



DEPARTMENT OF ENVIRONMENTAL PROTECTION

Isiah Leggett  
*County Executive*

Robert Hoyt  
*Director*

July 3, 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 October 2012 to April 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 April 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 a decrease from seven to two 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 an increase in water table levels of 6.43 ft. compared to measurements obtained in October 2012. 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, two 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 and MW23 with one MCL exceedance each. The VOCs concentrations exceeding the recommended MCLs include:
  - **Tetrachloroethene** concentration exceeded the MCL of 5 ug/l in monitoring wells MW06 at 7.39 ug/l and in MW23 at 5.51 ug/l.
- The previous monitoring periods included seven MCL exceedances for the Fall 2012 and one exceedance for the Spring 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 an increase of 6.43 ft. compared to measurements obtained in October 2012. 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, appearing to read "David Lake". The signature is fluid and cursive, with a long horizontal stroke at the end.

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**

**SPRING 2013**

**Report Period: October 2012 through April 2013**

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

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

**July 3, 2013**

## **TABLE OF CONTENTS**

### **Introduction**

- 1. Volatile Organic Chemical Sampling Results**
- 2. Metals Sampling Results**
- 3. Inorganic Sampling Results and Physical Water Quality Measurements**
- 4. Groundwater Elevations and Flow**
- 5. Methane Monitoring**
- 6. Conclusions**

### **APPENDICES**

**Appendix A Oaks Landfill Aerial Photo and Sample Locations**

**Appendix B Tables of Volatile Organic Compounds**

**Appendix C Volatile Organic Compounds – Trend Analysis**

**Appendix D Tables of Metals**

**Appendix E Table of Groundwater Elevations and Groundwater Elevation Contour Map**

**Appendix F Table of Methane Monitoring Results**

## 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.

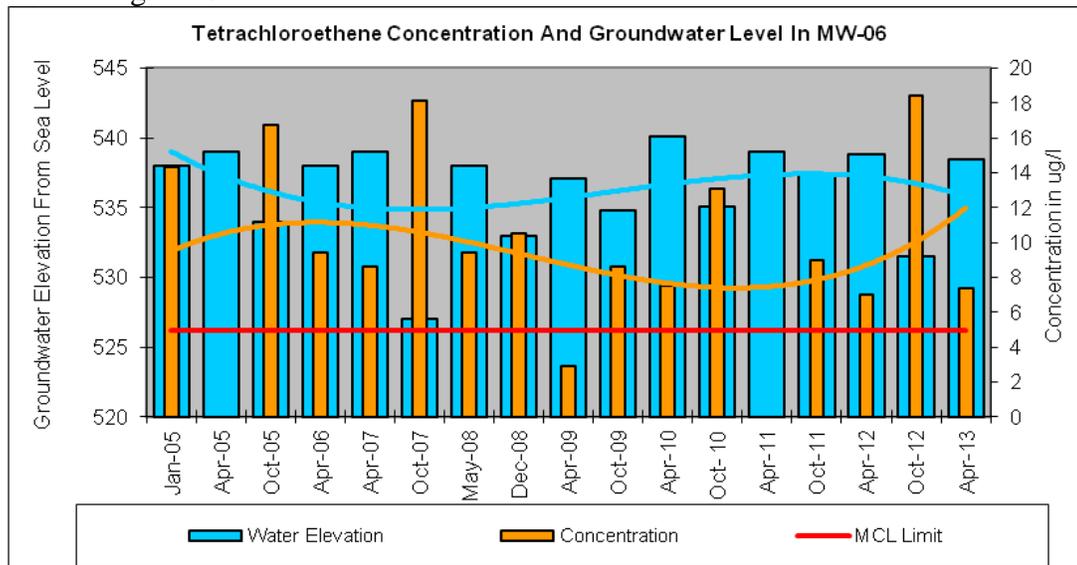
This report is organized into five sections, which discuss the results and observations based on the landfill water quality monitoring program. The five sections include a discussion of:

- 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 (Fall 2012) 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 a decrease from seven to two 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 an increase in water table levels of 6.43 ft. compared to measurements obtained in October 2012. 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, two 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 and MW23 with one MCL exceedance each. The VOCs concentrations exceeding the recommended MCLs include:
  - **Tetrachloroethene** concentration exceeded the MCL of 5 ug/l in monitoring wells MW06 at 7.39 ug/l and in MW23 at 5.51 ug/l.
- The previous monitoring periods included seven MCL exceedances for the Fall 2012 and one exceedance for the Spring 2012. (Note that there are no domestic drinking water wells in the vicinity of this site.)
- Five samples containing Tetrachloroethene concentrations below the MCL of 5 ug/l were detected in monitoring wells MW-02 at 1.86 ug/l, in MW05 at 2.01 ug/l, in MW-7 at 3.06 ug/l, in MW-14 at 1.41 ug/l, and in monitoring MW-22 at 3.55 ug/l.
- Five samples containing cis-1,2-Dichloroethane concentrations below the MCL of 70 ug/l were detected at MW-05 at 1.04 ug/l, in MW-06 at 3.9 ug/l, in MW-07 at 5.07 ug/l, in MW-22 at 1.77, and in MW-23 at 2.73.
- Four samples containing Trichloroethene concentrations below the MCL of 5 ug/l were detected in MW-06 at 2.07 ug/l, in MW07 at 1.61 ug/l, in MW-22 at 1.32 ug/l, and in MW-23 at 1.82 ug/l.
- Six samples containing 1,1-Dichloroethane concentrations were detected in MW-02 at 1.09 ug/l, in MW-06 at 2.45 ug/l, in MW-07 at 5.52, in MW-14 at 1.29 ug/l, in MW-22 at 1.22 ug/l, and in MW-23 at 1.58 ug/l. There are no

