NS	ND											
SW-20	1,2-Dibromoethane	ug/L	ND	NS	ND																	
SW-20	1,2-Dichlorobenzene	ug/L	ND	NS	ND	ND	1.94	NT	ND	NT	ND	ND	ND	ND	ND	ND						
SW-20	1,2-Dichloroethane	ug/L	ND	NS	ND																	
SW-20	1,2-Dichloropropane	ug/L	ND	NS	ND																	
SW-20	1,4-Dichlorobenzene	ug/L	ND	NS	ND	ND	1.96	ND														
SW-20	2-Butanone	ug/L	ND	ND	ND	4.22	ND	ND	ND	NS	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND
SW-20	2-Hexanone	ug/L	ND	NS	NT	NT	1.8	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-20	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
SW-20	Acetone	ug/L	ND	NS	NT	NT	NT	ND														
SW-20	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND
SW-20	Benzene	ug/L	ND	NS	ND																	
SW-20	Bromochloromethane	ug/L	ND	NS	ND	ND	ND	NT	ND													
SW-20	Bromodichloromethane	ug/L	ND	NS	ND																	
SW-20	Bromoform	ug/L	ND	NS	ND																	
SW-20	Bromomethane	ug/L	ND	NS	ND																	
SW-20	Carbon disulfide	ug/L	ND	NS	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-20	Carbon Tetrachloride	ug/L	ND	NS	ND																	
SW-20	Chlorobenzene	ug/L	ND	NS	ND																	
SW-20	Chloroethane	ug/L	ND	NS	ND																	
SW-20	Chloroform	ug/L	ND	NS	ND																	
SW-20	cis-1,2-Dichloroethene	ug/L	ND	NS	ND																	
SW-20	cis-1,3-Dichloropropene	ug/L	ND	NS	ND																	
SW-20	Dibromochloromethane	ug/L	ND	NS	ND																	
SW-20	Dibromomethane	ug/L	ND	NS	ND																	
SW-20	Ethylbenzene	ug/L	ND	NS	ND																	
SW-20	Methylene Chloride	ug/L	ND	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-20	Methyl Iodide	ug/L	ND	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-20	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND	ND	NT	ND								
SW-20	ortho-Xylene	ug/L	ND	NS	ND																	
SW-20	para-Xylene & meta-Xylene	ug/L	ND	NS	ND																	
SW-20	Styrene	ug/L	ND	NS	ND																	
SW-20	Tetrachloroethene	ug/L	ND	NS	ND																	
SW-20	Toluene	ug/L	ND	NS	ND																	
SW-20	trans-1,2-Dichloroethene	ug/L	ND	NS	ND																	
SW-20	trans-1,3-Dichloropropene	ug/L	ND	NS	ND																	
SW-20	trans-1,4-Dichloro-2-buten	ug/L	ND	NS	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-20	Trichloroethene	ug/L	ND	NS	ND																	
SW-20	Trichlorofluoromethane	ug/L	ND	NS	ND																	
SW-20	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
SW-20	Vinyl Chloride	ug/L	ND	NS	ND																	

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

## TABLE 2: Volatile Organic Compounds - 7 Year Summary

Sample Name	Parameter	Units	Jan-05	Apr-05	Jul-05	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
SW-30	1,1,1,2-Tetrachloroethane	ug/L	ND	NS	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-30	1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	1.14	ND	ND	NS	ND											
SW-30	1,1,2,2-Tetrachloroethane	ug/L	ND	NS	ND	ND	2.63	ND														
SW-30	1,1,2-Trichloroethane	ug/L	ND	NS	ND																	
SW-30	1,1-Dichloroethane	ug/L	ND	NS	ND																	
SW-30	1,1-Dichloroethene	ug/L	ND	NS	ND																	
SW-30	1,2,3-Trichloropropane	ug/L	ND	NS	ND	ND	ND	NT	ND													
SW-30	1,2-Dibromo-3-chloropropane	ug/L	ND	NS	ND																	
SW-30	1,2-Dibromoethane	ug/L	ND	NS	ND																	
SW-30	1,2-Dichlorobenzene	ug/L	ND	NS	ND	ND	2.27	NT	ND	NT	ND	ND	ND	ND	ND	ND						
SW-30	1,2-Dichloroethane	ug/L	ND	NS	ND																	
SW-30	1,2-Dichloropropane	ug/L	ND	NS	ND																	
SW-30	1,4-Dichlorobenzene	ug/L	ND	NS	ND	ND	2.18	ND														
SW-30	2-Butanone	ug/L	ND	NS	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-30	2-Hexanone	ug/L	ND	NS	NT	NT	9.49	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-30	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND
SW-30	Acetone	ug/L	ND	NS	NT	NT	NT	ND														
SW-30	Acrylonitrile	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND
SW-30	Benzene	ug/L	ND	NS	ND																	
SW-30	Bromochloromethane	ug/L	ND	NS	ND	ND	ND	NT	ND													
SW-30	Bromodichloromethane	ug/L	ND	NS	ND																	
SW-30	Bromoform	ug/L	ND	NS	ND	ND	1.7	ND														
SW-30	Bromomethane	ug/L	ND	NS	ND																	
SW-30	Carbon disulfide	ug/L	ND	NS	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-30	Carbon Tetrachloride	ug/L	ND	NS	ND																	
SW-30	Chlorobenzene	ug/L	ND	NS	ND																	
SW-30	Chloroethane	ug/L	ND	NS	ND																	
SW-30	Chloroform	ug/L	ND	NS	ND																	
SW-30	cis-1,2-Dichloroethene	ug/L	ND	NS	ND																	
SW-30	cis-1,3-Dichloropropene	ug/L	ND	NS	ND																	
SW-30	Dibromochloromethane	ug/L	ND	NS	ND																	
SW-30	Dibromomethane	ug/L	ND	NS	ND																	
SW-30	Ethylbenzene	ug/L	ND	NS	ND																	
SW-30	Methylene Chloride	ug/L	ND	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-30	Methyl Iodide	ug/L	ND	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-30	Methyl Tertiary Butyl Ether	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	ND	ND	NT	ND								
SW-30	ortho-Xylene	ug/L	ND	NS	ND																	
SW-30	para-Xylene & meta-Xylene	ug/L	ND	NS	ND																	
SW-30	Styrene	ug/L	ND	NS	ND																	
SW-30	Tetrachloroethene	ug/L	ND	NS	ND																	
SW-30	Toluene	ug/L	ND	NS	ND																	
SW-30	trans-1,2-Dichloroethene	ug/L	ND	NS	ND																	
SW-30	trans-1,3-Dichloropropene	ug/L	ND	NS	ND																	
SW-30	trans-1,4-Dichloro-2-buten	ug/L	ND	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND						
SW-30	Trichloroethene	ug/L	ND	NS	ND																	
SW-30	Trichlorofluoromethane	ug/L	ND	NS	ND																	
SW-30	Vinyl Acetate	ug/L	ND	ND	ND	ND	ND	ND	NT	NS	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND	ND
SW-30	Vinyl Chloride	ug/L	ND	NS	ND																	

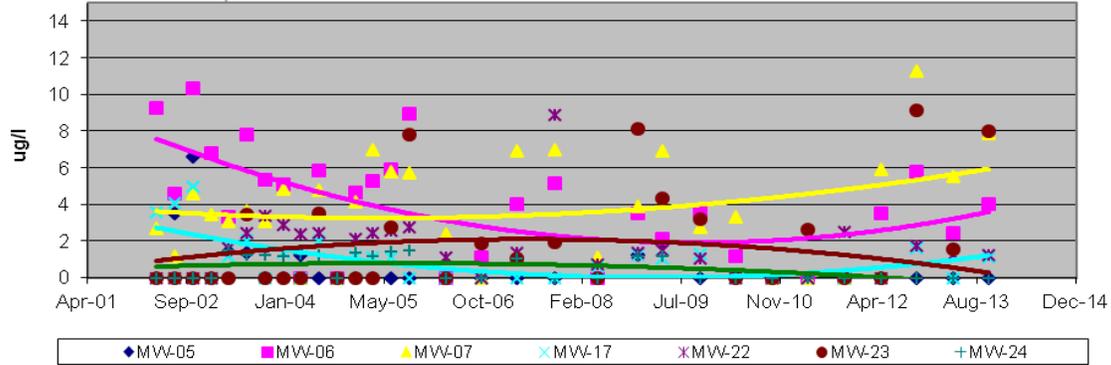
ND: Not Detected  
 NT: Not Tested  
 NS: Not Sampled

**Appendix C**

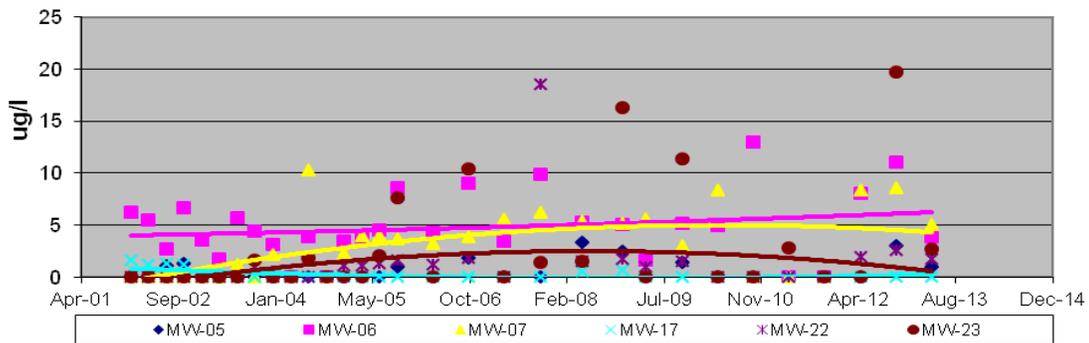
**Volatile Organic Compounds**

**Trend Analysis**

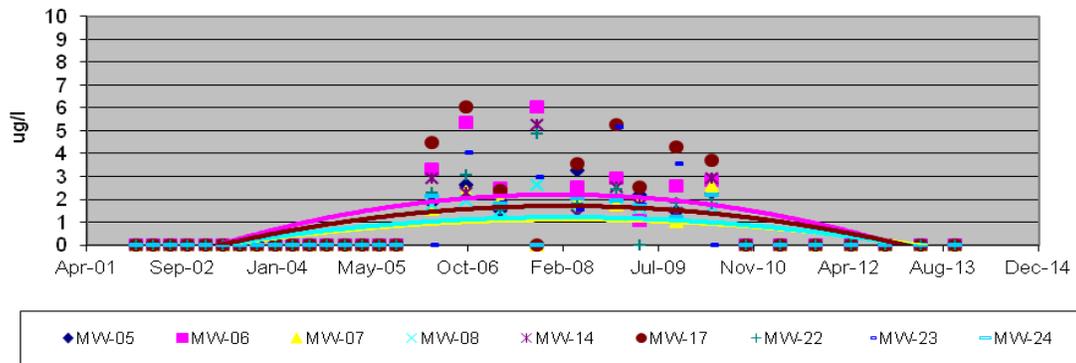
**1,1-Dichloroethane Concentration Trends at Oaks Landfill**



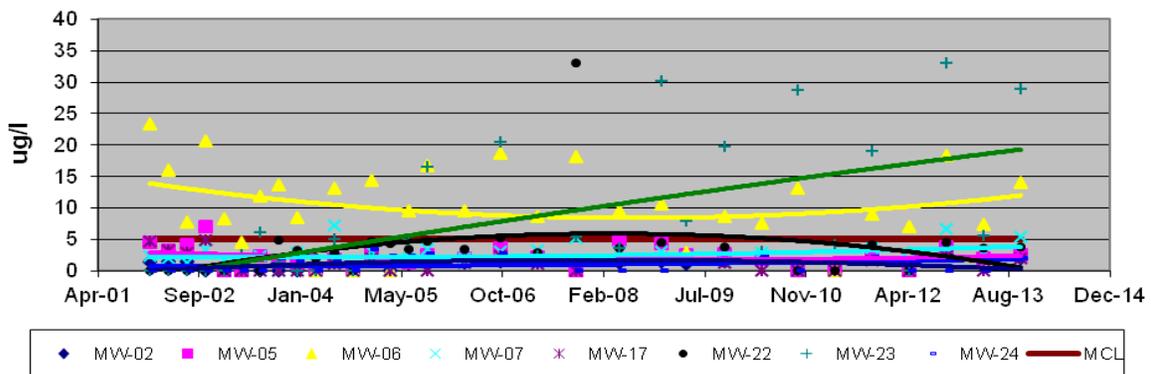
**cis-1,2-Dichloroethene Concentration Trends at Oaks Landfill**



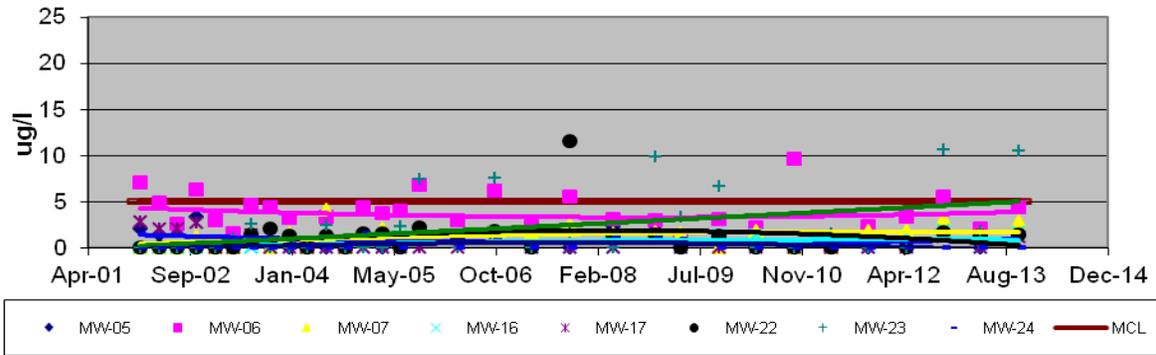
**Dichlorodifluoromethane Concentration Trends at Oaks Landfill**



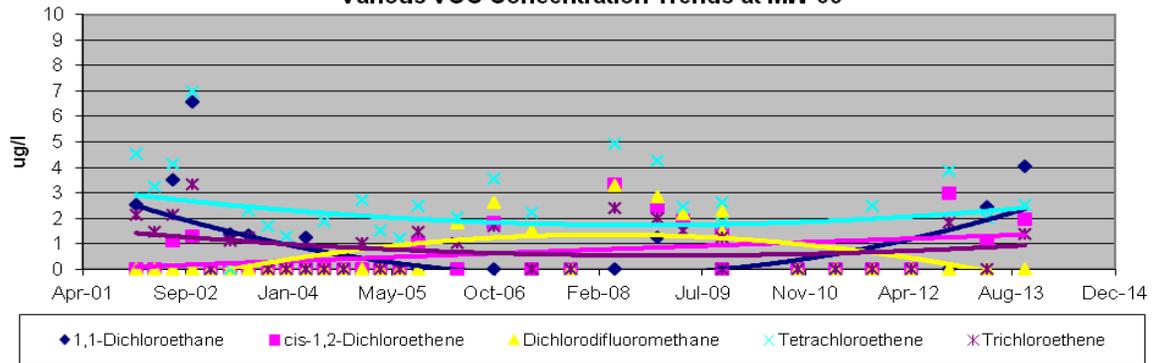
**Tetrachloroethene Concentration Trends at Oaks Landfill**



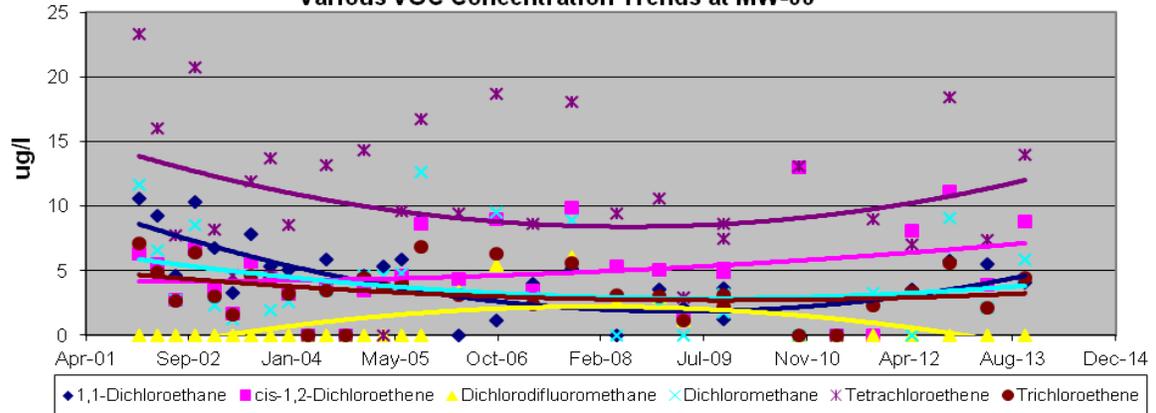
**Trichloroethene Concentration Trends at Oaks Landfill**



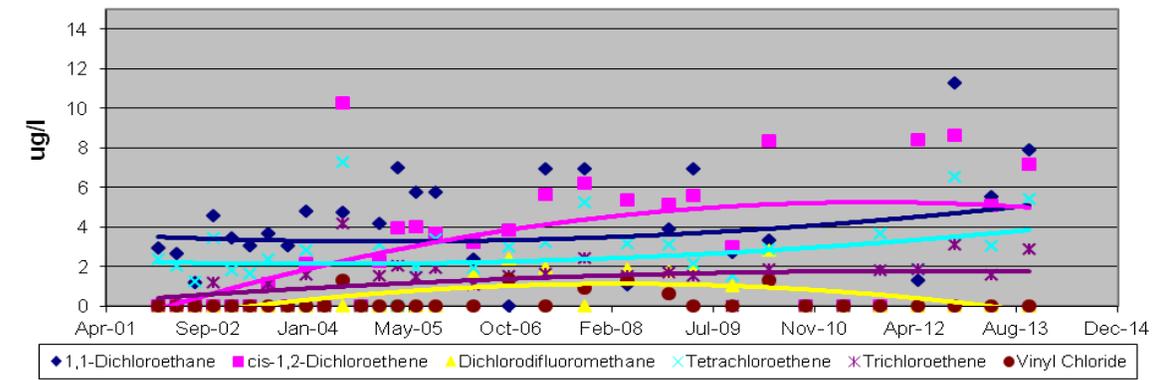
**Various VOC Concentration Trends at MW-05**

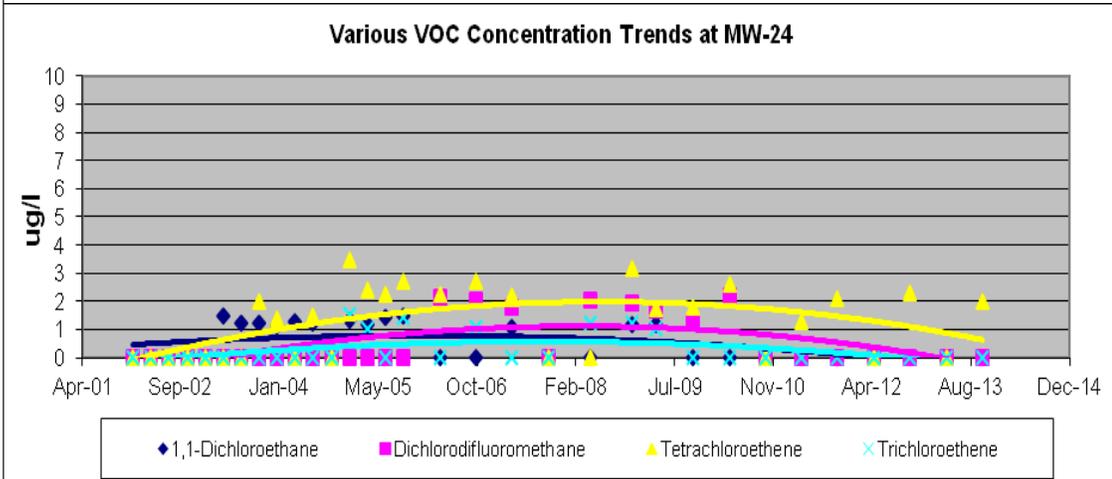
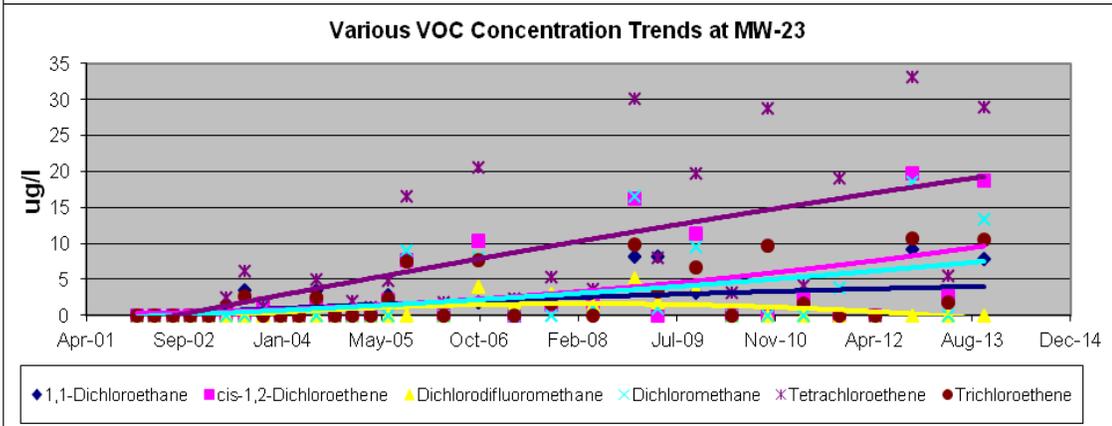
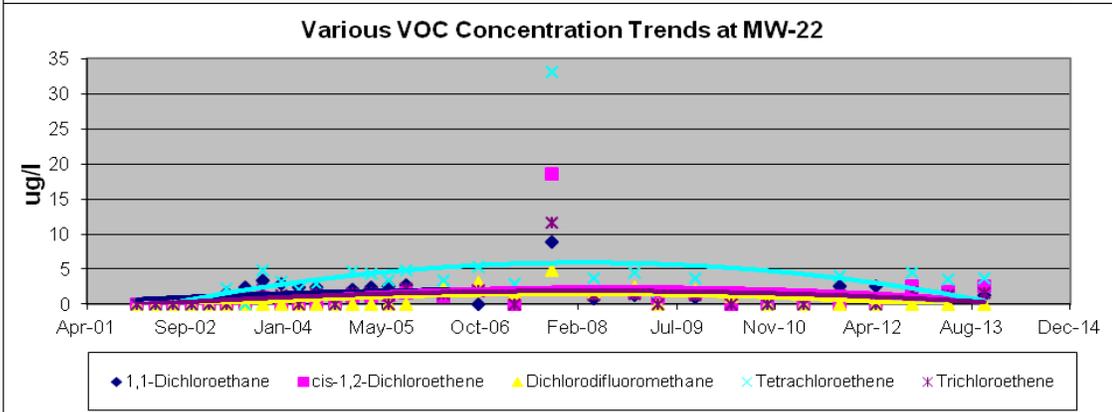
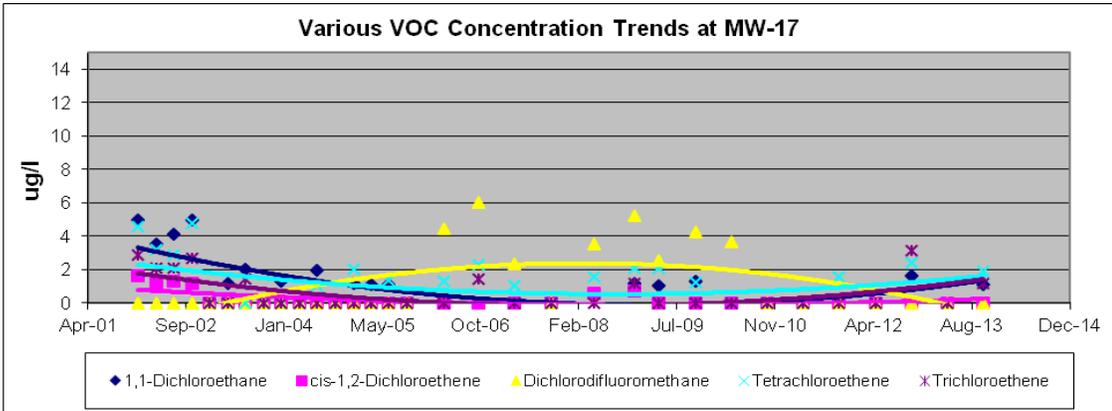


**Various VOC Concentration Trends at MW-06**

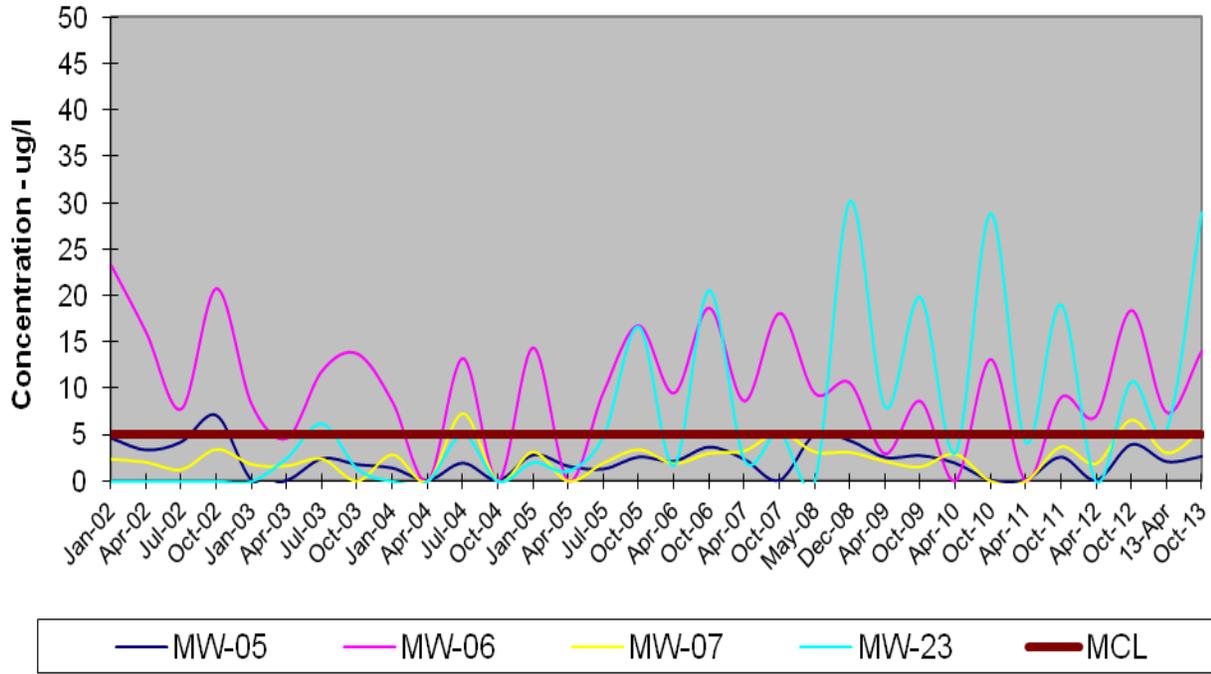


**Various VOC Concentration Trends at MW-07**

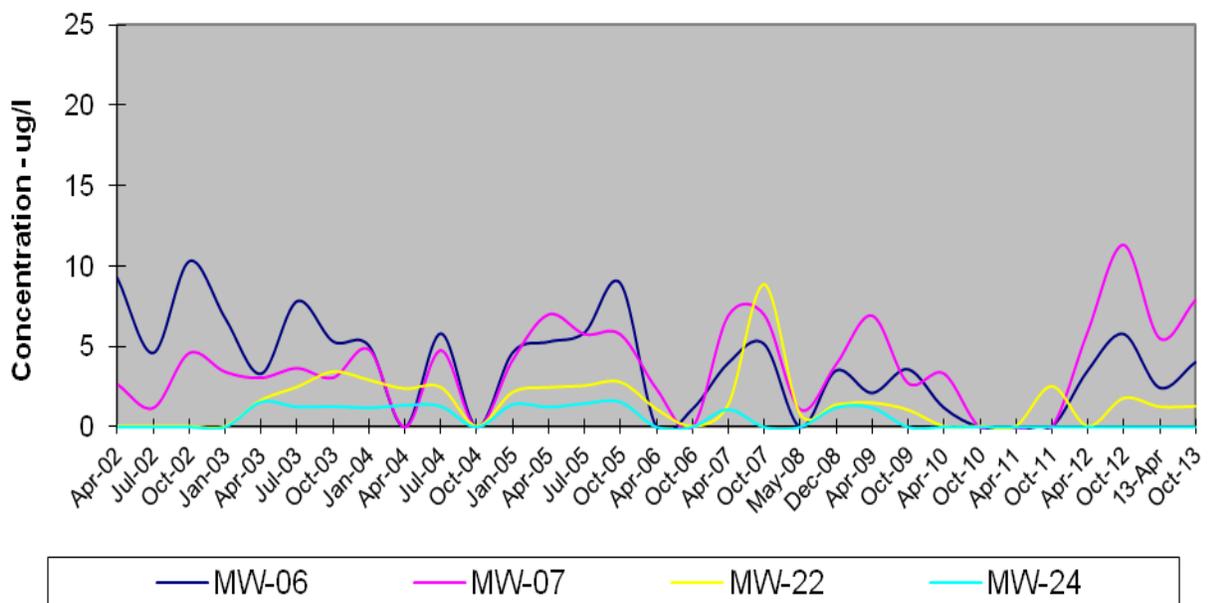




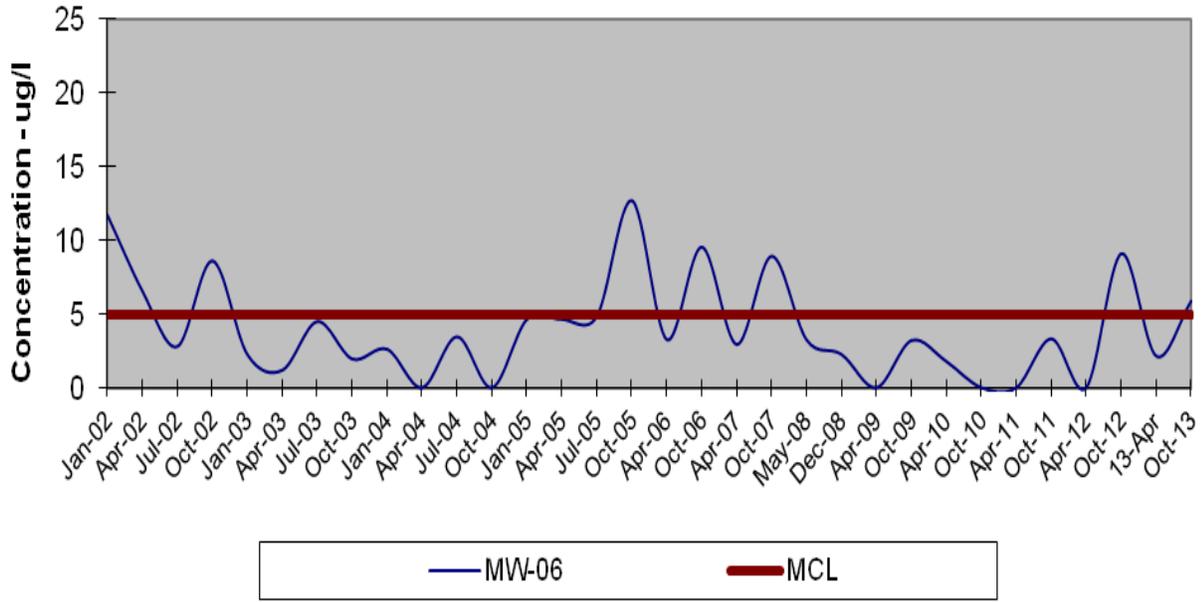
### Tetrachloroethene Concentration Trend at Oaks Landfill



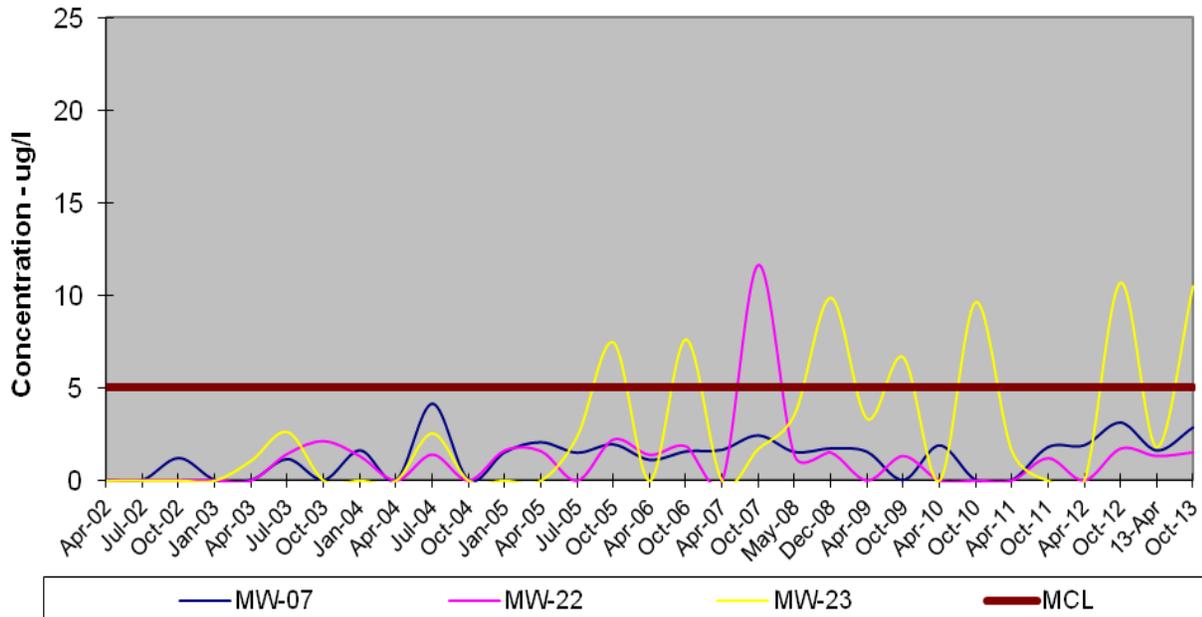
### 1,1-Dichloroethane Concentration Trend at Oaks Landfill



### Dichloromethane Concentration Trend at Oaks Landfill Monitoring Well MW-06



### Trichloroethene Concentration Trend at Oaks Landfill



# **Appendix D**

## **Tables of Metals**

**Results in (mg/l)**

**TABLE 3**  
**ELEMENTS and Indicator Parameters**

Parameter	Detection Limit	Units	MCL	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10
Alkalinity		mg/L		29	35	9	13.9	23	50	42	34	47	22
Ammonia		mg/L as N		ND									
Antimony		mg/L		ND									
Arsenic	0.005	mg/L	0.01	ND									
Barium	0.005	mg/L	2	0.0165	0.0098	0.0187	0.0403	0.0231	0.0582	0.0204	0.0359	0.0184	0.0083
Beryllium	0.005	mg/L	0.004	ND									
Cadmium	0.005	mg/L	0.005	ND									
Chloride		mg/L		11.4	4.95	41.6	12.4	4.8	14	12.3	6.1	4.35	4.3
Chromium	0.005	mg/L	0.1	ND	ND	0.0123	ND						
Cobalt	0.005	mg/L		ND									
COD		mg/L		ND									
Copper	0.005	mg/L	1.3	0.0073	0.0052	0.0126	0.0091	0.0073	0.0111	0.0054	0.0088	ND	0.005
Hardness		mg/L		40	42	60	54	46	98	46	46	46	20
Iron	0.5	mg/L		ND	ND	1.06	ND	0.313	0.2	ND	ND	0.836	ND
Lead	0.005	mg/L	0.015	ND									
Manganese		mg/L		ND	ND	0.0204	0.011	0.0153	0.291	0.0058	0.0106	0.13	ND
Mercury	0.0002	mg/L	0.002	ND	ND	ND	ND	ND	0.0008	ND	ND	ND	ND
Nickel	0.005	mg/L		ND	ND	0.0081	0.006	ND	0.0093	ND	0.008	ND	ND
Nitrate		mg/L as N	10	2.57	3.1	5.08	3.26	1.46	3.59	1.52	1.19	0.964	0.908
Selenium	0.005	mg/L	0.05	ND									
Silver	0.005	mg/L		ND									
TDS		mg/L		92	86	158	116	72	150	98	76	86	50
Thallium	0.005	mg/L	0.002	ND									
Vanadium	0.005	mg/L		ND									
Zinc	0.005	mg/L		0.0099	0.0071	0.0171	0.0233	0.012	0.0267	0.0102	0.0186	ND	ND