MCL established for this compound.

- One sample containing dichloromethane concentration below the MCL of 5 ug/l was detected at MW-06 at 2.14 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 2012 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.

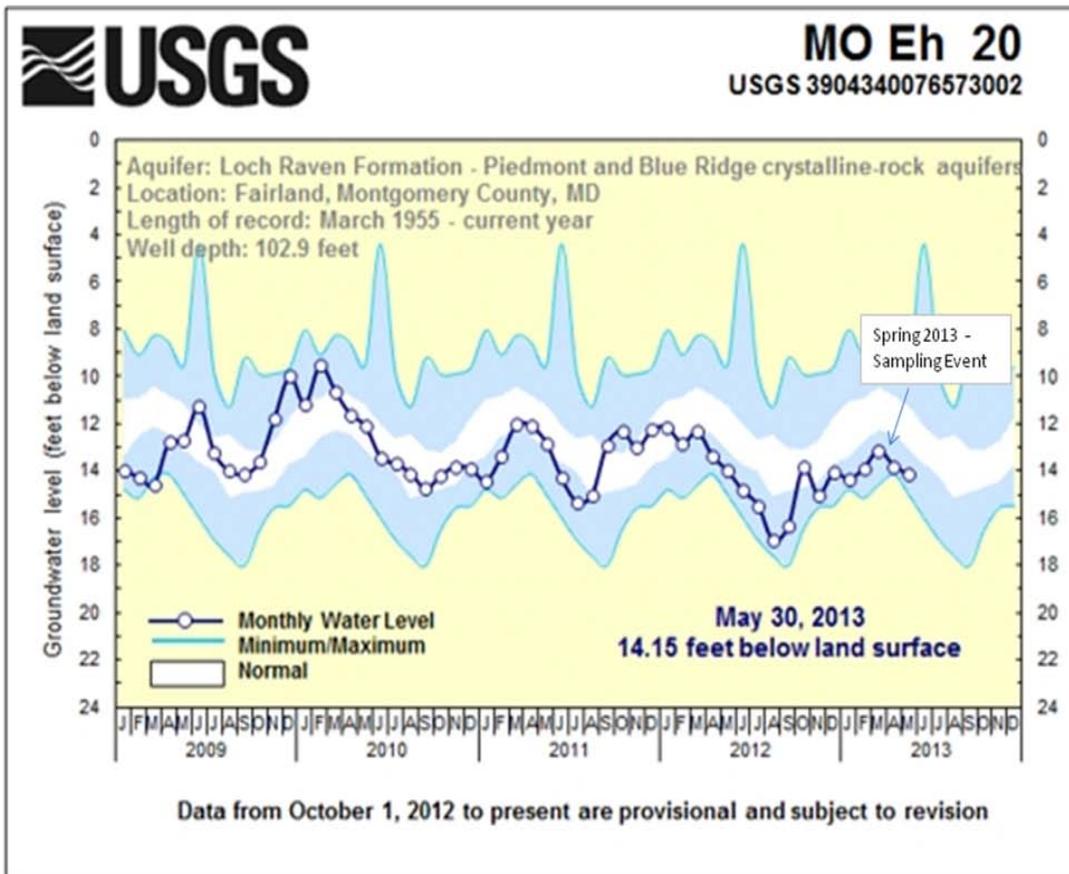
In order to evaluate the groundwater turbidity and its potential interferences to metals analysis, the County collected filtered and unfiltered groundwater samples for each monitoring well. The metals analysis conducted on filtered and unfiltered samples indicate insignificant reductions in concentrations 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 increased by an average of 6.43 ft. compared to measurements obtained in Fall 2012. 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 indicated 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	1.09	ND	ND	ND	2.45
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	1.04	3.9
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	2.14
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	1.86	ND	ND	2.01	7.39
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	ND	ND	2.07
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	5.52	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	5.07	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	3.06	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	1.61	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	1.29	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	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	1.41	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	ND	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-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	1.22	1.58	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	1.77	2.73	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	ND	ND	3.55	5.51	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	1.32	1.82	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	Oct-04	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
MW-01	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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										
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							
MW-01	2-Hexanone	ug/L	ND	NT	NT	NT	1.78	ND	ND	NT	ND	ND	ND	ND	ND							
MW-01	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	2.01	NT	ND	ND	ND	ND	ND						
MW-01	Acetone	ug/L	ND	NT	NT	NT	NT	NT	ND													
MW-01	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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							
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	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	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND						
MW-01	Trichloroethene	ug/L	ND																			
MW-01	Trichlorofluoromethane	ug/L	ND																			
MW-01	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	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	Oct-04	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
MW-02	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	ND	ND	ND	ND	ND	1.42	1.09									
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	ND	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										
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							
MW-02	2-Hexanone	ug/L	ND	NT	NT	NT	2.04	ND	ND	NT	ND	ND	ND	ND	ND							
MW-02	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-02	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-02	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	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							
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							
MW-02	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-02	Methyl Tertiary Butyl Ether	ug/L	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	ND	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
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							
MW-02	Trichloroethene	ug/L	ND	0.64	0.58	ND	1.03	1.03														
MW-02	Trichlorofluoromethane	ug/L	ND																			
MW-02	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-02	Vinyl Chloride	ug/L	ND																			

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 NS: Not Sampled

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

Sample Name	Parameter	Units	Oct-04	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
MW-03	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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										
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							
MW-03	2-Hexanone	ug/L	ND	NT	NT	NT	2.19	ND	ND	NT	ND	ND	ND	ND	ND							
MW-03	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-03	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-03	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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							
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															
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							
MW-03	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-03	Methyl Tertiary Butyl Ether	ug/L	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							
MW-03	Trichloroethene	ug/L	ND	1.28	ND																	
MW-03	Trichlorofluoromethane	ug/L	ND																			
MW-03	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-03	Vinyl Chloride	ug/L	ND																			

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 NT: Not Tested  
 NS: Not Sampled

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

Sample Name	Parameter	Units	Oct-04	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
MW-04	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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										
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	ND	1.03	ND	2.04	ND													
MW-04	2-Butanone	ug/L	ND	1.01	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	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							
MW-04	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-04	Acetone	ug/L	ND	NT	NT	NT	NT	9.1	ND													
MW-04	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-04	Benzene	ug/L	ND	6.7	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							
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							
MW-04	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-04	Methyl Tertiary Butyl Ether	ug/L	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							
MW-04	Trichloroethene	ug/L	ND																			
MW-04	Trichlorofluoromethane	ug/L	ND																			
MW-04	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-04	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	Oct-04	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
MW-05	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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									
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										
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	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND						
MW-05	2-Hexanone	ug/L	ND	NT	NT	NT	NT	2.18	ND	ND	NT	ND	ND	ND	ND	ND						
MW-05	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-05	Acetone	ug/L	ND	NT	NT	NT	NT	NT	10.3	ND												
MW-05	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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	NT	ND	ND	NT	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	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
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	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-05	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-05	Methyl Tertiary Butyl Ether	ug/L	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	ND	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
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	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND						
MW-05	Trichloroethene	ug/L	ND	1.03	ND	ND	1.46	1.02	1.68	ND	ND	2.41	2	1.51	1.27	ND	ND	ND	ND	ND	1.82	ND
MW-05	Trichlorofluoromethane	ug/L	ND																			
MW-05	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	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	Oct-04	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
MW-06	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	ND	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
MW-06	1,1-Dichloroethene	ug/L	ND	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										
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							
MW-06	2-Hexanone	ug/L	ND	NT	NT	NT	2.6	ND	ND	NT	ND	ND	ND	ND	ND							
MW-06	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-06	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-06	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-06	Benzene	ug/L	ND																			
MW-06	Bromochloromethane	ug/L	ND	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							
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	ND	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
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																
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							
MW-06	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-06	Methyl Tertiary Butyl Ether	ug/L	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	ND	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
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							
MW-06	Trichloroethene	ug/L	ND	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
MW-06	Trichlorofluoromethane	ug/L	ND																			
MW-06	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-06	Vinyl Chloride	ug/L	ND	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	Oct-04	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
MW-07	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	ND	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
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										
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							
MW-07	2-Hexanone	ug/L	ND	NT	NT	NT	2.28	ND	ND	NT	ND	ND	ND	ND	ND							
MW-07	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	2.07	NT	ND	ND	ND	ND	ND						
MW-07	Acetone	ug/L	ND	NT	NT	NT	NT	5.62	ND													
MW-07	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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							
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	ND	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
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							
MW-07	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-07	Methyl Tertiary Butyl Ether	ug/L	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	ND	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
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							
MW-07	Trichloroethene	ug/L	ND	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
MW-07	Trichlorofluoromethane	ug/L	ND	0.51	ND																	
MW-07	Vinyl Acetate	ug/L	ND	NT	ND	ND	ND	ND	ND													
MW-07	Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	1.38	ND	0.94	1.3	0.64	0.64	ND	1.32	ND	ND	ND	ND	ND	ND