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

**TABLE 3**  
**ELEMENTS and Indicator Parameters**

Parameter	Detection Limit	Units	MCL	MW-11	MW-12	MW-13	MW-14	MM-15	MW-16	MW-17	MW-18A	MW-19	MW-20
Alkalinity		mg/L		16.7	31	20	156	30	25	6.4	4.5	4.9	29
Ammonia		mg/L as N		ND	ND	ND							
Antimony		mg/L		ND	ND	ND							
Arsenic	0.005	mg/L	0.01	ND	ND	ND							
Barium	0.005	mg/L	2	0.0193	0.008	0.013	0.0445	0.0984	0.0337	0.0414	0.024	0.0475	0.0272
Beryllium	0.005	mg/L	0.004	ND	ND	ND							
Cadmium	0.005	mg/L	0.005	ND	ND	ND							
Chloride		mg/L		5.03	ND	5.13	6.01	15	19.5	6.14	3.12	11.8	3.44
Chromium	0.005	mg/L	0.1	ND	ND	ND							
Cobalt	0.005	mg/L		ND	ND	ND							
COD		mg/L		ND	ND	ND							
Copper	0.005	mg/L	1.3	0.0099	ND	0.0067	0.0114	0.0087	0.0076	0.0104	0.00675	0.0068	0.00668
Hardness		mg/L		20	20	28	156	48	70	30	16	26	30
Iron	0.5	mg/L		0.412	ND	0.788	3.98	ND	ND	ND	ND	ND	ND
Lead	0.005	mg/L	0.015	ND	ND	ND	0.0054	ND	ND	ND	ND	ND	ND
Manganese		mg/L		0.0226	ND	0.0134	0.132	0.0058	0.0302	0.0149	0.011	0.0126	ND
Mercury	0.0002	mg/L	0.002	ND	ND	ND							
Nickel	0.005	mg/L		ND	ND	ND	0.0068	ND	0.0073	0.0062	ND	ND	ND
Nitrate		mg/L as N	10	2.97	0.241	1.16	2.54	2.87	5.14	4.98	2.43	3.04	2.11
Selenium	0.005	mg/L	0.05	ND	ND	ND							
Silver	0.005	mg/L		ND	ND	ND							
TDS		mg/L		68	72	66	258	134	114	72	42	60	78
Thallium	0.005	mg/L	0.002	ND	ND	ND							
Vanadium	0.005	mg/L		ND	ND	ND	0.0069	ND	ND	ND	ND	ND	ND
Zinc	0.005	mg/L		0.0181	0.0067	0.0094	0.0125	0.0186	0.0244	0.029	0.00965	0.0172	0.0118

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

**TABLE 3**  
**ELEMENTS and Indicator Parameters**

Parameter	Detection Limit	Units	MCL	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	MW-27	SW-20	SW-30
Alkalinity		mg/L		42	39	23	29	5.9	11.6	5.7	44	89
Ammonia		mg/L as N		ND								
Antimony		mg/L		ND								
Arsenic	0.005	mg/L	0.01	ND								
Barium	0.005	mg/L	2	0.0222	0.0486	0.0461	0.0378	0.0934	0.0423	0.0327	0.0227	0.0425
Beryllium	0.005	mg/L	0.004	ND								
Cadmium	0.005	mg/L	0.005	ND								
Chloride		mg/L		20	7.86	11.9	15.5	74.6	45.1	21.8	3.17	4.3
Chromium	0.005	mg/L	0.1	0.0055	ND							
Cobalt	0.005	mg/L		ND								
COD		mg/L		14.9	ND	ND	ND	ND	ND	ND	24.6	18.6
Copper	0.005	mg/L	1.3	0.005	0.0126	0.0089	0.0076	0.0159	0.0108	0.0065	ND	0.0058
Hardness		mg/L		60	70	40	66	90	62	24	50	132
Iron	0.5	mg/L		0.207	ND	ND	ND	0.313	1.01	ND	1.54	0.665
Lead	0.005	mg/L	0.015	ND								
Manganese		mg/L		0.0394	0.0081	0.142	0.0352	0.0142	0.0155	0.0156	0.0887	0.0686
Mercury	0.0002	mg/L	0.002	ND	ND	0.0004	ND	ND	ND	ND	ND	ND
Nickel	0.005	mg/L		ND	ND	0.0076	ND	0.0074	ND	ND	ND	ND
Nitrate		mg/L as N	10	2.1	2.5	4.03	3.33	3.65	2.35	2.71	ND	ND
Selenium	0.005	mg/L	0.05	ND								
Silver	0.005	mg/L		ND								
TDS		mg/L		136	112	98	120	228	144	88	94	220
Thallium	0.005	mg/L	0.002	ND								
Vanadium	0.005	mg/L		ND								
Zinc	0.005	mg/L		0.007	0.0294	0.0243	0.0116	0.0329	0.0208	0.0098	0.0073	0.0055

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

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-01	Alkalinity	mg/L	NS	32	34	32	26	NT	NT	NT	NT	NT	30	32	30	31	24	30	29
MW-01	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-01	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-01	Arsenic	mg/L	ND	ND	ND	ND	ND												
MW-01	Barium	mg/L	0.0089	0.0085	ND	0.0107	0.0119	0.0094	0.0148	0.0124	0.0112	0.0128	0.0116	0.0158	0.0145	0.0154	0.016	0.0153	0.0165
MW-01	Beryllium	mg/L	ND	ND	ND	ND	ND												
MW-01	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-01	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	11.4
MW-01	Chloride	mg/L	ND	6.01	7.206	7.1184	7.54	NT	NT	NT	NT	8.53	8.73	9.13	9.83	9.12	10.4	9.49	ND
MW-01	Chromium	mg/L	ND	ND	ND	ND	ND												
MW-01	Cobalt	mg/L	ND	ND	ND	ND	ND												
MW-01	Copper	mg/L	0.0107	0.0077	ND	0.0088	0.01	0.0065	0.0083	0.0109	0.0063	0.0065	0.0068	0.0098	ND	0.00759	ND	0.0076	0.00725
MW-01	Iron	mg/L	ND	ND	ND	0.3752	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-01	Lead	mg/L	ND	ND	ND	ND	ND												
MW-01	Manganese	mg/L	ND	ND	ND	0.0023	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-01	Mercury	mg/L	ND	ND	ND	ND	ND												
MW-01	Nickel	mg/L	ND	ND	ND	ND	ND												
MW-01	Nitrate	mg/L as N	ND	2.6366	2.572	2.9978	2.85	NT	NT	NT	NT	2.98	2.88	2.83	2.68	2.95	2.72	2.67	2.57
MW-01	Selenium	mg/L	ND	ND	ND	ND	ND												
MW-01	Silver	mg/L	ND	ND	ND	ND	ND												
MW-01	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-01	TDS	mg/L	NS	4	NS		100	NT	NT	NT	NT	36	132		72	84	112	80	92
MW-01	Thallium	mg/L	ND	ND	ND	84	ND	ND	ND	ND	ND								
MW-01	Hardness	mg/L	NS	38	38	48	NT	NT	NT	NT	NT	ND	37		40	38	40	36	40
MW-01	Turbidity	NTU	ND	0.21	0.8	0.16	NT	NT	NT	NT	NT	ND	0.468	NT	NT	NT	NT	0	0
MW-01	Vanadium	mg/L	ND	ND	ND	ND	ND												
MW-01	Zinc	mg/L	ND	0.0022	ND	0.0043	0.0053	0.0058	0.007	0.0141	ND	0.006	ND	0.0221	0.00664	0.00969	0.00756	0.0125	0.00993

MW-02	Alkalinity	mg/L	NS	38	40	40	44	NT	NT	NT	NT	NT	35	32	34	41	41	34	35
MW-02	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Antimony	mg/L	0.0069	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Arsenic	mg/L	ND	ND	ND	ND	ND	ND											
MW-02	Barium	mg/L	0.0065	0.0081	ND	ND	0.016	0.0157	0.0128	0.0118	0.0097	0.0116	0.0079	0.0147	0.0118	0.0119	0.00905	0.014	0.0098
MW-02	Beryllium	mg/L	ND	ND	ND	ND	ND	ND											
MW-02	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	6.8	ND	ND	ND	ND	ND	ND
MW-02	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0002	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	4.95
MW-02	Chloride	mg/L	ND	5.63	6.7711	4.6979	19	NT	NT	NT	NT	5.25	5.3	5.65	5.18	4.75	3.86	4.89	ND
MW-02	Chromium	mg/L	0.0043	ND	ND	ND	ND	ND	ND	0.0027	0.0023	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Cobalt	mg/L	ND	ND	ND	ND	ND	ND											
MW-02	Copper	mg/L	0.0133	0.0067	ND	0.006	0.0144	0.0095	0.0087	0.0095	0.0075	0.0087	0.0087	0.009	0.00714	0.00937	0.00705	0.01	0.0052
MW-02	Iron	mg/L	ND	ND	0.7837	ND	1.06	NT	NT	NT	NT	0.628	ND	ND	ND	0.445	ND	0.683	ND
MW-02	Lead	mg/L	ND	ND	ND	ND	ND	ND											
MW-02	Manganese	mg/L	ND	0.007	0.0151	ND	0.0252	NT	NT	NT	NT	0.0135	0.0098	0.00688	0.0107	0.0182	ND	0.0276	ND
MW-02	Mercury	mg/L	ND	ND	ND	ND	ND	ND											
MW-02	Nickel	mg/L	0.0033	0.0022	0.0024	ND	0.0038	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Nitrate	mg/L as N	ND	2.9765	2.8906	3.3482	3.58	NT	NT	NT	NT	3.17	2.81	2.88	3.04	3.15	3.46	3.2	3.1
MW-02	Selenium	mg/L	ND	ND	ND	ND	ND	ND											
MW-02	Silver	mg/L	ND	ND	ND	ND	ND	ND											
MW-02	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	6.87	ND	ND	ND	ND	ND	ND	ND
MW-02	TDS	mg/L	NS	92	332		116	NT	NT	NT	NT	52	112		92	92	132	80	86
MW-02	Thallium	mg/L	ND	ND	ND	84	ND	ND	ND	ND	ND	ND							
MW-02	Hardness	mg/L	NS	44	46	46	NT	NT	NT	NT	NT	ND	38		41	42	46	42	42
MW-02	Turbidity	NTU	ND	3.8	26.1	0.49	NT	NT	NT	NT	NT	ND	21.4	NT	NT	NT	NT	80.8	10.5
MW-02	Vanadium	mg/L	ND	ND	ND	ND	ND	ND											
MW-02	Zinc	mg/L	0.0068	0.0038	ND	0.0105	0.0152	0.011	0.0101	0.0111	ND	0.0059	ND	0.011	0.00708	0.00951	0.0112	0.00943	0.00713

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-03	Alkalinity	mg/L	NS	12	16	16	14	NT	NT	NT	NT	NT	10	18	17	15	13	11	9
MW-03	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-03	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-03	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-03	Barium	mg/L	0.0073	0.007	0.0124	0.0129	ND	0.0091	0.0168	0.0134	0.0114	0.0158	0.0133	0.0245	0.0187	0.0209	0.0176	0.02	0.0187
MW-03	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-03	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	8.3	ND	ND	ND	ND	ND
MW-03	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	41.6
MW-03	Chloride	mg/L	ND	19.5	18.0763	21.9944	3.5	NT	NT	NT	NT	26.9	26.9	28.6	32.7	34.5	34.1	38.6	0.0123
MW-03	Chromium	mg/L	ND	ND	ND	ND	ND	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-03	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-03	Copper	mg/L	0.0135	0.009	0.0106	0.01	0.0086	0.0074	0.0109	0.0128	0.0087	0.0081	0.0097	0.0299	0.0213	0.021	0.00956	0.0162	0.0126
MW-03	Iron	mg/L	ND	ND	1.3596	0.5755	ND	NT	NT	NT	NT	0.583	ND	4.36	1.83	1.76	0.244	1.26	1.06
MW-03	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0081	ND	ND	ND	ND	ND
MW-03	Manganese	mg/L	ND	0.0083	0.0331	0.0182	ND	NT	NT	NT	NT	0.0155	0.0119	0.152	0.0605	0.0732	0.0155	0.0463	0.0204
MW-03	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-03	Nickel	mg/L	0.0029	0.0021	0.0031	3.532	ND	0.0023	ND	0.003	0.0026	ND	ND	0.008	0.00513	0.0103	0.00742	0.00949	0.00805
MW-03	Nitrate	mg/L as N	ND	3.3585	3.5107	0.0033	3.77	NT	NT	NT	NT	3.96	4.26	4.03	4.44	4.56	5.16	4.85	5.08
MW-03	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-03	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-03	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	2.3	ND	ND	ND	ND	ND	ND	ND
MW-03	TDS	mg/L	NS	56	408	ND	72	NT	NT	NT	NT	88	180		132	136	152	148	158
MW-03	Thallium	mg/L	ND	ND	ND	80	ND	ND	ND	ND	ND	ND	ND						
MW-03	Hardness	mg/L	NS	28	34	36	NT	NT	NT	NT	NT	ND	42		50	56	54	56	60
MW-03	Turbidity	NTU	ND	3.52	25.9	1.18	NT	NT	NT	NT	NT	ND	9.34	NT	NT	NT	NT	27.7	18.9
MW-03	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-03	Zinc	mg/L	0.0066	0.0045	ND	0.0166	0.006	0.0106	0.012	0.0147	ND	0.0071	0.00678	0.0395	0.0217	0.0224	0.0177	0.0219	0.0171

MW-04	Alkalinity	mg/L	NS	30	24	28	14	NT	NT	NT	NT	NT	19	22	20	21	14	15	13.9
MW-04	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-04	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-04	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-04	Barium	mg/L	0.0287	0.036	0.033	0.0379	0.027	0.0329	0.0403	0.0492	0.0352	0.0389	0.034	0.0443	0.00862	0.0403	0.0424	0.0428	0.0403
MW-04	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-04	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	12.4	ND	ND	ND
MW-04	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	12.4
MW-04	Chloride	mg/L	ND	13.4	14.7132	11.9003	10.86	NT	NT	NT	NT	11.8	12.2	12.4	12.7	11.5	12.1	11.1	ND
MW-04	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-04	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-04	Copper	mg/L	0.0124	0.0177	0.0102	0.0109	0.014	0.0189	0.0193	0.015	0.0124	0.0092	0.0097	0.0056	0.00501	0.00775	0.0071	0.0189	0.00907
MW-04	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	0.42	ND	0.343	ND
MW-04	Lead	mg/L	ND	0.0028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-04	Manganese	mg/L	ND	0.0116	ND	0.0128	0.006	NT	NT	NT	NT	0.0114	0.0075	0.0174	ND	0.0245	0.0108	0.0206	0.011
MW-04	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-04	Nickel	mg/L	0.0044	0.0063	0.0047	4.2066	0.0042	0.0059	0.0051	0.0076	0.0063	0.0058	0.0054	0.0064	ND	0.00781	0.00654	0.00631	0.00595
MW-04	Nitrate	mg/L as N	ND	3.7963	3.6601	0.0067	4.73	NT	NT	NT	NT	4.1291	3.95	3.35	3.32	3.98	4.22	3.6	3.26
MW-04	Selenium	mg/L	ND	ND	ND	0.0024	ND	ND	ND	ND	ND								
MW-04	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-04	Sulfate	mg/L	ND	13.47	27.4	27.97	3.15	NT	NT	NT	NT	32.4	16.6	23.8	25.8	26.2	14.2	28.1	23.4
MW-04	TDS	mg/L	NS	172	88	ND	76	NT	NT	NT	NT	88	140		128	124	112	100	116
MW-04	Thallium	mg/L	ND	ND	ND	60	ND	ND	ND	ND	ND								
MW-04	Hardness	mg/L	NS	54	48	68	ND	NT	NT	NT	NT	ND	48		58	68	46	60	54
MW-04	Turbidity	NTU	ND	0.24	0.13	0.14	NT	NT	NT	NT	NT	ND	2.52	NT	NT	NT	NT	15.8	1.3
MW-04	Vanadium	mg/L	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND							
MW-04	Zinc	mg/L	0.0147	0.0179	0.019	0.0278	0.018	0.039	0.026	0.031	0.0222	0.02	0.0162	0.0198	0.0241	0.0258	0.0245	0.0289	0.0233

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

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-05	Alkalinity	mg/L	NS	16	26	16	26	NT	NT	NT	NT	NT	21	20	21	24	28	21	23
MW-05	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-05	Barium	mg/L	0.0185	0.0197	0.0212	0.0198	0.028	0.0182	0.0251	0.0215	0.0196	0.0222	0.019	0.0231	0.0204	0.0223	0.0275	0.0188	0.0231
MW-05	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-05	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	13.8	ND	ND	ND	ND	ND	ND
MW-05	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	4.8
MW-05	Chloride	mg/L	ND	8.39	8.2934	6.4851	8.4	NT	NT	NT	NT	6.35	5.65	5.58	4.87	4.95	6.47	4.62	ND
MW-05	Chromium	mg/L	ND	ND	ND	ND	0.0021		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Cobalt	mg/L	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Copper	mg/L	0.0195	0.0123	0.0107	0.0207	0.0142	0.0123	0.0119	0.0122	0.0081	0.0069	0.008	0.007	ND	0.007	0.00548	0.00777	0.00733
MW-05	Iron	mg/L	ND	ND	ND	0.3363	ND	NT	NT	NT	NT	ND	ND	0.566	ND	0.386	0.642	0.225	0.313
MW-05	Lead	mg/L	0.0028	ND	ND	ND	ND	ND	ND	ND									
MW-05	Manganese	mg/L	ND	0.009	0.0106	0.0107	0.0117	NT	NT	NT	NT	0.0061	ND	0.0227	0.00542	0.0182	0.0306	0.0129	0.0153
MW-05	Mercury	mg/L	ND	ND	ND	ND	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Nickel	mg/L	0.003	0.0026	0.0022	1.1437	0.003	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Nitrate	mg/L as N	ND	1.2453	1.5006	0.0022	2.49	NT	NT	NT	NT	1.56	1.34	1.25	1.27	1.28	1.81	1.19	1.46
MW-05	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-05	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-05	Sulfate	mg/L	ND	ND	13.68	11.96	14.73	NT	NT	NT	NT	16.5	14.2	10.9	12.6	13.7	16.6	12	14.1
MW-05	TDS	mg/L	NS	24	260	ND	96	NT	NT	NT	NT	40	104		72	76	92	52	72
MW-05	Thallium	mg/L	ND	ND	ND	64	ND	ND	ND	ND	ND	ND	ND						
MW-05	Hardness	mg/L	NS	38	38	34	NT	NT	NT	NT	NT	ND	36		37	38	50	36	46
MW-05	Turbidity	NTU	ND	12.9	8.1	1.94	NT	NT	NT	NT	NT	ND	2.46	NT	NT	NT	NT	4.5	0
MW-05	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-05	Zinc	mg/L	0.0096	0.0077	ND	0.0101	0.0167	0.0157	0.0101	0.0152	ND	0.0063	0.00652	0.0104	0.00783	0.00929	0.00883	0.00926	0.012

MW-06	Alkalinity	mg/L	NS	32	36	32	26	NT	NT	NT	NT	NT	45	42	57	57	44	59	50
MW-06	Ammonia	mg/L as N	NS	ND	ND	ND	0.007	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-06	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-06	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-06	Barium	mg/L	0.0437	0.0589	0.0482	0.0621	0.0458	0.0449	0.0551	0.0544	0.0564	0.0789	0.057	0.0735	0.0593	0.0616	0.0604	0.0631	0.0582
MW-06	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-06	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	11.5	ND	ND	ND
MW-06	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	14
MW-06	Chloride	mg/L	ND	17.5	14.9493	13.6732	14.6	NT	NT	NT	NT	15.6	13.6	11	12.7	12.9	13.8	11.8	ND
MW-06	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-06	Cobalt	mg/L	0.0034	0.0026	ND	0.0031	ND	ND	ND	ND	ND	0.0287	0.0052	ND	ND	ND	ND	ND	ND
MW-06	Copper	mg/L	0.0251	0.0135	0.0136	0.0145	0.016	0.0171	0.0172	0.0127	0.0099	0.0166	0.0108	0.0076	0.00706	0.0406	0.00894	0.0132	0.0111
MW-06	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	0.2
MW-06	Lead	mg/L	0.0025	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-06	Manganese	mg/L	ND	0.3289	0.2445	0.3639	0.2	NT	NT	NT	NT	2.11	0.573	0.567	0.302	0.268	0.318	0.282	0.291
MW-06	Mercury	mg/L	0.0009	0.0005	0.0007	0.0004	0.0009	0.0004	0.0004	ND	0.0004	0.0005	0.00057	0.00032	0.0004	0.00065	0.00088	0.00037	0.00077
MW-06	Nickel	mg/L	0.0086	0.0099	0.0071	0.0138	0.007	0.0072	0.0055	0.0056	0.0072	0.0323	0.0117	0.0153	0.0103	0.0122	0.0104	0.0114	0.00933
MW-06	Nitrate	mg/L as N	ND	3.4769	3.2093	3.7648	3.37	NT	NT	NT	NT	3.7844	3.95	4.01	4.05	4.11	3.64	4.49	3.59
MW-06	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-06	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-06	Sulfate	mg/L	ND	ND	31.54	38.37	17.52	NT	NT	NT	NT	50.5	30.6	47.3	32.5	36.8	27	41.9	29.8
MW-06	TDS	mg/L	NS	76	88	ND	96	NT	NT	NT	NT	176	208		184	184	156	180	150
MW-06	Thallium	mg/L	ND	ND	ND	72	ND	ND	ND	ND	ND	ND	ND						
MW-06	Hardness	mg/L	NS	82	58	78	NT	NT	NT	NT	NT	ND	86		116	106	90	116	98
MW-06	Turbidity	NTU	ND	0.1	0.11	0.17	NT	NT	NT	NT	NT	ND	0.591	NT	NT	NT	NT	0	0
MW-06	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-06	Zinc	mg/L	0.0212	0.0245	0.0255	0.0416	0.0263	0.0385	0.0265	0.0258	0.0214	0.0489	0.0238	0.0293	0.0222	0.0298	0.025	0.0308	0.0267

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

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-07	Alkalinity	mg/L	NS	38	44	40	46	NT	NT	NT	NT	NT	46	40	39	41	48	36	42
MW-07	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Barium	mg/L	0.0114	0.0112	ND	0.0372	0.0144	0.0261	0.0111	0.0189	0.0092	0.0338	0.0147	0.0289	0.0221	0.0322	0.024	0.0241	0.0204
MW-07	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Cadmium	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	12.3
MW-07	Chloride	mg/L	ND	14.1	8.1081	22.0888	10.1	NT	NT	NT	NT	23.4	11.1	21.1	14.7	23	13.5	19.1	ND
MW-07	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Copper	mg/L	0.0163	0.0078	ND	0.0101	0.0095	0.0093	0.0107	0.009	0.0055	0.0069	0.0074	ND	ND	ND	ND	0.0058	0.00543
MW-07	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Lead	mg/L	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Manganese	mg/L	ND	0.0053	ND	0.0162	0.0037	NT	NT	NT	NT	0.0151	ND	0.0105	0.00845	0.0154	0.00738	0.0107	0.00577
MW-07	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Nickel	mg/L	0.0029	0.0021	ND	0.0059	0.0023	0.0034	ND	0.0027	0.0025	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Nitrate	mg/L as N	ND	1.2191	1.3399	3.9286	3	NT	NT	NT	NT	1.3263	1.86	1.52	1.22	1.49	2.41	1.39	1.52
MW-07	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Sulfate	mg/L	ND	ND	16.14	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	TDS	mg/L	NS	64	76	ND	96	NT	NT	NT	NT	88	116	84	152	152	108	98	
MW-07	Thallium	mg/L	ND	ND	ND	88	ND	ND	ND	ND	ND	ND	ND						
MW-07	Hardness	mg/L	NS	46	48	54	NT	NT	NT	NT	NT	ND	44	46	56	58	48	46	
MW-07	Turbidity	NTU	ND	0.06	0.11	0.11	NT	NT	NT	NT	NT	ND	0.411	NT	NT	NT	NT	3.4	2.7
MW-07	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Zinc	mg/L	0.0055	0.0063	0.0114	0.0276	0.0085	0.0389	0.0073	0.0147	ND	0.016	0.00886	0.012	0.011	0.0132	0.00993	0.0117	0.0102

MW-08	Alkalinity	mg/L	NS	38	40	30	38	NT	NT	NT	NT	NT	34	35	34	36	33	32	34
MW-08	Ammonia	mg/L as N	NS	ND	ND	ND	0.007	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Arsenic	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Barium	mg/L	0.0379	0.031	0.0376	0.0381	0.02	0.0256	0.0377	0.034	0.0393	0.0356	0.0331	0.0356	0.0403	0.0351	0.0373	0.0361	0.0359
MW-08	Beryllium	mg/L	ND	ND	ND	ND	ND												
MW-08	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Cadmium	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	6.1
MW-08	Chloride	mg/L	ND	9.13	7.951	6.9971	3.4	NT	NT	NT	NT	8.26	5.95	7.28	6.95	7.51	5.05	6.89	ND
MW-08	Chromium	mg/L	ND	ND	ND	0.0026	0.0021	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Cobalt	mg/L	ND	ND	ND	ND	ND												
MW-08	Copper	mg/L	0.013	0.0139	0.0105	0.0132	0.0091	0.0408	0.0102	0.0109	0.0087	0.0068	0.0089	0.0058	0.00639	0.00697	0.0052	0.0168	0.00877
MW-08	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Lead	mg/L	ND	ND	ND	ND	ND												
MW-08	Manganese	mg/L	ND	0.0124	0.0181	0.0195	0.0025	NT	NT	NT	NT	0.0136	0.0127	0.0137	0.018	0.0136	0.0134	0.0134	0.0106
MW-08	Mercury	mg/L	ND	ND	ND	ND	ND												
MW-08	Nickel	mg/L	0.0101	0.0079	0.0101	0.0111	0.0033	0.0069	0.0079	0.0079	0.0112	0.0083	0.008	0.0077	0.0109	0.00922	0.0092	0.00832	0.00803
MW-08	Nitrate	mg/L as N	ND	0.938	1.27	1.1657	1.28	NT	NT	NT	NT	1.1046	1.21	1.12	1.36	1.22	1.3	1.19	1.19
MW-08	Selenium	mg/L	ND	ND	ND	ND	ND												
MW-08	Silver	mg/L	ND	ND	ND	ND	ND												
MW-08	Sulfate	mg/L	ND	ND	17.18	ND	1.17	NT	NT	NT	NT	3.48	ND	ND	ND	ND	ND	ND	ND
MW-08	TDS	mg/L	NS	64	80	ND	88	NT	NT	NT	NT	40	100	80	88	116	92	76	
MW-08	Thallium	mg/L	ND	ND	ND	56	ND	ND	ND	ND	ND								
MW-08	Hardness	mg/L	NS	40	46	38	NT	NT	NT	NT	NT	ND	30	37	38	36	36	46	
MW-08	Turbidity	NTU	ND	0.54	0.52	0.98	NT	NT	NT	NT	NT	ND	1.36	NT	NT	NT	NT	0.6	0
MW-08	Vanadium	mg/L	ND	ND	ND	ND	ND												
MW-08	Zinc	mg/L	0.017	0.0144	0.0201	0.0315	0.0092	0.0231	0.0196	0.0218	0.021	0.0162	0.0164	0.0161	0.0221	0.0178	0.0166	0.0254	0.0186

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**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-09	Alkalinity	mg/L	NS	46	40	54	40	NT	NT	NT	NT	NT	44	55	49	49	61	61	47
MW-09	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-09	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-09	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-09	Barium	mg/L	0.0134	0.0178	0.0148	0.0299	0.0161	0.017	0.0293	0.0219	0.0193	0.0245	0.0129	0.0212	0.0205	0.0252	0.023	0.0224	0.0184
MW-09	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-09	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	9.2	ND	ND	ND	ND	ND
MW-09	Cadmium	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	4.35
MW-09	Chloride	mg/L	ND	4.53	3.6712	6.4955	7.08	NT	NT	NT	NT	7.69	3.93	4.97	3.88	7.27	6.65	4.4	ND
MW-09	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-09	Cobalt	mg/L	ND	ND	0.0026	ND	0.0058	ND	ND	ND	0.0058	ND	ND	ND	ND	0.00683	ND	ND	ND
MW-09	Copper	mg/L	ND	0.0073	ND	0.0268	0.0095	0.0072	0.0083	0.0091	0.0108	0.0061	0.0089	0.0104	0.00727	0.00732	0.00726	0.022	ND
MW-09	Iron	mg/L	ND	ND	0.219	0.4527	0.36	NT	NT	NT	NT	ND	ND	0.64	ND	0.527	2.78	1.32	0.836
MW-09	Lead	mg/L	ND	0.0028	ND	ND	ND	ND	ND	ND	ND	ND							
MW-09	Manganese	mg/L	ND	0.0066	0.0231	0.0108	0.0383	NT	NT	NT	NT	0.0784	0.0892	0.154	0.0369	0.155	0.436	0.223	0.13
MW-09	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-09	Nickel	mg/L	0.0032	0.0028	0.0027	0.0053	0.0051	0.0021	0.0027	0.0026	0.0068	ND	ND	0.0054	ND	0.00675	ND	ND	ND
MW-09	Nitrate	mg/L as N	ND	0.2906	0.9537	0.247	0.53	NT	NT	NT	NT	0.345	1.16	0.351	1.03	0.415	0.604	0.312	0.964
MW-09	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-09	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-09	Sulfate	mg/L	ND	21	21.92	13.84	5.07	NT	NT	NT	NT	8.27	ND	7.7	4.85	5.58	ND	5.47	ND
MW-09	TDS	mg/L	NS	24	NS	ND	112	NT	NT	NT	NT	64	96	92	108	132	104	86	
MW-09	Thallium	mg/L	ND	ND	ND	80	ND	ND	ND	ND	ND	ND	ND						
MW-09	Hardness	mg/L	NS	56	46	62	NT	NT	NT	NT	NT	ND	38	52	50	60	66	46	
MW-09	Turbidity	NTU	ND	1.57	2.81	1.3	NT	NT	NT	NT	NT	ND	10.7	NT	NT	NT	NT	36.7	17.9
MW-09	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-09	Zinc	mg/L	ND	0.0145	ND	0.0139	0.0088	0.0094	0.0076	0.0103	0.0132	0.0056	0.00614	0.0106	0.00751	0.0101	0.013	0.00927	ND

MW-10	Alkalinity	mg/L	NS	28	38	22	24	NT	NT	NT	NT	NT	26	23	31	25	22	21	22
MW-10	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-10	Barium	mg/L	0.0044	0.0029	ND	ND	ND	0.0034	0.0034	0.0055	0.0061	ND	0.0054	0.0083	0.00901	0.00808	0.00745	0.0088	0.00832
MW-10	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-10	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0002	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	4.3
MW-10	Chloride	mg/L	ND	4.46	3.7726	4.7916	3.9	NT	NT	NT	NT	4.95	3.98	4.83	3.99	4.96	4.33	4.65	ND
MW-10	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-10	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-10	Copper	mg/L	0.0103	0.0081	ND	0.0072	0.0133	0.0074	0.0092	0.0136	0.008	0.0066	0.0074	0.0053	0.00515	ND	ND	0.0103	0.00501
MW-10	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-10	Manganese	mg/L	ND	0.0031	ND	ND	ND	0.0029	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-10	Nickel	mg/L	ND	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Nitrate	mg/L as N	ND	0.7105	0.7319	0.9843	1.18	NT	NT	NT	NT	1.0968	1	1.02	0.911	1.06	0.99	1.02	0.908
MW-10	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-10	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-10	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	TDS	mg/L	NS	40	NS	ND	100	NT	NT	NT	NT	24	48	68	80	100	32	50	
MW-10	Thallium	mg/L	ND	ND	ND	52	ND	ND	ND	ND	ND	ND	ND						
MW-10	Hardness	mg/L	NS	28	38	22	NT	NT	NT	NT	NT	ND	20	29	26	20	18	20	
MW-10	Turbidity	NTU	ND	0.6	3	0.42	NT	NT	NT	NT	NT	ND	2.06	NT	NT	NT	NT	0.9	0
MW-10	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-10	Zinc	mg/L	ND	0.0028	0.0108	0.0047	0.0105	0.0074	0.0074	0.0092	ND	ND	0.00629	0.00725	0.0241	0.00568	0.0056	0.0085	ND

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-11	Alkalinity	mg/L	NS	24	16	36	24	NT	NT	NT	NT	NT	14	21	19	22	14	16	16.7
MW-11	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-11	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-11	Arsenic	mg/L	ND	ND	ND	ND	ND												
MW-11	Barium	mg/L	0.0265	0.0141	0.0307	0.0207	0.0251	0.0252	0.0223	0.0201	0.0491	0.0279	0.0456	0.0448	0.0371	0.039	0.0468	0.0416	0.0193
MW-11	Beryllium	mg/L	ND	ND	ND	ND	ND												
MW-11	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	10	ND
MW-11	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	5.03
MW-11	Chloride	mg/L	ND	4.16	7.5826	5.1155	3.37	NT	NT	NT	NT	5.5	8.53	9.02	5.46	7.71	8.09	8.34	ND
MW-11	Chromium	mg/L	ND	ND	ND	ND	0.0027	ND	ND	0.00641	ND	ND							
MW-11	Cobalt	mg/L	ND	ND	0.00609	ND	ND												
MW-11	Copper	mg/L	0.0145	0.0152	0.0129	0.0094	0.0156	0.0072	0.0099	0.0113	0.018	0.0101	0.0163	0.0328	0.0227	0.0156	0.0358	0.0262	0.00993
MW-11	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	1.1	4.01	1.76	3.38	2.06	0.412
MW-11	Lead	mg/L	ND	ND	ND	ND	ND												
MW-11	Manganese	mg/L	ND	0.0066	0.0183	0.0067	0.005	NT	NT	NT	NT	0.0121	0.0315	0.0608	0.142	0.0888	0.166	0.0986	0.0226
MW-11	Mercury	mg/L	ND	ND	ND	ND	ND												
MW-11	Nickel	mg/L	0.0075	0.0036	0.0086	0.0036	0.0037	0.0047	0.0047	0.0038	0.0111	ND	0.0102	0.0096	0.00994	0.00913	0.0143	0.00932	ND
MW-11	Nitrate	mg/L as N	ND	2.7886	4.8311	3.3365	2	NT	NT	NT	NT	3.2575	5.05	4.68	3.5	3.7	3.8	3.57	2.97
MW-11	Selenium	mg/L	ND	ND	ND	ND	ND												
MW-11	Silver	mg/L	ND	ND	ND	ND	ND												
MW-11	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	5.76	ND	ND	ND	ND	ND	ND	ND
MW-11	TDS	mg/L	NS	64	52	ND	72	NT	NT	NT	NT	36	116		68	84	88	88	68
MW-11	Thallium	mg/L	ND	ND	35	80	ND	ND	ND	ND	ND								
MW-11	Hardness	mg/L	NS	34	ND	48	NT	NT	NT	NT	NT	ND	29		27	34	34	36	20
MW-11	Turbidity	NTU	ND	1.72	ND	0.84	NT	NT	NT	NT	NT	ND	4.09	NT	NT	NT	NT	75.6	43.6
MW-11	Vanadium	mg/L	ND	ND	ND	ND	ND												
MW-11	Zinc	mg/L	0.0279	0.0112	ND	0.0143	0.0175	0.0166	0.0188	0.0218	0.0379	0.0156	0.0404	0.0488	0.0364	0.0304	0.0504	0.037	0.0181