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

Sample Name	Parameter	Units	Oct-04	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
MW-08	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	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										
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							
MW-08	2-Hexanone	ug/L	ND	NT	NT	NT	2.03	ND	ND	NT	ND	ND	ND	ND	ND							
MW-08	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-08	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-08	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	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							
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							
MW-08	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-08	Methyl Tertiary Butyl Ether	ug/L	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							
MW-08	Trichloroethene	ug/L	ND																			
MW-08	Trichlorofluoromethane	ug/L	ND																			
MW-08	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	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	Oct-04	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
MW-09	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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										
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	ND	1.04	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	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							
MW-09	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-09	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-09	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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							
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														
MW-09	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-09	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-09	Methyl Tertiary Butyl Ether	ug/L	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														
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							
MW-09	Trichloroethene	ug/L	ND																			
MW-09	Trichlorofluoromethane	ug/L	ND																			
MW-09	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	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	Oct-04	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
MW-10	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	ND	1.49	ND														
MW-10	1,2-Dibromoethane	ug/L	ND																			
MW-10	1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	1.55	ND	ND	ND	ND	ND	ND	1.93	NT	ND	NT	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	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							
MW-10	2-Hexanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND							
MW-10	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-10	Acetone	ug/L	ND	NT	NT	NT	NT	8.76	ND													
MW-10	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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							
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							
MW-10	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-10	Methyl Tertiary Butyl Ether	ug/L	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	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							
MW-10	Trichloroethene	ug/L	ND	1.03	ND																	
MW-10	Trichlorofluoromethane	ug/L	ND																			
MW-10	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-10	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	Oct-04	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
MW-11	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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										
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							
MW-11	2-Hexanone	ug/L	ND	NT	NT	NT	1.99	ND	ND	NT	ND	ND	ND	ND	ND							
MW-11	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-11	Acetone	ug/L	ND	NT	NT	NT	NT	9.26	ND													
MW-11	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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							
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							
MW-11	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-11	Methyl Tertiary Butyl Ether	ug/L	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							
MW-11	Trichloroethene	ug/L	ND																			
MW-11	Trichlorofluoromethane	ug/L	ND																			
MW-11	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-11	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	Oct-04	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
MW-12	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	1.13	ND	ND	ND	1.84	NT	ND	NT	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	1.16	ND	ND	ND	2.1	ND													
MW-12	2-Butanone	ug/L	ND	1.24	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	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							
MW-12	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-12	Acetone	ug/L	ND	NT	NT	NT	NT	7.39	ND													
MW-12	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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							
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							
MW-12	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-12	Methyl Tertiary Butyl Ether	ug/L	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	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							
MW-12	Trichloroethene	ug/L	ND																			
MW-12	Trichlorofluoromethane	ug/L	ND																			
MW-12	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-12	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	Oct-04	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
MW-13	1,1,1,2-Tetrachloroethane	ug/L	ND	NS	NS	ND	NT	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										
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							
MW-13	2-Hexanone	ug/L	ND	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND							
MW-13	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND						
MW-13	Acetone	ug/L	ND	NT	NT	NT	NS	NS	ND													
MW-13	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NS	NS	ND	NT	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							
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							
MW-13	Methyl Iodide	ug/L	ND	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND							
MW-13	Methyl Tertiary Butyl Ether	ug/L	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							
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	NT	NT	NT	NT	NS	NS	ND	NT	ND	ND	ND	ND	ND						
MW-13	Vinyl Chloride	ug/L	ND	NS	NS	ND																

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

Sample Name	Parameter	Units	Oct-04	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
MW-14	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	ND	1.16	ND	1.06	ND	ND	ND	ND	ND	1.3	ND	1.29						
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											
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							
MW-14	2-Hexanone	ug/L	ND	NT	NT	NT	1.96	ND	ND	NT	ND	ND	ND	ND	ND							
MW-14	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-14	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-14	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	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							
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							
MW-14	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-14	Methyl Tertiary Butyl Ether	ug/L	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	1.09	ND	ND	0.68	ND	ND	1.17	ND	ND	ND	ND	ND	1.41						
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							
MW-14	Trichloroethene	ug/L	ND																			
MW-14	Trichlorofluoromethane	ug/L	ND																			
MW-14	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	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	Oct-04	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
MW-15	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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										
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	ND	1.14	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	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							
MW-15	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-15	Acetone	ug/L	ND	NT	NT	NT	NT	NT	ND													
MW-15	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	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							
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							
MW-15	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-15	Methyl Tertiary Butyl Ether	ug/L	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							
MW-15	Trichloroethene	ug/L	ND																			
MW-15	Trichlorofluoromethane	ug/L	ND																			
MW-15	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-15	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	Oct-04	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
MW-16	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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										
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	ND	1.09	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND
MW-16	2-Hexanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND							
MW-16	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-16	Acetone	ug/L	ND	NT	NT	NT	NT	4.38	ND													
MW-16	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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							
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							
MW-16	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-16	Methyl Tertiary Butyl Ether	ug/L	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	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							
MW-16	Trichloroethene	ug/L	ND	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
MW-16	Trichlorofluoromethane	ug/L	ND																			
MW-16	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-16	Vinyl Chloride	ug/L	ND																			