MW-12	Alkalinity	mg/L	NS	32	ND	36	36	NT	NT	NT	NT	NT	34	39	39	37	29	32	31
MW-12	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Arsenic	mg/L	ND	ND	8.206	ND	ND	ND	ND	ND	ND	ND							
MW-12	Barium	mg/L	0.0034	0.0036	ND	ND	ND	0.007	0.0134	ND	0.0056	0.0063	0.0054	0.01	0.0102	0.00901	0.00827	0.00893	0.00798
MW-12	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	6.3	ND	ND	ND	ND	ND	ND
MW-12	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Chloride	mg/L	ND	1.47	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Copper	mg/L	0.016	0.0089	ND	0.0089	0.01	0.0056	0.0076	0.0092	0.0067	0.0054	0.0072	ND	ND	0.00503	ND	ND	ND
MW-12	Iron	mg/L	ND	ND	3.572	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Lead	mg/L	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Manganese	mg/L	ND	ND	ND	0.0031	0.0031	NT	NT	NT	NT	ND	ND	ND	0.00612	0.0053	ND	ND	ND
MW-12	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Nickel	mg/L	ND	ND	NS	ND	ND	ND	ND	ND	0.0022	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Nitrate	mg/L as N	ND	0.5654	ND	0.2666	0.3	NT	NT	NT	NT	0.226	0.234	0.246	0.202	0.246	0.217	0.226	0.241
MW-12	Selenium	mg/L	ND	ND	-36.4	ND	ND	ND	ND	ND	ND	ND							
MW-12	Silver	mg/L	ND	ND	-73.6	ND	ND	ND	ND	ND	ND	ND							
MW-12	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	6.14	4.91	ND	5.91	ND
MW-12	TDS	mg/L	NS	64	ND	ND	68	NT	NT	NT	NT	28	64		80	72	112	64	72
MW-12	Thallium	mg/L	ND	ND	41	56	ND	ND	ND	ND	ND	ND	ND						
MW-12	Hardness	mg/L	NS	38	ND	36	NT	NT	NT	NT	NT	ND	16		31	26	22	28	20
MW-12	Turbidity	NTU	ND	0.26	ND	0.3	NT	NT	NT	NT	NT	ND	1.46	NT	NT	NT	NT	0	0
MW-12	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Zinc	mg/L	ND	0.006	ND	0.0046	0.0082	0.0104	0.0067	ND	ND	ND	0.00795	0.00596	0.0147	0.00562	0.00547	0.00652	0.00665

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-13	Alkalinity	mg/L	NS	24	ND	26	24	NT	NT	NS	NS	NT	36	27	29	23	19	20	20
MW-13	Ammonia	mg/L as N	NS	ND	ND	ND	0.02	NT	NT	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	Arsenic	mg/L	ND	ND	7.7711	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	Barium	mg/L	0.0077	0.0077	ND	0.013	0.0128	0.0125	0.0339	NS	NS	0.0158	0.0213	0.0181	0.0196	0.014	0.0138	0.0147	0.013
MW-13	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	Cadmium	mg/L	ND	ND	1.7837	ND	ND	ND	NT	NS	NS	ND	ND	ND	ND	ND	ND	ND	5.13
MW-13	Chloride	mg/L	ND	5.69	ND	11.5809	11.28	NT	NT	NS	NS	12.6	22.9	12	13.8	6.37	6.05	6.98	ND
MW-13	Chromium	mg/L	ND	ND	1.0151	0.0025	ND	ND	0.2412	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	NS	NS	0.0055	ND	ND	ND	ND	ND	ND	ND
MW-13	Copper	mg/L	0.0101	0.0131	5.7788	0.0115	0.01	0.0067	0.1127	NS	NS	0.0097	0.0103	0.0053	ND	0.00584	ND	ND	0.0067
MW-13	Iron	mg/L	ND	ND	8.667	ND	ND	NT	NT	NS	NS	2.61	0.976	ND	ND	0.612	ND	ND	0.788
MW-13	Lead	mg/L	ND	ND	ND	ND	ND	0.0041	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	Manganese	mg/L	ND	0.0102	ND	0.0204	0.013	NT	NT	NS	NS	0.371	0.113	0.0172	0.0273	0.0167	0.00958	0.00771	0.0134
MW-13	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	Nickel	mg/L	0.0042	0.0049	333	0.0073	0.005	0.0068	0.0095	NS	NS	0.006	0.0096	0.0064	0.00766	ND	ND	ND	ND
MW-13	Nitrate	mg/L as N	ND	1.106	ND	1.2269	1.38	NT	NT	NS	NS	0.6235	0.873	1.11	1.07	1.16	1.15	1.16	1.16
MW-13	Selenium	mg/L	ND	ND	6.2	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	Silver	mg/L	ND	ND	-13.7	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	TDS	mg/L	NS	16	ND	ND	76	NT	NT	NS	NS	68	160		88	76	84	60	66
MW-13	Thallium	mg/L	ND	ND	17	60	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	Hardness	mg/L	NS	32	ND	36	NT	NT	NT	NS	NS	ND	52		37	24	26	26	28
MW-13	Turbidity	NTU	ND	0.13	ND	0.15	NT	NT	NT	NS	NS	ND	1.45	NT	NT	NT	NT	6	8.7
MW-13	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	Zinc	mg/L	0.009	0.0047	1.0124	0.0201	0.0081	0.0091	0.0897	NS	NS	0.0134	0.018	0.00959	0.00894	0.00995	0.00552	0.00679	0.00936

MW-14	Alkalinity	mg/L	NS	174	ND	184	96	NT	NT	NT	NT	NT	172	195	191	181	145	187	156
MW-14	Ammonia	mg/L as N	NS	ND	ND	ND	0.01	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-14	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-14	Arsenic	mg/L	ND	ND	19.0763	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-14	Barium	mg/L	0.0308	0.0288	ND	0.0372	0.0295	0.0349	0.0377	0.0388	0.0346	0.041	0.0373	0.0448	0.0421	0.0371	0.0415	0.0388	0.0445
MW-14	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-14	COD	mg/L	ND	ND	2.7086	ND	ND	NT	NT	NT	NT	ND	8	ND	ND	ND	ND	ND	ND
MW-14	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	6.01
MW-14	Chloride	mg/L	ND	10.7	9.7644	10.1946	7.95	NT	NT	NT	NT	8.95	7.5	7.64	6.57	6.71	7.02	6.51	ND
MW-14	Chromium	mg/L	ND	ND	ND	0.0022	ND	ND	ND	ND	ND	ND	ND						
MW-14	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00741	ND	ND
MW-14	Copper	mg/L	0.0105	0.0072	ND	0.0074	0.0088	0.0047	0.0055	0.0067	0.0069	0.0062	0.0081	0.0119	0.00581	0.00646	0.0149	0.00538	0.0114
MW-14	Iron	mg/L	ND	ND	0.6102	0.7712	0.3487	NT	NT	NT	NT	0.914	1.09	2.18	0.753	0.547	4.5	0.686	3.98
MW-14	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00646	ND	0.00544
MW-14	Manganese	mg/L	ND	0.0065	0.0112	0.0144	0.0068	NT	NT	NT	NT	0.0154	0.0232	0.0532	0.0152	0.013	0.164	0.0158	0.132
MW-14	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-14	Nickel	mg/L	0.0023	ND	0.0022	0.0028	0.0027	0.0023	ND	0.0023	0.0033	ND	ND	ND	ND	ND	0.00694	ND	0.00679
MW-14	Nitrate	mg/L as N	ND	2.8383	2.28	2.5713	3.04	NT	NT	NT	NT	2.4468	2.67	2.97	2.51	2.68	2.75	2.94	2.54
MW-14	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-14	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-14	Sulfate	mg/L	ND	18.54	35.13	33	15.5	NT	NT	NT	NT	31.2	23.1	27.8	25.1	20.9	15.6	21.1	17.1
MW-14	TDS	mg/L	NS	144	200	ND	172	NT	NT	NT	NT	240	284		276	232	232	248	258
MW-14	Thallium	mg/L	ND	ND	ND	272	ND	ND	ND	ND	ND	ND	ND						
MW-14	Hardness	mg/L	NS	206	158	218	NT	NT	NT	NT	NT	ND	188		215	206	170	218	156
MW-14	Turbidity	NTU	ND	6.85	8.03	4.49	NT	NT	NT	NT	NT	ND	25.1	NT	NT	NT	NT	10.5	90
MW-14	Vanadium	mg/L	ND	ND	0.0022	ND	ND	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	0.00691	ND	0.00685
MW-14	Zinc	mg/L	ND	0.0026	ND	0.007	0.006	0.0057	0.0043	ND	ND	ND	0.00807	0.00994	0.00644	0.00712	0.0154	0.00636	0.0125

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-15	Alkalinity	mg/L	NS	28	30	28	29	NT	NT	NT	NT	NT	25	24	24	27	26	24	30
MW-15	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Barium	mg/L	0.0572	0.0686	0.071	0.0806	0.0501	0.105	0.1222	0.1108	0.105	0.118	0.097	0.118	0.123	0.109	0.0847	0.113	0.0984
MW-15	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Cadmium	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	15
MW-15	Chloride	mg/L	ND	14.4	14.2837	15.5636	7.84	NT	NT	NT	NT	20	17.7	21.3	22	20.2	13.9	21.3	ND
MW-15	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Copper	mg/L	0.0111	0.0091	ND	0.0134	0.0176	0.0104	0.0122	0.0187	0.0069	0.0089	0.0091	ND	0.00598	ND	ND	0.0096	0.00872
MW-15	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Manganese	mg/L	ND	0.0114	ND	0.0143	0.0023	NT	NT	NT	NT	0.0202	0.0072	0.0177	0.0174	0.0186	0.00539	0.0142	0.00576
MW-15	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Nickel	mg/L	0.0049	0.0026	0.0026	0.0034	0.0024	0.0028	0.003	0.0033	0.0044	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Nitrate	mg/L as N	ND	1.2807	1.9103	1.4799	5.03	NT	NT	NT	NT	2.5191	2.9	2.57	2.54	2.31	3.2	2.23	2.87
MW-15	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Sulfate	mg/L	ND	ND	15.66	ND	2.11	NT	NT	NT	NT	6.37	4.4	6.29	6.92	8.57	5.91	8.78	6.56
MW-15	TDS	mg/L	NS	64	56	ND	80	NT	NT	NT	NT	80	148		112	104	100	110	134
MW-15	Thallium	mg/L	ND	ND	ND	80	ND	ND	ND	ND	ND								
MW-15	Hardness	mg/L	NS	36	46	36	NT	NT	NT	NT	NT	ND	42		47	48	44	48	48
MW-15	Turbidity	NTU	ND	0.61	0.39	0.15	NT	NT	NT	NT	NT	ND	1.26	NT	NT	NT	NT	0	0
MW-15	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	Zinc	mg/L	0.0297	0.0132	0.014	0.0227	0.011	0.02	0.0216	0.0296	0.0168	0.0212	0.0158	0.0187	0.0224	0.0189	0.0146	0.02	0.0186
MW-16	Alkalinity	mg/L	NS	38	26	46	18	NT	NT	NT	NT	NT	29	60	44	54	24	57	25
MW-16	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	Barium	mg/L	0.0301	0.0296	0.0284	0.0415	0.0237	0.0388	0.0363	0.048	0.034	0.0379	0.0309	0.0412	0.0385	0.0399	0.0331	0.0411	0.0337
MW-16	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	6.2	ND	ND	ND	ND	ND	ND
MW-16	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	19.5
MW-16	Chloride	mg/L	ND	10.5	11.5426	9.3208	11.7	NT	NT	NT	NT	11.1	15.2	9.31	12.6	13.6	20.6	12.5	ND
MW-16	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	Copper	mg/L	0.0173	0.0139	ND	0.0226	0.0131	0.0121	0.0119	0.0294	0.0061	0.0071	0.008	ND	0.00777	0.012	0.0075	0.00914	0.00757
MW-16	Iron	mg/L	ND	ND	ND	0.4482	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	Lead	mg/L	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	Manganese	mg/L	ND	0.1047	0.0587	0.1851	0.0285	NT	NT	NT	NT	0.0914	0.0391	0.0828	0.0547	0.0946	0.0382	0.0388	0.0302
MW-16	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	Nickel	mg/L	0.0097	0.0107	0.0077	0.0171	0.0052	0.0118	0.0066	0.0153	0.0094	0.0111	0.0068	0.0107	0.00868	0.0113	0.00811	0.00737	0.00725
MW-16	Nitrate	mg/L as N	ND	4.1879	4.9702	3.2434	6.09	NT	NT	NT	NT	3.422	4.76	2.75	3.84	3.92	5.7	3.34	5.14
MW-16	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	Sulfate	mg/L	ND	16.48	31.91	44.33	6.6	NT	NT	NT	NT	34.8	16.8	36.8	28.2	28.2	9.72	30.1	12.6
MW-16	TDS	mg/L	NS	64	144	ND	84	NT	NT	NT	NT	140	172		160	128	136	146	114
MW-16	Thallium	mg/L	ND	ND	ND	152	ND	ND	ND	ND	ND								
MW-16	Hardness	mg/L	NS	78	54	98	NT	NT	NT	NT	NT	ND	66		90	94	74	108	70
MW-16	Turbidity	NTU	ND	0.09	0.11	0.11	NT	NT	NT	NT	NT	ND	0.188	NT	NT	NT	NT	0.1	0
MW-16	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	Zinc	mg/L	0.0239	0.0242	0.0237	0.0445	0.0268	0.0424	0.0257	0.0697	0.0232	0.0222	0.0179	0.0258	0.0254	0.0305	0.0218	0.0277	0.0244

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

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-17	Alkalinity	mg/L	NS	16	16	12	16	NT	NT	NT	NT	NT	12	11	11	11	19	6	6.4
MW-17	Ammonia	mg/L as N	NS	ND	ND	ND	0.004	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-17	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-17	Arsenic	mg/L	ND	ND	ND	ND	ND												
MW-17	Barium	mg/L	0.0339	0.0307	0.0352	0.0343	0.0362	0.0265	0.0408	0.0358	0.0362	0.0349	0.036	0.0364	0.0375	0.0383	0.0425	0.0387	0.0414
MW-17	Beryllium	mg/L	ND	ND	ND	ND	ND												
MW-17	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-17	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0002	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	6.14
MW-17	Chloride	mg/L	ND	4.55	5.0068	5.9706	4.9	NT	NT	NT	NT	5.85	5.47	5.74	5.57	5.9	6.23	5.73	ND
MW-17	Chromium	mg/L	ND	ND	ND	ND	ND												
MW-17	Cobalt	mg/L	ND	ND	ND	ND	ND												
MW-17	Copper	mg/L	0.0137	0.0191	0.0143	0.0208	0.0199	0.0189	0.0179	0.0187	0.0104	0.0121	0.0122	0.0082	0.00823	0.013	0.013	0.0138	0.0104
MW-17	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-17	Lead	mg/L	ND	ND	ND	ND	ND												
MW-17	Manganese	mg/L	ND	0.0132	0.0256	0.0197	0.0155	NT	NT	NT	NT	0.0141	0.0137	0.0145	0.0134	0.0154	0.017	0.0143	0.0149
MW-17	Mercury	mg/L	ND	ND	ND	ND	ND												
MW-17	Nickel	mg/L	0.0031	0.0063	0.0061	0.0084	0.0055	0.0071	0.0057	0.0075	0.0069	0.0063	0.0058	0.0063	0.00568	0.00689	0.00751	0.00656	0.00619
MW-17	Nitrate	mg/L as N	ND	4.7587	5.0194	4.2763	5	NT	NT	NT	NT	4.3125	5.02	4.43	4.73	4.91	5.35	4.6	4.98
MW-17	Selenium	mg/L	ND	ND	ND	ND	ND												
MW-17	Silver	mg/L	ND	ND	ND	ND	ND												
MW-17	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-17	TDS	mg/L	NS	12	356	ND	84	NT	NT	NT	NT	28	96		56	80	64	50	72
MW-17	Thallium	mg/L	ND	ND	ND	44	ND	ND	ND	ND	ND								
MW-17	Hardness	mg/L	NS	28	28	32	NT	NT	NT	NT	NT	ND	21		23	24	26	36	30
MW-17	Turbidity	NTU	ND	0.05	0.12	0.07	NT	NT	NT	NT	NT	ND	0.193	NT	NT	NT	NT	0	0
MW-17	Vanadium	mg/L	ND	ND	ND	ND	ND												
MW-17	Zinc	mg/L	0.0232	0.0227	0.0263	0.0423	0.0346	0.0399	0.0278	0.0428	0.0222	0.0265	0.024	0.0299	0.0276	0.0296	0.0305	0.0335	0.029

MW-18A	Alkalinity	mg/L	NS	12	14	14	14	NT	NT	NT	NT	NT	10	12	9	9	6	3.8	4.5
MW-18A	Ammonia	mg/L as N	NS	ND	ND	ND	0.002	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-18A	Barium	mg/L	0.0166	0.0179	0.0175	0.0156	0.0219	0.0161	0.0224	0.0222	0.0184	0.0226	0.0194	0.0251	0.0229	0.0257	0.029	0.0257	0.024
MW-18A	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-18A	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0002	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	3.12
MW-18A	Chloride	mg/L	ND	2.69	2.2496	ND	3.9	NT	NT	NT	NT	3.87	2.73	3.56	3.06	3.94	5.52	3.14	ND
MW-18A	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-18A	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-18A	Copper	mg/L	0.0104	0.0081	ND	0.0153	0.0147	0.0163	0.0123	0.0106	0.0072	0.0072	0.0088	0.0065	ND	0.0086	0.00814	0.00559	0.00675
MW-18A	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-18A	Manganese	mg/L	ND	0.01	ND	0.0068	0.0109	NT	NT	NT	NT	0.0113	0.0091	0.0122	0.00944	0.013	0.0131	0.0122	0.011
MW-18A	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-18A	Nickel	mg/L	0.0034	0.0036	0.0034	0.0035	0.0043	0.0038	0.0032	0.0041	0.0043	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Nitrate	mg/L as N	ND	2.6794	2.5519	2.4345	3.26	NT	NT	NT	NT	2.5203	2.61	2.7	2.57	2.63	2.9	2.54	2.43
MW-18A	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-18A	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-18A	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	TDS	mg/L	NS	4	132	ND	96	NT	NT	NT	NT	4	60		44	40	40	14	42
MW-18A	Thallium	mg/L	ND	ND	ND	36	ND	ND	ND	ND	ND	ND	ND						
MW-18A	Hardness	mg/L	NS	28	22	36	NT	NT	NT	NT	NT	ND	10		12	14	12	12	16
MW-18A	Turbidity	NTU	ND	0.05	0.06	0.15	NT	NT	NT	NT	NT	ND	0.464	NT	NT	NT	NT	0	0
MW-18A	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND										
MW-18A	Zinc	mg/L	0.0058	0.0053	ND	0.0142	0.0144	0.0143	0.0086	0.0129	ND	0.0071	0.00741	0.0118	0.00833	0.0121	0.0144	0.00989	0.00965

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-19	Alkalinity	mg/L	NS	32	14	10	14	NT	NT	NT	NT	NT	7	12	10	12	7	4.6	4.9
MW-19	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-19	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-19	Arsenic	mg/L	ND	ND	ND	ND	ND	ND											
MW-19	Barium	mg/L	0.0384	0.0451	0.0524	0.0609	0.0339	0.0358	0.0443	0.0528	0.0481	0.0553	0.0444	0.0519	0.0481	0.053	0.0422	0.0442	0.0475
MW-19	Beryllium	mg/L	ND	ND	ND	ND	ND	ND											
MW-19	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	5.2	ND	ND	ND	ND	ND	ND
MW-19	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	11.8
MW-19	Chloride	mg/L	ND	6.16	6.7995	6.2098	7.5	NT	NT	NT	NT	8.11	9.04	8.66	9.34	9.29	11.6	10.5	ND
MW-19	Chromium	mg/L	ND	ND	ND	ND	ND	ND											
MW-19	Cobalt	mg/L	0.0024	0.0039	0.0041	0.0064	ND	0.0026	ND	0.0042	0.0027	ND	ND	ND	ND	ND	ND	ND	ND
MW-19	Copper	mg/L	0.0189	0.0085	0.0109	0.0112	0.0166	0.0119	0.0143	0.0156	0.0081	0.0119	0.0303	0.00513	0.0056	0.00867	ND	0.00918	0.00679
MW-19	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-19	Lead	mg/L	0.0021	ND	ND	ND	ND	ND	ND										
MW-19	Manganese	mg/L	ND	0.0314	0.03	0.049	0.0073	NT	NT	NT	NT	0.0336	0.021	0.0266	0.0197	0.0262	0.00977	0.0248	0.0126
MW-19	Mercury	mg/L	ND	ND	ND	ND	ND	ND											
MW-19	Nickel	mg/L	0.0041	0.0043	0.0038	0.0046	0.0035	0.0038	0.0032	0.0041	0.0034	ND	ND	ND	ND	ND	ND	0.00519	ND
MW-19	Nitrate	mg/L as N	ND	3.1766	2.9219	3.4831	2.8	NT	NT	NT	NT	3.2	3.11	2.83	3.16	3.05	3.22	3.06	3.04
MW-19	Selenium	mg/L	ND	ND	ND	ND	ND	ND											
MW-19	Silver	mg/L	ND	ND	ND	ND	ND	ND											
MW-19	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	2.1	ND	ND	ND	ND	ND	ND	ND
MW-19	TDS	mg/L	NS	8	332	ND	156	NT	NT	NT	NT	32	80		68	60	80	60	60
MW-19	Thallium	mg/L	ND	ND	ND	44	ND	ND	ND	ND	ND	ND							
MW-19	Hardness	mg/L	NS	38	28	30	NT	NT	NT	NT	NT	ND	19		26	22	20	20	26
MW-19	Turbidity	NTU	ND	0.25	1.6	0.09	NT	NT	NT	NT	NT	ND	0.339	NT	NT	NT	NT	0	0
MW-19	Vanadium	mg/L	ND	ND	ND	ND	ND	ND											
MW-19	Zinc	mg/L	0.0119	0.011	0.0193	0.0195	0.0196	0.0164	0.0156	0.0223	0.012	0.0168	0.046	0.0231	0.0156	0.0214	0.0149	0.0205	0.0172

MW-20	Alkalinity	mg/L	NS	24	26	20	26	NT	NT	NT	NT	NT	28	28	27	30	27	29	29
MW-20	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-20	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-20	Arsenic	mg/L	ND	ND	ND	ND	ND												
MW-20	Barium	mg/L	0.0172	0.0171	0.0192	0.0241	0.0125	0.0205	0.0244	0.0216	0.0225	0.0238	0.0221	0.0246	0.023	0.0246	0.0255	0.0264	0.0272
MW-20	Beryllium	mg/L	ND	ND	ND	ND	ND												
MW-20	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-20	Cadmium	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	3.44
MW-20	Chloride	mg/L	ND	2.19	2.4203	2.6066	4.5	NT	NT	NT	NT	3.16	3	3.17	ND	3.13	3.32	3.28	ND
MW-20	Chromium	mg/L	ND	ND	ND	0.0027	ND	0.0022	ND	0.0022	0.0023	ND	ND	ND	ND	ND	ND	ND	ND
MW-20	Cobalt	mg/L	ND	ND	ND	ND	ND												
MW-20	Copper	mg/L	0.0199	0.0075	ND	0.0127	0.0108	0.014	0.0097	0.0108	0.0095	0.0068	0.0102	0.0057	0.00604	0.00559	ND	0.00534	0.00668
MW-20	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-20	Lead	mg/L	0.0025	ND	ND	ND	ND	ND											
MW-20	Manganese	mg/L	ND	0.0047	ND	0.0046	0.0045	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-20	Mercury	mg/L	ND	ND	ND	ND	ND												
MW-20	Nickel	mg/L	0.0035	0.0026	0.0033	0.0038	0.003	0.0035	0.0028	0.0028	0.0045	ND	ND	ND	ND	ND	ND	ND	ND
MW-20	Nitrate	mg/L as N	ND	1.9591	2.0002	2.2341	3.4	NT	NT	NT	NT	1.905	2.01	1.84	1.98	2.08	2.13	2.1	2.11
MW-20	Selenium	mg/L	ND	ND	ND	ND	ND												
MW-20	Silver	mg/L	ND	ND	ND	ND	ND												
MW-20	Sulfate	mg/L	ND	33.57	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-20	TDS	mg/L	NS	20	28	ND	80	NT	NT	NT	NT	52	76		60	68	88	48	78
MW-20	Thallium	mg/L	ND	ND	ND	36	ND	ND	ND	ND	ND								
MW-20	Hardness	mg/L	NS	34	36	26	NT	NT	NT	NT	NT	ND	26		31	28	30	30	30
MW-20	Turbidity	NTU	ND	0.46	0.28	0.12	NT	NT	NT	NT	NT	ND	6.08	NT	NT	NT	NT	0	0
MW-20	Vanadium	mg/L	ND	ND	ND	ND	ND												
MW-20	Zinc	mg/L	0.0081	0.0084	0.0107	0.0349	0.0131	0.0223	0.0125	0.0155	0.0113	0.0106	0.012	0.0133	0.0125	0.0116	0.0134	0.0118	0.0118

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

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-21	Alkalinity	mg/L	NS	28	46	NS	NS	NT	NT	NT	NT	NT	43	52	84	38	50	42	42
MW-21	Ammonia	mg/L as N	NS	0.101	ND	NS	NS	NT	NT	NT	NT	ND	ND	ND	ND	0.312	ND	ND	ND
MW-21	Antimony	mg/L	ND	ND	ND	NS	NS	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-21	Arsenic	mg/L	ND	ND	ND	NS	NS	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-21	Barium	mg/L	0.0243	0.0059	0.0484	NS	NS	0.097	0.0783	0.0951	0.0152	0.0104	0.0248	0.0281	0.0567	0.0212	0.0492	0.0217	0.0222
MW-21	Beryllium	mg/L	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND							
MW-21	COD	mg/L	ND	ND	ND	NS	NS	NT	NT	NT	NT	ND	10.7	ND	ND	ND	ND	ND	ND
MW-21	Cadmium	mg/L	ND	ND	ND	NS	NS	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	20
MW-21	Chloride	mg/L	ND	3.75	59.024	NS	NS	NT	NT	NT	NT	8.65	19.6	32	35	15.3	26.2	23.8	0.0055
MW-21	Chromium	mg/L	0.0022	0.0052	0.0139	NS	NS	0.2466	0.1024	0.0074	0.0063	0.0597	0.0295	ND	0.025	0.013	0.0705	ND	ND
MW-21	Cobalt	mg/L	ND	ND	ND	NS	NS	ND	ND	ND	ND	14.9							
MW-21	Copper	mg/L	0.0117	0.0084	0.0145	NS	NS	0.0433	0.0323	0.0147	0.0106	0.0204	0.0164	ND	0.0125	0.01	0.0148	0.00654	0.005
MW-21	Iron	mg/L	ND	0.5452	1.4864	NS	NS	NT	NT	NT	NT	3.43	2.84	ND	1.22	1.44	3.26	0.204	0.207
MW-21	Lead	mg/L	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND							
MW-21	Manganese	mg/L	ND	0.0105	0.0371	NS	NS	NT	NT	NT	NT	0.0381	0.0595	0.0372	0.268	0.284	0.219	0.0326	0.0394
MW-21	Mercury	mg/L	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND							
MW-21	Nickel	mg/L	0.0026	0.0028	0.0101	NS	NS	0.0264	0.0097	0.0086	0.0051	0.0135	0.0106	ND	0.00913	0.00595	0.00804	ND	ND
MW-21	Nitrate	mg/L as N	ND	1.9757	2.2798	NS	NS	NT	NT	NT	NT	2.17	2.13	2.04	1.75	2.06	2.26	2.03	2.1
MW-21	Selenium	mg/L	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND							
MW-21	Silver	mg/L	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND							
MW-21	Sulfate	mg/L	ND	ND	7.75	NS	NS	NT	NT	NT	NT	ND	8.23	15.4	29	5.55	13.6	9.98	9.67
MW-21	TDS	mg/L	NS	88	208	NS	NS	NT	NT	NT	NT	48	160		236	156	192	140	136
MW-21	Thallium	mg/L	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND							
MW-21	Hardness	mg/L	NS	34	98	NS	NS	NT	NT	NT	NT	ND	54		127	48	74	64	60
MW-21	Turbidity	NTU	ND	1.35	3.92	NS	NS	NT	NT	NT	NT	ND	22.3	NT	NT	NT	NT	2.5	2.4
MW-21	Vanadium	mg/L	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND							
MW-21	Zinc	mg/L	0.0056	0.0048	0.0127	NS	NS	0.0235	0.028	0.023	ND	0.0148	0.0141	ND	0.0117	0.00706	0.0132	0.00827	0.00695

MW-22	Alkalinity	mg/L	NS	22	28	24	24	NT	NT	NT	NT	NT	34	32	34	34	32	30	39
MW-22	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	Barium	mg/L	0.0415	0.0335	0.0371	0.0317	0.0359	0.0279	0.0424	0.0315	0.0362	0.0372	0.0413	0.0413	0.044	0.046	0.0497	0.0392	0.0486
MW-22	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	7.1	ND	ND	ND	ND	10.1	ND
MW-22	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0002	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	7.86
MW-22	Chloride	mg/L	ND	10.8	10.9761	8.6316	11	NT	NT	NT	NT	7.92	8.8	7.8	8	7.52	9.18	7.8	ND
MW-22	Chromium	mg/L	ND	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	Copper	mg/L	0.012	0.014	0.0106	0.01	0.0243	0.0148	0.0146	0.0281	0.0078	0.0068	0.0081	ND	0.00565	0.00538	0.00726	0.00672	0.0126
MW-22	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	Lead	mg/L	ND	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	Manganese	mg/L	ND	0.0182	0.0194	0.0165	0.0126	NT	NT	NT	NT	0.011	0.0175	0.0154	0.0109	0.0117	0.0123	0.00987	0.00809
MW-22	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00029	0.00022	ND	ND	ND	ND	ND
MW-22	Nickel	mg/L	0.0049	0.0044	0.0037	0.0038	0.0046	0.0039	0.0034	0.0036	0.0034	ND	ND	ND	ND	ND	0.00552	ND	ND
MW-22	Nitrate	mg/L as N	ND	2.1842	2.4518	2.0124	2.49	NT	NT	NT	NT	1.84	2.31	1.9	2.29	2.17	2.69	2.26	2.5
MW-22	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	Sulfate	mg/L	ND	ND	10.44	9.5	3.41	NT	NT	NT	NT	12.7	16.9	11.1	17.9	17.5	17.6	15.7	22.8
MW-22	TDS	mg/L	NS	72	380	ND	128	NT	NT	NT	NT	48	144		92	72	92	62	112
MW-22	Thallium	mg/L	ND	ND	ND	64	ND	ND	ND	ND	ND	ND	ND						
MW-22	Hardness	mg/L	NS	48	50	38	NT	NT	NT	NT	NT	ND	57		57	54	60	52	70
MW-22	Turbidity	NTU	ND	0.24	0.61	0.12	NT	NT	NT	NT	NT	ND	0.392	NT	NT	NT	NT	34.2	25.9
MW-22	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	Zinc	mg/L	0.0128	0.0104	0.0233	0.0148	0.0301	0.0205	0.0158	0.0328	0.0122	0.0103	0.0115	0.0128	0.0139	0.0116	0.02	0.0151	0.0294

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

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-23	Alkalinity	mg/L	NS	22	28	14	26	NT	NT	NT	NT	NT	24	12	25	20	22	13.4	23
MW-23	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-23	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-23	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-23	Barium	mg/L	0.0287	0.0135	0.0299	0.0719	0.0341	0.0204	0.0415	0.0261	0.0341	0.0186	0.0339	0.0515	0.03	0.0247	0.0438	0.0275	0.0461
MW-23	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-23	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-23	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	11.9
MW-23	Chloride	mg/L	ND	3.57	7.5188	46.6018	6.4	NT	NT	NT	NT	5.56	8.2	39.5	6.17	6	9.81	8.41	ND
MW-23	Chromium	mg/L	ND	ND	ND	0.0022	ND	ND	ND	ND	ND	ND	ND						
MW-23	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-23	Copper	mg/L	0.0217	0.0077	0.0115	0.019	0.0157	0.0088	0.0114	0.0194	0.0114	0.0075	0.0095	0.0067	0.00507	0.00669	0.00538	0.0113	0.00886
MW-23	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-23	Lead	mg/L	0.0024	ND	ND	0.0025	ND	ND	ND	ND	ND	ND	ND						
MW-23	Manganese	mg/L	ND	0.0116	0.0541	0.0669	0.0824	NT	NT	NT	NT	0.0249	0.103	0.0246	0.0562	0.0324	0.109	0.0454	0.142
MW-23	Mercury	mg/L	0.0006	ND	0.0004	ND	0.0009	ND	0.0007	ND	0.0006	ND	0.00045	ND	ND	ND	0.00043	ND	0.0004
MW-23	Nickel	mg/L	0.0072	0.0025	0.0061	0.0083	0.0069	0.0038	0.0061	0.0047	0.0065	ND	0.0075	ND	ND	ND	0.00629	ND	0.0076
MW-23	Nitrate	mg/L as N	ND	0.912	3.0221	4.8064	3.41	NT	NT	NT	NT	1.2611	3.6	2.15	2.44	1.55	3.87	1.98	4.03
MW-23	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-23	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-23	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-23	TDS	mg/L	NS	36	NS	ND	100	NT	NT	NT	NT	20	64	64	60	80	66	98	
MW-23	Thallium	mg/L	ND	ND	ND	196	ND	ND	ND	ND	ND	ND	ND						
MW-23	Hardness	mg/L	NS	24	34	72	NT	NT	NT	NT	NT	ND	30	27	20	34	20	40	
MW-23	Turbidity	NTU	ND	0.12	0.6	1.97	NT	NT	NT	NT	NT	ND	0.418	NT	NT	NT	NT	0	0
MW-23	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-23	Zinc	mg/L	0.0168	0.0086	0.021	0.0316	0.0258	0.0153	0.0203	0.0218	0.0188	0.0108	0.0198	0.0111	0.0173	0.0143	0.0272	0.0178	0.0243

MW-24	Alkalinity	mg/L	NS	32	32	24	34	NT	NT	NT	NT	NT	44	28	27	31	28	28	29
MW-24	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Barium	mg/L	0.0347	0.0335	0.0359	0.0346	0.0363	0.0307	0.0402	0.0385	0.0342	0.0343	0.0278	0.0357	0.0358	0.0353	0.038	0.0293	0.0378
MW-24	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	7.6	ND	ND	ND	ND	ND	ND
MW-24	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0004	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	15.5
MW-24	Chloride	mg/L	ND	18.1	18.7053	17.6738	15.8	NT	NT	NT	NT	14.1	12.1	14.7	15.2	13.5	15.8	14.6	ND
MW-24	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Copper	mg/L	0.0145	0.0161	0.012	0.0104	0.0191	0.0098	0.0137	0.0252	0.0078	0.0071	0.0233	ND	0.00588	0.00652	ND	0.00851	0.00763
MW-24	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Lead	mg/L	ND	0.003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Manganese	mg/L	ND	0.0797	0.0568	0.1024	0.1077	NT	NT	NT	NT	0.0656	0.0901	0.0545	0.0465	0.0532	0.0318	0.0413	0.0352
MW-24	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00028	ND	ND	ND	ND	ND	ND
MW-24	Nickel	mg/L	0.0027	0.0031	0.0023	0.0024	0.0038	ND	ND	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Nitrate	mg/L as N	ND	3.5557	3.7925	3.9286	4.14	NT	NT	NT	NT	3.1275	3.14	3.35	3.57	3.13	3.35	3.1	3.33
MW-24	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Sulfate	mg/L	ND	ND	15.24	17.27	14	NT	NT	NT	NT	18.3	29.6	18.2	19.8	20.8	20.2	18.7	20
MW-24	TDS	mg/L	NS	56	NS	ND	81296	NT	NT	NT	NT	80	160	128	92	136	88	120	
MW-24	Thallium	mg/L	ND	ND	ND	92	ND	ND	ND	ND	ND	ND	ND						
MW-24	Hardness	mg/L	NS	68	64	58	NT	NT	NT	NT	NT	ND	80	62	62	68	62	66	
MW-24	Turbidity	NTU	ND	0.13	0.6	0.09	NT	NT	NT	NT	NT	ND	0.673	NT	NT	NT	NT	0	0
MW-24	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Zinc	mg/L	0.0087	0.0073	0.0135	0.0172	0.0234	0.0125	0.0124	0.0217	ND	0.0078	0.0334	0.00867	0.0106	0.0104	0.0116	0.0131	0.0116