ND: Not Detected  
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 NS: Not Sampled

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

Sample Name	Parameter	Units	Oct-04	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
MW-17	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	ND	1.16	1.1	1.1	ND	ND	ND	ND	ND	0.59	1.21	1.05	1.32	ND	ND	ND	ND	ND	1.62	ND
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										
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	ND	1.01	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	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							
MW-17	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-17	Acetone	ug/L	ND	NT	NT	NT	NT	NT	ND													
MW-17	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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							
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							
MW-17	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-17	Methyl Tertiary Butyl Ether	ug/L	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	ND	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
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	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND						
MW-17	Trichloroethene	ug/L	ND	ND	ND	ND	ND	ND	1.43	ND	ND	ND	1.16	ND	1.24	ND						
MW-17	Trichlorofluoromethane	ug/L	ND																			
MW-17	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-17	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	Oct-04	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
MW-18A	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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										
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							
MW-18A	2-Hexanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND							
MW-18A	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-18A	Acetone	ug/L	ND	NT	NT	NT	NT	18.4	ND													
MW-18A	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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							
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							
MW-18A	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-18A	Methyl Tertiary Butyl Ether	ug/L	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							
MW-18A	Trichloroethene	ug/L	ND																			
MW-18A	Trichlorofluoromethane	ug/L	ND																			
MW-18A	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-18A	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	Oct-04	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
MW-19	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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										
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							
MW-19	2-Hexanone	ug/L	ND	NT	NT	NT	2.21	ND	ND	NT	ND	ND	ND	ND	ND							
MW-19	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-19	Acetone	ug/L	ND	NT	NT	NT	NT	12.7	ND													
MW-19	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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							
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							
MW-19	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-19	Methyl Tertiary Butyl Ether	ug/L	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							
MW-19	Trichloroethene	ug/L	ND	2.21	ND																	
MW-19	Trichlorofluoromethane	ug/L	ND																			
MW-19	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-19	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	Oct-04	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
MW-20	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	ND	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										
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	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND						
MW-20	2-Hexanone	ug/L	ND	NT	NT	NT	NT	2.47	ND	ND	NT	ND	ND	ND	ND	ND						
MW-20	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-20	Acetone	ug/L	ND	NT	NT	NT	NT	6.53	ND													
MW-20	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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	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	NT	ND	ND	ND	NT	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	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-20	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	Oct-04	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
MW-21	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	NS	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND						
MW-21	1,1,1-Trichloroethane	ug/L	ND	NT	NS	ND																
MW-21	1,1,2,2-Tetrachloroethane	ug/L	ND	NT	NS	ND	ND	1.61	ND													
MW-21	1,1,2-Trichloroethane	ug/L	ND	NT	NS	ND																
MW-21	1,1-Dichloroethane	ug/L	ND	NT	NS	ND																
MW-21	1,1-Dichloroethene	ug/L	ND	NT	NS	ND																
MW-21	1,2,3-Trichloropropane	ug/L	ND	NT	NS	ND	ND	ND	NT	ND												
MW-21	1,2-Dibromo-3-chloropropane	ug/L	ND	NT	NS	ND																
MW-21	1,2-Dibromoethane	ug/L	ND	NT	NS	ND																
MW-21	1,2-Dichlorobenzene	ug/L	ND	NT	NS	ND	ND	1.75	NT	ND	NT	ND	ND	ND	ND	ND						
MW-21	1,2-Dichloroethane	ug/L	ND	NT	NS	ND																
MW-21	1,2-Dichloropropane	ug/L	ND	NT	NS	ND																
MW-21	1,4-Dichlorobenzene	ug/L	ND	NT	NS	ND	ND	1.85	ND													
MW-21	2-Butanone	ug/L	ND	1.2	ND	ND	ND	ND	ND	NT	NS	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND
MW-21	2-Hexanone	ug/L	ND	NT	NS	NT	NT	2.12	ND	ND	NT	ND	ND	ND	ND	ND						
MW-21	4-Methyl-2-pentanone	ug/L	ND	NT	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-21	Acetone	ug/L	ND	NT	NS	NT	NT	NT	ND													
MW-21	Acrylonitrile	ug/L	ND	NT	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-21	Benzene	ug/L	ND	NT	NS	ND																
MW-21	Bromochloromethane	ug/L	ND	NT	NS	ND	ND	ND	NT	ND												
MW-21	Bromodichloromethane	ug/L	ND	NT	NS	ND																
MW-21	Bromoform	ug/L	ND	NT	NS	ND	ND	1.02	ND													
MW-21	Bromomethane	ug/L	ND	NT	NS	0.53	ND															
MW-21	Carbon disulfide	ug/L	ND	NT	NS	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND						
MW-21	Carbon Tetrachloride	ug/L	ND	NT	NS	ND																
MW-21	Chlorobenzene	ug/L	ND	NT	NS	ND																
MW-21	Chloroethane	ug/L	ND	NT	NS	ND																
MW-21	Chloroform	ug/L	ND	NT	NS	ND																
MW-21	cis-1,2-Dichloroethene	ug/L	ND	NT	NS	ND																
MW-21	cis-1,3-Dichloropropene	ug/L	ND	NT	NS	ND																
MW-21	Dibromochloromethane	ug/L	ND	NT	NS	ND																
MW-21	Dibromomethane	ug/L	ND	NT	NS	ND																
MW-21	Ethylbenzene	ug/L	ND	NT	NS	ND																
MW-21	Methylene Chloride	ug/L	ND	NT	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-21	Methyl Iodide	ug/L	ND	NT	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-21	Methyl Tertiary Butyl Ether	ug/L	ND	NT	NS	ND	ND	NT	ND													
MW-21	ortho-Xylene	ug/L	ND	NT	NS	ND																
MW-21	para-Xylene & meta-Xylene	ug/L	ND	NT	NS	ND																
MW-21	Styrene	ug/L	ND	NT	NS	ND																
MW-21	Tetrachloroethene	ug/L	ND	NT	NS	ND																
MW-21	Toluene	ug/L	ND	NT	NS	ND																
MW-21	trans-1,2-Dichloroethene	ug/L	ND	NT	NS	ND																
MW-21	trans-1,3-Dichloropropene	ug/L	ND	NT	NS	ND																
MW-21	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NS	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND						
MW-21	Trichloroethene	ug/L	ND	NT	NS	ND																
MW-21	Trichlorofluoromethane	ug/L	ND	NT	NS	ND	0.63	ND														
MW-21	Vinyl Acetate	ug/L	ND	NT	NS	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-21	Vinyl Chloride	ug/L	ND	NT	NS	ND																

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

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

Sample Name	Parameter	Units	Oct-04	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
MW-22	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	ND	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
MW-22	1,1-Dichloroethene	ug/L	ND																			
MW-22	1,2,3-Trichloropropane	ug/L	ND	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										
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	ND	2.06	ND													
MW-22	2-Butanone	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	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							
MW-22	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-22	Acetone	ug/L	ND	NT	NT	NT	NT	7.72	ND													
MW-22	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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							
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	ND	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
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							
MW-22	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-22	Methyl Tertiary Butyl Ether	ug/L	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	ND	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
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							
MW-22	Trichloroethene	ug/L	ND	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
MW-22	Trichlorofluoromethane	ug/L	ND																			
MW-22	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	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	Oct-04	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
MW-23	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	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
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										
MW-23	1,2-Dichloroethane	ug/L	ND	34.1	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	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND							
MW-23	2-Hexanone	ug/L	ND	NT	NT	NT	2.12	ND	ND	NT	ND	ND	ND	ND	ND							
MW-23	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-23	Acetone	ug/L	ND	NT	NT	NT	NT	NT	ND													
MW-23	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	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	NT	NT	NT	ND	ND	ND	NT	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	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
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	NT	NT	NT	NT	ND	ND	NT	ND	3.9	ND	18.5	ND							
MW-23	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-23	Methyl Tertiary Butyl Ether	ug/L	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	ND	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
MW-23	Toluene	ug/L	ND																			
MW-23	trans-1,2-Dichloroethene	ug/L	ND	1.4	ND	ND	ND															
MW-23	trans-1,3-Dichloropropene	ug/L	ND																			
MW-23	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND							
MW-23	Trichloroethene	ug/L	ND	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
MW-23	Trichlorofluoromethane	ug/L	ND																			
MW-23	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-23	Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	2.68	ND	ND	0.91	1.02	ND	1.71	ND						