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

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-25	Alkalinity	mg/L	NS	16	14	NT	14	NT	NT	NT	NT	NT	13	13	12	12	9	5.5	5.9
MW-25	Ammonia	mg/L as N	NS	ND	ND	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-25	Antimony	mg/L	ND	ND	ND	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-25	Arsenic	mg/L	ND	ND	ND	NT	ND	ND	ND	ND	ND								
MW-25	Barium	mg/L	0.0497	0.0535	0.0617	NT	0.0602	0.0797	0.0779	0.0732	0.0708	0.0798	0.0746	0.0832	0.0834	0.0903	0.0916	0.0815	0.0934
MW-25	Beryllium	mg/L	ND	ND	ND	NT	ND	ND	ND	ND	ND								
MW-25	COD	mg/L	ND	ND	ND	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-25	Cadmium	mg/L	ND	ND	ND	NT	ND	0.0002	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	74.6
MW-25	Chloride	mg/L	ND	41.3	42.7218	NT	45.2	NT	NT	NT	NT	57	59.4	61.1	65.3	67.2	70	73.7	ND
MW-25	Chromium	mg/L	ND	ND	ND	NT	ND	0.0037	ND	ND	ND	ND	ND						
MW-25	Cobalt	mg/L	ND	ND	ND	NT	ND	ND	ND	ND	ND								
MW-25	Copper	mg/L	0.012	0.0099	0.0154	NT	0.0189	0.0149	0.015	0.0234	0.011	0.0152	0.015	0.0081	0.00696	0.00945	0.00769	0.0134	0.0159
MW-25	Iron	mg/L	ND	ND	0.7076	NT	ND	NT	NT	NT	NT	ND	ND	ND	0.705	0.43	0.258	0.254	0.313
MW-25	Lead	mg/L	ND	ND	0.0026	NT	ND	ND	ND	ND	ND								
MW-25	Manganese	mg/L	ND	0.01	0.0211	NT	0.009	NT	NT	NT	NT	0.0123	0.0125	0.0123	0.0241	0.0172	0.0123	0.017	0.0142
MW-25	Mercury	mg/L	ND	ND	ND	NT	ND	ND	ND	ND	ND								
MW-25	Nickel	mg/L	0.0053	0.005	0.006	NT	0.0059	0.008	0.0055	0.0072	0.0058	0.0068	0.0079	0.0072	0.00741	0.00871	0.0064	0.00919	0.00737
MW-25	Nitrate	mg/L as N	ND	4.6763	4.5707	NT	4.45	NT	NT	NT	NT	4.12	4.34	4.09	3.72	3.87	3.87	3.75	3.65
MW-25	Selenium	mg/L	ND	ND	ND	NT	ND	ND	ND	ND	ND								
MW-25	Silver	mg/L	ND	ND	ND	NT	ND	ND	ND	ND	ND								
MW-25	Sulfate	mg/L	ND	ND	ND	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-25	TDS	mg/L	NS	128	NS	NT	178424	NT	NT	NT	NT	160	244		228	200	296	200	228
MW-25	Thallium	mg/L	ND	ND	ND	NT	ND	ND	ND	ND	ND								
MW-25	Hardness	mg/L	NS	60	60	NT	NT	NT	NT	NT	NT	ND	76		84	84	86	86	90
MW-25	Turbidity	NTU	ND	1.89	6	NT	NT	NT	NT	NT	NT	ND	2.98	NT	NT	NT	NT	5.9	6.4
MW-25	Vanadium	mg/L	ND	ND	ND	NT	ND	0.0032	ND	ND	ND	ND	ND						
MW-25	Zinc	mg/L	0.0148	0.0148	0.0248	NT	0.0256	0.0273	0.0218	0.0462	0.0179	0.0228	0.0226	0.0252	0.0238	0.027	0.0278	0.0283	0.0329

MW-26	Alkalinity	mg/L	NS	16	26	24	26	NT	NT	NT	NS	NT	16	17	17	16	24	12.1	11.6
MW-26	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-26	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-26	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-26	Barium	mg/L	0.0227	0.0198	0.023	0.0246	0.0282	0.0203	0.0315	0.0286	NS	0.03	0.0304	0.0342	0.0423	0.0402	0.0403	0.0314	0.0423
MW-26	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-26	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-26	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0001	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND	45.1
MW-26	Chloride	mg/L	ND	22.7	23.6273	27.7183	29.4	NT	NT	NT	NS	32.6	35.6	35.2	38.9	38.8	42.8	42.9	ND
MW-26	Chromium	mg/L	ND	ND	ND	ND	0.0173	ND	ND	ND	NS	ND	ND	ND	0.00546	ND	ND	ND	ND
MW-26	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-26	Copper	mg/L	0.0135	0.0122	0.011	0.0093	ND	0.0102	0.0157	0.0141	NS	0.0102	0.0111	0.0101	0.012	0.00804	0.00706	0.0129	0.0108
MW-26	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NS	ND	ND	1.25	3.29	1.04	1.66	0.87	1.01
MW-26	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-26	Manganese	mg/L	ND	0.0032	ND	0.0031	0.003	NT	NT	NT	NS	ND	ND	0.0096	0.0244	0.0121	0.0126	0.0155	0.0155
MW-26	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-26	Nickel	mg/L	0.0032	0.0029	0.0026	0.0032	0.0028	0.0023	ND	0.0034	NS	ND	ND	ND	0.00594	ND	ND	0.00508	ND
MW-26	Nitrate	mg/L as N	ND	2.9549	2.7805	3.7648	3.01	NT	NT	NT	NS	2.64	2.81	2.64	2.67	2.5	2.52	2.41	2.35
MW-26	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-26	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-26	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-26	TDS	mg/L	NS	76	NS	ND	144	NT	NT	NT	NS	88	156		176	136	196	136	144
MW-26	Thallium	mg/L	ND	ND	ND	120	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-26	Hardness	mg/L	NS	40	38	48	NT	NT	NT	NT	NS	ND	53		57	56	60	60	62
MW-26	Turbidity	NTU	ND	3.75	3	0.32	NT	NT	NT	NT	NS	ND	9.41	NT	NT	NT	NT	24.9	22.6
MW-26	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	0.00644	ND	ND	ND	ND
MW-26	Zinc	mg/L	0.0128	0.0087	0.0141	0.0159	0.0173	0.0165	0.0157	0.0168	NS	0.0132	0.0126	0.0145	0.0239	0.0154	0.0201	0.0189	0.0208

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

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
MW-27	Alkalinity	mg/L	NS	12	16	14	1	NT	NT	NT	NT	NT	13	17	12	10	7	4.9	5.7
MW-27	Ammonia	mg/L as N	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	Antimony	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	Barium	mg/L	0.0324	0.044	0.0329	0.0933	0.041	0.0195	0.0218	0.0388	0.0203	0.0704	0.0195	0.0229	0.0393	0.0728	0.039	0.0448	0.0327
MW-27	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	COD	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	21.8
MW-27	Chloride	mg/L	ND	31.9	24.3808	75.869	21.8	NT	NT	NT	NT	49.4	36.3	5.28	28.8	54.5	25.6	40.9	ND
MW-27	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	Copper	mg/L	0.0104	0.0097	0.0114	0.0148	0.02	0.0066	0.0096	0.0164	0.0074	0.0116	0.0108	0.0051	ND	0.00684	ND	0.0163	0.00648
MW-27	Iron	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	Lead	mg/L	ND	ND	0.0028	ND	ND	ND	ND	ND									
MW-27	Manganese	mg/L	ND	0.023	0.0171	0.0571	0.024	NT	NT	NT	NT	0.0365	0.0102	0.0294	0.0185	0.0331	0.0184	0.0273	0.0156
MW-27	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	Nickel	mg/L	0.0032	0.0041	0.0035	0.0049	0.005	ND	0.0021	0.0031	0.0022	ND	ND	ND	ND	0.00534	ND	ND	ND
MW-27	Nitrate	mg/L as N	ND	3.1729	2.8423	2.5758	4.75	NT	NT	NT	NT	2.7952	2.68	1.19	2.21	2.28	3.44	1.83	2.71
MW-27	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	Sulfate	mg/L	ND	ND	ND	ND	ND	NT	NT	NT	NT	2.54	ND	ND	ND	ND	ND	ND	ND
MW-27	TDS	mg/L	NS	144	364	ND	152	NT	NT	NT	NT	100	92		100	136	104	102	88
MW-27	Thallium	mg/L	ND	ND	ND	168	ND	ND	ND	ND	ND								
MW-27	Hardness	mg/L	NS	36	36	48	NT	NT	NT	NT	NT	ND	20		27	40	30	32	24
MW-27	Turbidity	NTU	ND	0.25	0.7	0.72	NT	NT	NT	NT	NT	ND	0.948	NT	NT	NT	NT	0	0
MW-27	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	Zinc	mg/L	0.0055	0.0067	0.0122	0.016	0.02	0.0066	0.0074	0.0157	ND	0.0121	0.019	0.0128	0.00819	0.0178	0.00861	0.0208	0.00975

SW-20	Alkalinity	mg/L	NS	136	98	116	NS	NT	NT	NT	NT	NT	52	68	59	69	43	72	44
SW-20	Ammonia	mg/L as N	NS	0.207	ND	1.661	NS	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Antimony	mg/L	ND	ND	ND	ND	NS	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Arsenic	mg/L	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Barium	mg/L	0.0241	0.0254	0.0246	0.2713	NS	0.0122	0.0223	0.0128	0.0129	0.0131	0.0127	0.0359	0.0206	NT	0.0253	0.0166	0.0227
SW-20	Beryllium	mg/L	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	COD	mg/L	ND	ND	12.4	ND	NS	NT	NT	NT	NT	ND	27.2	17.1	24.5	32.2	31.1	18.2	ND
SW-20	Cadmium	mg/L	ND	ND	ND	204	NS	ND	NT	NT	NT	24.7	ND	ND	ND	ND	ND	ND	3.17
SW-20	Chloride	mg/L	ND	16.6	4.9094	55204	NS	NT	NT	NT	NT	3.72	4.39	4.57	2.9	4.91	5.16	5.58	ND
SW-20	Chromium	mg/L	ND	ND	ND	0.0145	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Cobalt	mg/L	ND	ND	ND	0.0112	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.6
SW-20	Copper	mg/L	ND	0.007	ND	0.0153	NS	0.0058	0.0077	0.0052	0.0061	ND	0.0059	ND	0.00548	ND	0.00541	ND	ND
SW-20	Iron	mg/L	ND	0.7513	ND	11.2512	NS	NT	NT	NT	NT	1.74	0.983	2.01	2.27	2.42	4.14	1.07	1.54
SW-20	Lead	mg/L	ND	ND	0.0033	0.0092	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Manganese	mg/L	ND	0.4952	ND	0.9064	NS	NT	NT	NT	NT	0.246	0.0698	0.148	0.163	0.202	0.179	0.272	0.0887
SW-20	Mercury	mg/L	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Nickel	mg/L	0.0032	0.0028	0.003	0.0105	NS	0.0023	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Nitrate	mg/L as N	ND	0.0928	0.2417	ND	NS	NT	NT	NT	NT	ND	ND	ND	ND	ND	4.27	ND	ND
SW-20	Selenium	mg/L	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Silver	mg/L	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Sulfate	mg/L	ND	ND	16.7467	6.69	NS	NT	NT	NT	NT	10.5	5.79	6.28	7.81	5.58	10	5.25	7.26
SW-20	TDS	mg/L	NS	208	NS	ND	NS	NT	NT	NT	NT	68	108		96	140	108	102	94
SW-20	Thallium	mg/L	ND	ND	ND	64	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Hardness	mg/L	NS	164	102	116	NS	NT	NT	NT	NT	ND	50		63	68	56	76	50
SW-20	Turbidity	NTU	ND	5.6	18	67.8	NS	NT	NT	NT	NT	ND	5.58	NT	NT	NT	NT	4.1	38.2
SW-20	Vanadium	mg/L	0.0029	ND	0.0024	0.0247	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Zinc	mg/L	0.0083	0.0034	ND	0.0414	NS	0.0137	0.0113	ND	ND	ND	0.00542	0.00785	0.00902	0.00766	0.0107	0.00722	0.00727

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

**Table 4: Elements and Indicator Parameters - Seven Year Summary**

Sample	Parameter	Units	Oct-05	Apr-06	Oct-06	Apr-07	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13
SW-30	Alkalinity	mg/L	NS	102	72	68	NS	NT	NT	NT	NT	NT	90	80	96	92	67	111	89
SW-30	Ammonia	mg/L as N	NS	0.136	ND	ND	NS	NT	NT	NT	NT	ND	0.281	ND	ND	ND	0.498	0.231	ND
SW-30	Antimony	mg/L	ND	ND	ND	ND	NS	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Arsenic	mg/L	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Barium	mg/L	0.0153	0.0192	0.0212	0.0145	NS	0.0137	0.0564	0.0301	0.0319	0.0113	0.0196	0.0094	0.0229	0.017	0.044	0.0304	0.0425
SW-30	Beryllium	mg/L	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	COD	mg/L	ND	ND	21.6	ND	NS	NT	NT	NT	NT	ND	18.7	10.5	16.6	32.4	24.1	30.8	ND
SW-30	Cadmium	mg/L	ND	ND	ND	18.8	NS	ND	NT	NT	NT	26.2	ND	ND	ND	ND	ND	ND	4.3
SW-30	Chloride	mg/L	ND	6.13	6.4561	3.0787	NS	NT	NT	NT	NT	7.43	4.02	3.77	ND	ND	3.83	5.09	ND
SW-30	Chromium	mg/L	ND	ND	ND	ND	NS	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Cobalt	mg/L	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.6
SW-30	Copper	mg/L	0.0133	0.0148	ND	0.0065	NS	0.0058	0.0067	0.0053	0.0068	0.0055	0.0058	ND	ND	0.00517	ND	0.00578	0.00584
SW-30	Iron	mg/L	ND	1.74	ND	ND	NS	NT	NT	NT	NT	1.26	1.42	0.923	0.782	1.61	3.66	2.77	0.665
SW-30	Lead	mg/L	0.0025	ND	0.0039	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Manganese	mg/L	ND	0.3607	0.2213	0.3135	NS	NT	NT	NT	NT	0.197	0.301	0.0903	0.0596	0.372	0.288	0.404	0.0686
SW-30	Mercury	mg/L	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Nickel	mg/L	0.0026	0.0024	0.0027	0.0021	NS	0.003	0.0033	0.0038	0.0049	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Nitrate	mg/L as N	ND	0.43	0.0791	0.2174	NS	NT	NT	NT	NT	ND	ND	0.284	ND	ND	0.268	ND	ND
SW-30	Selenium	mg/L	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Silver	mg/L	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Sulfate	mg/L	ND	ND	ND	ND	NS	NT	NT	NT	NT	8.19	ND	14.5	11.4	4.02	46.4	8.94	58
SW-30	TDS	mg/L	NS	108	NS	ND	NS	NT	NT	NT	NT	120	140		156	144	180	146	220
SW-30	Thallium	mg/L	ND	ND	ND	92	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Hardness	mg/L	NS	106	74	74	NS	NT	NT	NT	NT	ND	83		100	86	110	110	132
SW-30	Turbidity	NTU	ND	6.1	22	6.83	NS	NT	NT	NT	NT	ND	10.1	NT	NT	NT	NT	7	12.5
SW-30	Vanadium	mg/L	ND	ND	ND	ND	NS	0.0021	ND	ND	0.0055	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Zinc	mg/L	0.007	0.0052	0.0323	0.0077	NS	0.017	0.006	ND	ND	ND	0.00633	ND	0.0103	0.00669	0.00768	0.00943	0.00545

**TABLE A - Results for Filtered and Unfiltered Metal Samples**

		Monitoring Well										
		MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	
Parameter	Antimony	Unfiltered	ND	ND	ND							
		Filtered	ND	ND	ND							
	Arsenic	Unfiltered	ND	ND	ND							
		Filtered	ND	ND	ND							
	Barium	Unfiltered	0.0165	0.0098	0.0187	0.0403	0.0231	0.0582	0.0204	0.0359	0.0184	0.00832
		Filtered	0.0167	0.00964	0.0181	0.0414	0.0219	0.0607	0.0207	0.0366	0.0179	0.00783
	Beryllium	Unfiltered	ND	ND	ND							
		Filtered	ND	ND	ND							
	Cadmium	Unfiltered	ND	ND	ND							
		Filtered	ND	ND	ND							
	Calcium	Unfiltered	11.5	12.6	16	11.7	10.8	20.1	10.4	7.79	13.4	5.72
		Filtered	11.8	12.6	15.1	11.9	10.4	20	11	7.91	12.7	5.34
	Chromium	Unfiltered	ND	ND	0.0123	ND	ND	ND	ND	ND	ND	ND
		Filtered	ND	ND	ND							
	Cobalt	Unfiltered	ND	ND	ND							
		Filtered	ND	ND	ND							
	Copper	Unfiltered	0.00725	0.0052	0.0126	0.00907	0.00733	0.0111	0.00543	0.00877	ND	0.00501
		Filtered	0.00897	0.00608	0.0129	0.00942	0.00848	0.00946	0.00687	0.00726	ND	0.00546
	Iron	Unfiltered	ND	ND	1.06	ND	0.313	0.2	ND	ND	0.836	ND
		Filtered	ND	0.616	ND							
	Lead	Unfiltered	ND	ND	ND							
		Filtered	ND	ND	ND							
	Magnesium	Unfiltered	5.58	5.52	9.69	7.69	7.35	12.9	6.46	5.71	4.81	3.35
		Filtered	5.55	5.34	8.99	7.75	6.91	13.5	6.92	5.8	4.64	3.25
	Manganese	Unfiltered	ND	ND	0.0204	0.011	0.0153	0.291	0.00577	0.0106	0.13	ND
		Filtered	ND	ND	0.00853	0.0102	ND	0.285	ND	0.00995	0.106	ND
	Mercury	Unfiltered	ND	ND	ND	ND	ND	0.00077	ND	ND	ND	ND
		Filtered	ND	ND	ND	ND	ND	0.00048	ND	ND	ND	ND
	Nickel	Unfiltered	ND	ND	0.00805	0.00595	ND	0.00933	ND	0.00803	ND	ND
		Filtered	ND	ND	0.00945	0.00629	ND	0.00948	ND	0.00822	ND	ND
	Potassium	Unfiltered	1.01	1.17	2.03	1.39	1.24	1.96	1.29	0.85	0.95	0.618
		Filtered	1.08	1.21	2.03	1.43	1.23	2	1.35	0.852	0.907	0.606
Selenium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Silver	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Sodium	Unfiltered	6.77	6.49	12.4	5.76	3.35	7.79	7.9	6.05	6.35	6.05	
	Filtered	6.76	6.39	11.7	5.72	3.27	7.89	8.29	6.13	6.28	5.9	
Thallium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vanadium	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	Unfiltered	0.00993	0.00713	0.0171	0.0233	0.012	0.0267	0.0102	0.0186	ND	ND	
	Filtered	0.013	0.00866	0.0235	0.0211	0.0117	0.0229	0.00983	0.0178	ND	ND	