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

Sample Name	Parameter	Units	Oct-04	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
MW-24	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	ND	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										
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	ND	1.16	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	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							
MW-24	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	1.91	NT	ND	ND	ND	ND	ND						
MW-24	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-24	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	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							
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								
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							
MW-24	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-24	Methyl Tertiary Butyl Ether	ug/L	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	ND	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
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							
MW-24	Trichloroethene	ug/L	ND	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	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-24	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	Oct-04	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
MW-25	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND						
MW-25	1,1,1-Trichloroethane	ug/L	ND	NT	ND																	
MW-25	1,1,2,2-Tetrachloroethane	ug/L	ND	NT	ND	ND	ND	1.54	ND													
MW-25	1,1,2-Trichloroethane	ug/L	ND	NT	ND																	
MW-25	1,1-Dichloroethane	ug/L	ND	ND	ND	ND	1.51	ND	ND	NT	ND											
MW-25	1,1-Dichloroethene	ug/L	ND	NT	ND																	
MW-25	1,2,3-Trichloropropane	ug/L	ND	ND	ND	ND	8.54	ND	ND	NT	ND	ND	ND	ND	NT	ND						
MW-25	1,2-Dibromo-3-chloropropane	ug/L	ND	NT	ND																	
MW-25	1,2-Dibromoethane	ug/L	ND	NT	ND																	
MW-25	1,2-Dichlorobenzene	ug/L	ND	NT	ND	ND	ND	1.92	NT	ND	NT	ND	ND	ND	ND	ND						
MW-25	1,2-Dichloroethane	ug/L	ND	NT	ND																	
MW-25	1,2-Dichloropropane	ug/L	ND	NT	ND																	
MW-25	1,4-Dichlorobenzene	ug/L	ND	NT	ND	ND	ND	1.92	ND													
MW-25	2-Butanone	ug/L	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND						
MW-25	2-Hexanone	ug/L	ND	NT	NT	NT	NT	1.97	ND	ND	NT	ND	ND	ND	ND	ND						
MW-25	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-25	Acetone	ug/L	ND	NT	NT	NT	NT	NT	ND													
MW-25	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-25	Benzene	ug/L	ND	NT	ND																	
MW-25	Bromochloromethane	ug/L	ND	NT	ND	ND	ND	ND	NT	ND												
MW-25	Bromodichloromethane	ug/L	ND	NT	ND																	
MW-25	Bromoform	ug/L	ND	NT	ND																	
MW-25	Bromomethane	ug/L	ND	NT	ND																	
MW-25	Carbon disulfide	ug/L	ND	NT	ND	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND						
MW-25	Carbon Tetrachloride	ug/L	ND	NT	ND																	
MW-25	Chlorobenzene	ug/L	ND	NT	ND																	
MW-25	Chloroethane	ug/L	ND	NT	ND																	
MW-25	Chloroform	ug/L	ND	NT	ND																	
MW-25	cis-1,2-Dichloroethene	ug/L	ND	NT	ND																	
MW-25	cis-1,3-Dichloropropene	ug/L	ND	NT	ND																	
MW-25	Dibromochloromethane	ug/L	ND	NT	ND																	
MW-25	Dibromomethane	ug/L	ND	NT	ND																	
MW-25	Ethylbenzene	ug/L	ND	NT	ND																	
MW-25	Methylene Chloride	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-25	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-25	Methyl Tertiary Butyl Ether	ug/L	ND	NT	ND	ND	ND	NT	ND													
MW-25	ortho-Xylene	ug/L	ND	NT	ND																	
MW-25	para-Xylene & meta-Xylene	ug/L	ND	NT	ND																	
MW-25	Styrene	ug/L	ND	NT	ND																	
MW-25	Tetrachloroethene	ug/L	ND	ND	ND	ND	2.01	1.14	ND	NT	ND											
MW-25	Toluene	ug/L	ND	NT	ND																	
MW-25	trans-1,2-Dichloroethene	ug/L	ND	NT	ND																	
MW-25	trans-1,3-Dichloropropene	ug/L	ND	NT	ND																	
MW-25	trans-1,4-Dichloro-2-buten	ug/L	ND	NT	NT	NT	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND						
MW-25	Trichloroethene	ug/L	ND	ND	ND	ND	2.54	ND	ND	NT	ND											
MW-25	Trichlorofluoromethane	ug/L	ND	ND	ND	ND	1.13	ND	ND	NT	ND											
MW-25	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-25	Vinyl Chloride	ug/L	ND	NT	ND																	

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

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

Sample Name	Parameter	Units	Oct-04	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
MW-26	1,1,1,2-Tetrachloroethane	ug/L	ND	NS	ND	NT	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										
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							
MW-26	2-Hexanone	ug/L	ND	NT	NT	NT	1.85	NS	ND	NT	ND	ND	ND	ND	ND							
MW-26	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	NS	ND	NT	ND	ND	ND	ND	ND						
MW-26	Acetone	ug/L	ND	NT	NT	NT	NT	NS	ND													
MW-26	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	NS	ND	NT	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	NS	ND														
MW-26	Carbon disulfide	ug/L	ND	NT	NT	NT	NT	NS	ND	NT	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							
MW-26	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	NS	ND	NT	ND	ND	ND	ND	ND							
MW-26	Methyl Tertiary Butyl Ether	ug/L	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							
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	NT	NT	NT	NT	NT	NS	ND	NT	ND	ND	ND	ND	ND						
MW-26	Vinyl Chloride	ug/L	ND	0.52	ND	ND	ND	NS	ND													