ND: Not Detected  
NS: Not Sampled

**TABLE A - Results for Filtered and Unfiltered Metal Samples**

		Monitoring Well										
		MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18A	MW-19	MW-20	
<b>Parameter</b>	<b>Antimony</b>	Unfiltered	ND									
		Filtered	ND									
	<b>Arsenic</b>	Unfiltered	ND									
		Filtered	ND									
	<b>Barium</b>	Unfiltered	0.0193	0.00798	0.013	0.0445	0.0984	0.0337	0.0414	0.024	0.0475	0.0272
		Filtered	0.0182	0.00871	0.013	0.0364	0.0983	0.0332	0.0425	0.0246	0.0455	0.0284
	<b>Beryllium</b>	Unfiltered	ND									
		Filtered	ND									
	<b>Cadmium</b>	Unfiltered	ND									
		Filtered	ND									
	<b>Calcium</b>	Unfiltered	6.81	5.22	4.87	56.3	14.8	15.1	5.44	3.1	6.08	8.15
		Filtered	7.35	5.27	5.04	54.2	14.8	14.5	5.46	3.21	5.85	8.61
	<b>Chromium</b>	Unfiltered	ND									
		Filtered	ND									
	<b>Cobalt</b>	Unfiltered	ND									
		Filtered	ND									
	<b>Copper</b>	Unfiltered	0.00993	ND	0.0067	0.0114	0.00872	0.00757	0.0104	0.00675	0.00679	0.00668
		Filtered	0.00639	ND	0.00669	ND	0.00751	0.00782	0.0157	0.00825	0.0118	0.00649
	<b>Iron</b>	Unfiltered	0.412	ND	0.788	3.98	ND	ND	ND	ND	ND	ND
		Filtered	ND	ND	ND	0.248	ND	ND	ND	ND	ND	ND
	<b>Lead</b>	Unfiltered	ND	ND	ND	0.00544	ND	ND	ND	ND	ND	ND
		Filtered	ND									
	<b>Magnesium</b>	Unfiltered	3.92	3.56	3.78	12	5.01	12.4	5.35	2.94	4.45	4.46
		Filtered	4.32	3.59	3.86	12.9	5.22	11.5	5.32	2.93	4.08	4.69
	<b>Manganese</b>	Unfiltered	0.0226	ND	0.0134	0.132	0.00576	0.0302	0.0149	0.011	0.0126	ND
		Filtered	ND	ND	ND	ND	0.00502	0.028	0.0146	0.0111	0.0119	ND
<b>Mercury</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Nickel</b>	Unfiltered	ND	ND	ND	0.00679	ND	0.00725	0.00619	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	0.00708	0.00646	ND	ND	ND	
<b>Potassium</b>	Unfiltered	1.03	0.864	0.284	1.8	1.19	1.21	1.49	1.14	1.52	0.719	
	Filtered	1.11	0.883	0.271	1.75	1.21	1.17	1.6	1.16	1.36	0.738	
<b>Selenium</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Silver</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Sodium</b>	Unfiltered	4.82	6.42	5.39	5.92	9.07	8.17	4.88	3.01	5.86	5	
	Filtered	5.26	6.48	5.54	6.45	9.19	7.49	5.12	3.03	5.17	5.15	
<b>Thallium</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Vanadium</b>	Unfiltered	ND	ND	ND	0.00685	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Zinc</b>	Unfiltered	0.0181	0.00665	0.00936	0.0125	0.0186	0.0244	0.029	0.00965	0.0172	0.0118	
	Filtered	0.0144	0.00501	0.00668	ND	0.0155	0.0265	0.0303	0.0109	0.019	0.0123	

ND: Not Detected  
NS: Not Sampled

**TABLE A - Results for Filtered and Unfiltered Metal Samples**

		Monitoring Well							AVERAGE	
		MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	MW-27		
<b>Parameter</b>	<b>Antimony</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
		Filtered	ND	ND	ND	ND	ND	ND	ND	ND
	<b>Arsenic</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
		Filtered	ND	ND	ND	ND	ND	ND	ND	ND
	<b>Barium</b>	Unfiltered	0.0222	0.0486	0.0461	0.0378	0.0934	0.0423	0.0327	0.034433333
		Filtered	0.0217	0.0486	0.045	0.0352	0.093	0.0378	0.0333	0.033884444
	<b>Beryllium</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
		Filtered	ND	ND	ND	ND	ND	ND	ND	ND
	<b>Cadmium</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
		Filtered	ND	ND	ND	ND	ND	ND	ND	ND
	<b>Calcium</b>	Unfiltered	13.8	14.7	8.8	15.2	17.6	15.8	5.29	12.48407407
		Filtered	15.4	14.1	8.17	13.3	19.5	15.1	5.23	12.36444444
	<b>Chromium</b>	Unfiltered	0.0055	ND	ND	ND	ND	ND	ND	0.0089
		Filtered	ND	ND	ND	ND	ND	ND	ND	ND
	<b>Cobalt</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
		Filtered	ND	ND	ND	ND	ND	ND	ND	ND
	<b>Copper</b>	Unfiltered	0.005	0.0126	0.00886	0.00763	0.0159	0.0108	0.00648	0.0085588
		Filtered	ND	0.0108	0.0104	0.00624	0.0182	0.0131	0.00932	0.009287391
	<b>Iron</b>	Unfiltered	0.207	ND	ND	ND	0.313	1.01	ND	0.9119
		Filtered	ND	ND	ND	ND	ND	ND	ND	0.432
	<b>Lead</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND
		Filtered	ND	ND	ND	ND	ND	ND	ND	ND
	<b>Magnesium</b>	Unfiltered	8.27	12.1	6.76	11.2	15.3	9.29	4.07	7.182222222
		Filtered	9.69	11.5	5.92	9.4	13.8	8.53	3.91	7.03
	<b>Manganese</b>	Unfiltered	0.0394	0.00809	0.142	0.0352	0.0142	0.0155	0.0156	0.045296364
		Filtered	ND	0.00783	0.137	0.0327	0.0102	0.00504	0.0153	0.043648125
	<b>Mercury</b>	Unfiltered	ND	ND	0.0004	ND	ND	ND	ND	0.0005845
		Filtered	ND	ND	0.00028	ND	ND	ND	ND	0.0003795
<b>Nickel</b>	Unfiltered	ND	ND	0.0076	ND	0.00737	ND	ND	0.007395556	
	Filtered	ND	ND	0.00797	ND	0.00779	ND	ND	0.0078425	
<b>Potassium</b>	Unfiltered	3.27	1.83	1.65	1.83	2.62	2.2	1.56	1.433888889	
	Filtered	3.7	1.75	1.49	1.59	2.43	1.83	1.54	1.417666667	
<b>Selenium</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Silver</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Sodium</b>	Unfiltered	11.4	5.46	8.99	7.94	16.6	9.35	11.5	7.358888889	
	Filtered	13	5.35	7.78	6.65	15	8.89	11.1	7.221481481	
<b>Thallium</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Vanadium</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	0.00685	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Zinc</b>	Unfiltered	0.00695	0.0294	0.0243	0.0116	0.0329	0.0208	0.00975	0.0167168	
	Filtered	0.00542	0.0199	0.026	0.011	0.0292	0.0178	0.0126	0.016291667	

ND: Not Detected  
NS: Not Sampled

# **Appendix E**

## **Table of Groundwater Elevations and Groundwater Elevation Contour Map**

**Results in (ft. AMSL)**

# WATER TABLE ELEVATIONS OAKS LANDFILL

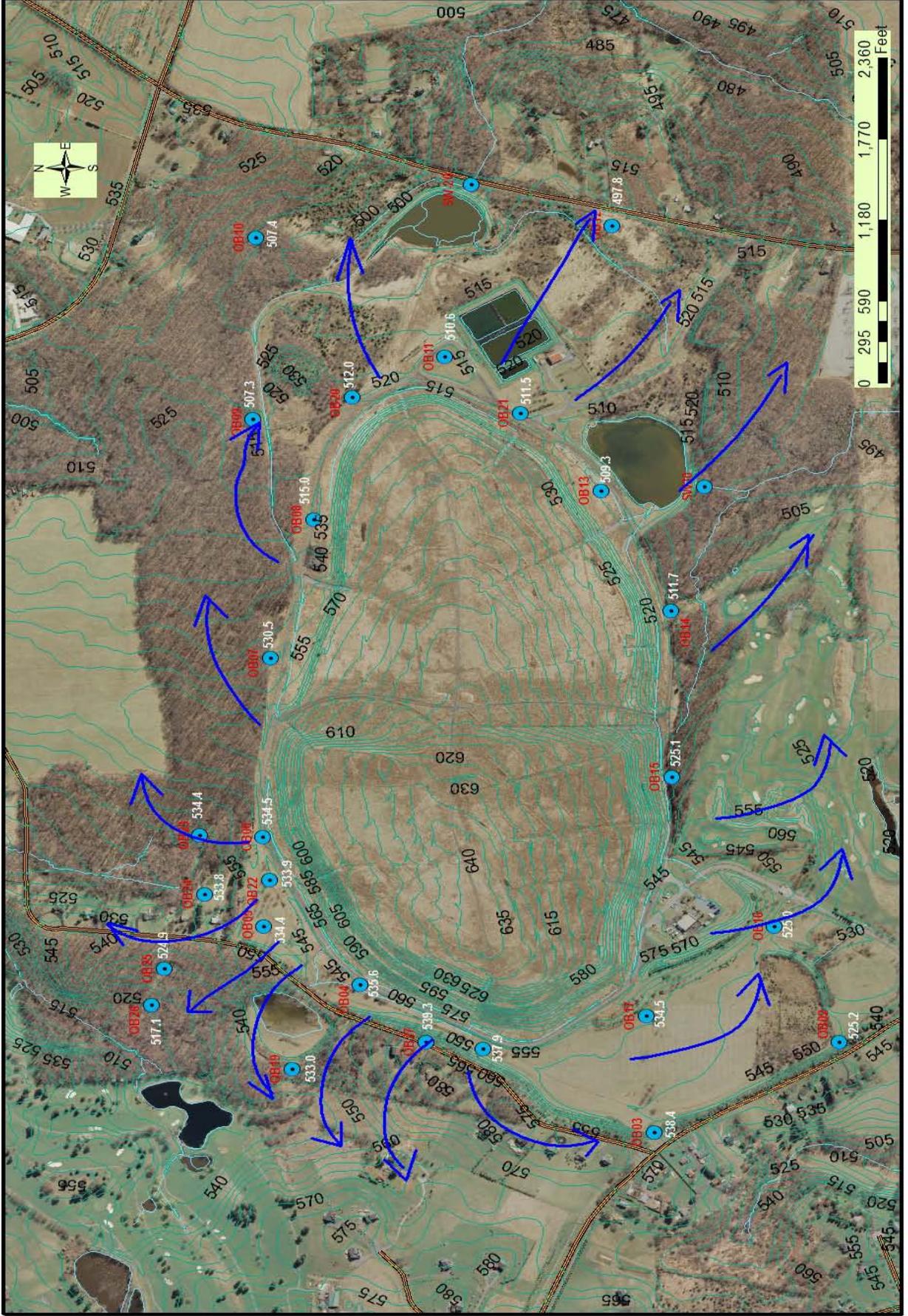
Monitoring Location	Elevation (ft)	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Elevation Change (ft)	Measured water Level elevations from Ground surface - October 2013
MW01	533.71	519.61	519.51	522.11	523.41	524.3	521.1	524.5	523.5	523.3	516.3	519.1	516.8	-2.26	16.91
MW02	545.29	528.79	526.99	526.79	526.99	530.5	525.7	529.3	528.4	528.4	521.0	528.1	525.2	-2.94	20.12
MW03	549.87	541.27	537.87	538.97	540.47	542.0	538.8	541.3	541.6	539.8	533.9	539.9	538.4	-1.53	11.47
MW04	553.8	539.3	533.5	537.9	536.5	540.0	535.7	539.8	538.9	537.8	531.8	538.1	535.6	-2.49	18.21
MW05	550.71	538.41	533.71	539.11	535.71	537.1	534.7	537.9	536.9	536.3	530.4	536.4	534.4	-1.98	16.29
MW06	560.56	538.06	532.96	537.06	534.76	540.1	535.1	539.0	537.4	538.8	531.5	538.5	534.5	-3.94	26.02
MW07	549.44	534.64	528.44	532.64	530.74	538.9	531.0	536.3	533.4	536.8	529.0	535.0	530.5	-4.52	18.93
MW08	529.99	519.69	512.69	517.89	514.79	520.4	514.1	519.8	516.4	519.3	513.0	519.2	515.0	-4.20	15.04
MW09	522.94	515.14	507.24	512.94	507.54	512.8	504.2	513.3	510.2	511.8	503.6	512.5	507.3	-5.26	15.67
MW10	516.19	513.49	507.99	512.79	509.09	513.4	507.5	513.6	510.7	512.5	503.9	512.5	507.4	-5.15	8.84
MW11	523.39	515.19	509.29	514.59	511.19	513.4	509.6	514.7	514.0	511.7	506.8	513.1	510.6	-2.45	12.78
MW12	507.49	504.29	493.29	503.59	499.69	502.9	498.7	505.4	501.8	501.7	495.0	502.4	497.8	-4.62	9.67
MW13	519.46	511.66	507.16	509.96	509.66	511.4	509.4	511.2	510.3	510.8	508.2	510.7	509.3	-1.44	10.19
MW14	520.43	515.73	511.43	515.53	512.63	516.0	513.3	516.0	515.6	515.3	510.2	515.5	511.7	-3.79	8.77
MW15	546.75	529.75	526.05	528.45	527.75	531.6	527.9	530.7	529.5	530.1	525.4	528.1	525.1	-2.96	21.62
MW16	540.29	530.19	525.39	528.69	527.79	532.9	527.5	532.2	529.9	530.2	523.9	528.9	525.0	-3.90	15.28
MW17	552.57	535.27	532.57	534.77	535.27	540.0	535.1	538.2	536.8	538.5	532.8	537.2	534.5	-2.69	18.06
MW18A	556.4	541.6	536.3	539.1	537.5	542.7	538.1	542.2	541.7	540.8	533.6	540.5	537.9	-2.61	18.47
MW19	551.87	536.27	533.17	535.07	534.17	536.1	533.4	536.1	535.2	535.0	525.0	535.1	533.0	-2.09	18.89
MW20	523.14	NM	510.04	517.44	512.44	516.8	510.7	518.2	515.3	514.9	508.0	516.2	512.0	-4.18	11.11
MW21	521.82	515.02	510.42	514.02	511.72	514.3	510.9	515.0	513.7	513.4	508.9	514.2	511.5	-2.72	10.35
MW22	553.06	537.76	533.76	536.36	535.16	536.8	534.5	537.5	536.3	536.3	529.5	536.3	533.9	-2.42	19.17
MW23	546.44	NM	NM	NM	NM	539.2	534.9	539.6	537.1	538.7	532.0	538.3	534.4	-3.92	12.02
MW24	542.58	534.98	533.68	534.38	534.78	535.1	534.0	535.8	535.0	534.7	531.3	534.8	533.8	-1.00	8.78
MW25	539.52	530.92	525.22	528.72	525.02	529.6	524.9	531.6	527.5	529.4	522.2	529.7	524.9	-4.82	14.65
MW26	524.92	520.32	518.92	520.72	NM	519.2	516.9	520.8	518.7	519.1	505.6	519.5	517.1	-2.35	7.78
MW27	585	NM	NM		NM	NM	NM	543.8	542.5	542.9	535.6	542.6	539.3	-3.32	45.69
Average Water Table Elevation Change Since April 2013 - in feet														<b>-3.16</b>	

NM: Not Measured

FALL 2013 Data

# Oaks Landfill Monitoring Well Locations

## Groundwater Contour Map and Flow Direction (October 2013)



# **Appendix F**

## **Methane Gas Monitoring Results**

**Results in (%)**

# OAKS LANDFILL METHANE GAS (CH<sub>4</sub>) AT GROUNDWATER MONITORING WELLS

Well #	Apr-09	Jul-09	Oct-09	Jan-10	Apr-10	Jun-10	Oct-10	Jan-11	Apr-11	Jun-11	Oct-11	Dec-12	Mar-12	Jun-12	Oct-12	Apr-13	Oct-13
OBO1	ND																
OBO2	ND																
OBO3	ND																
OBO4	ND																
OBO5	ND																
OBO6	ND	ND	ND	33.0	ND												
OBO7	ND																
OBO8	ND																
OBO9	ND																
OBO10	ND																
OBO11	ND																
OBO12	ND																
OBO13	ND																
OBO14	ND																
OBO15	ND																
OBO16	ND																
OBO17	ND																
OBO18A	ND																
OBO19	ND																
OBO20	ND																
OBO21	ND																
OBO22	ND																
OBO23	ND																
OBO24	ND																
OBO25	ND																
OBO26	ND																
OBO27	ND																

FW: Full of Water  
 FR: Frozen  
 NT: Not Tested