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

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

Sample Name	Parameter	Units	Oct-04	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
MW-27	1,1,1,2-Tetrachloroethane	ug/L	ND	NT	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	ND	1.22	ND															
MW-27	1,2-Dibromoethane	ug/L	ND																			
MW-27	1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.78	NT	ND	NT	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	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							
MW-27	2-Hexanone	ug/L	ND	NT	NT	NT	2.12	ND	ND	NT	ND	ND	ND	ND	ND							
MW-27	4-Methyl-2-pentanone	ug/L	ND	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
MW-27	Acetone	ug/L	ND	NT	NT	NT	NT	ND														
MW-27	Acrylonitrile	ug/L	ND	NT	NT	NT	NT	NT	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							
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							
MW-27	Methyl Iodide	ug/L	ND	NT	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
MW-27	Methyl Tertiary Butyl Ether	ug/L	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	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							
MW-27	Trichloroethene	ug/L	ND	2.16	ND																	
MW-27	Trichlorofluoromethane	ug/L	ND																			
MW-27	Vinyl Acetate	ug/L	ND	NT	NT	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
MW-27	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	Oct-04	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
SW-20	1,1,1,2-Tetrachloroethane	ug/L	ND	NS	ND	ND	ND	ND	ND	NT	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	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							
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	ND	4.22	ND	ND	ND	NS	NT	NT	ND	ND	ND	NT	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							
SW-20	4-Methyl-2-pentanone	ug/L	ND	NT	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
SW-20	Acetone	ug/L	ND	NS	NT	NT	NT	ND														
SW-20	Acrylonitrile	ug/L	ND	NT	NS	NT	NT	NT	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							
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							
SW-20	Methyl Iodide	ug/L	ND	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
SW-20	Methyl Tertiary Butyl Ether	ug/L	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							
SW-20	Trichloroethene	ug/L	ND	NS	ND																	
SW-20	Trichlorofluoromethane	ug/L	ND	NS	ND																	
SW-20	Vinyl Acetate	ug/L	ND	NT	NS	NT	NT	NT	NT	ND	NT	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	Oct-04	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
SW-30	1,1,1,2-Tetrachloroethane	ug/L	ND	NS	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND							
SW-30	1,1,1-Trichloroethane	ug/L	ND	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							
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							
SW-30	2-Hexanone	ug/L	ND	NS	NT	NT	9.49	ND	ND	NT	ND	ND	ND	ND	ND							
SW-30	4-Methyl-2-pentanone	ug/L	ND	NT	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND						
SW-30	Acetone	ug/L	ND	NS	NT	NT	NT	ND														
SW-30	Acrylonitrile	ug/L	ND	NT	NS	NT	NT	NT	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							
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							
SW-30	Methyl Iodide	ug/L	ND	NS	NT	NT	NT	ND	ND	NT	ND	ND	ND	ND	ND							
SW-30	Methyl Tertiary Butyl Ether	ug/L	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							
SW-30	Trichloroethene	ug/L	ND	NS	ND																	
SW-30	Trichlorofluoromethane	ug/L	ND	NS	ND																	
SW-30	Vinyl Acetate	ug/L	ND	NT	NS	NT	NT	NT	NT	ND	NT	ND	ND	ND	ND	ND						
SW-30	Vinyl Chloride	ug/L	ND	NS	ND																	

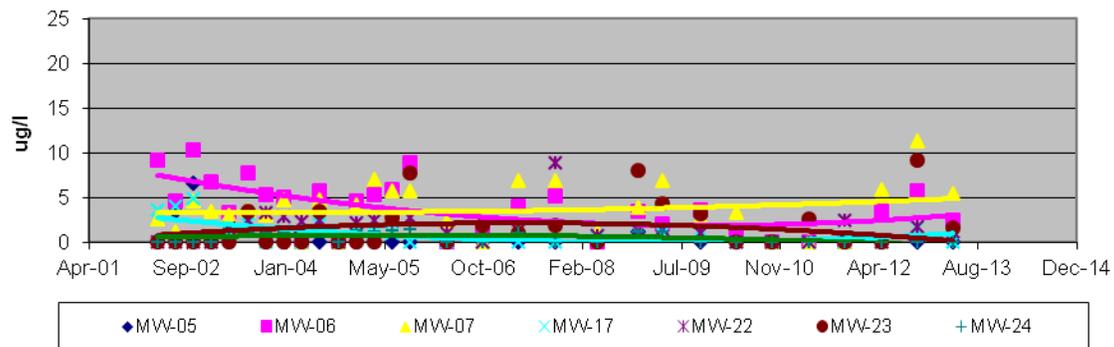
ND: Not Detected  
 NT: Not Tested  
 NS: Not Sampled

# **Appendix C**

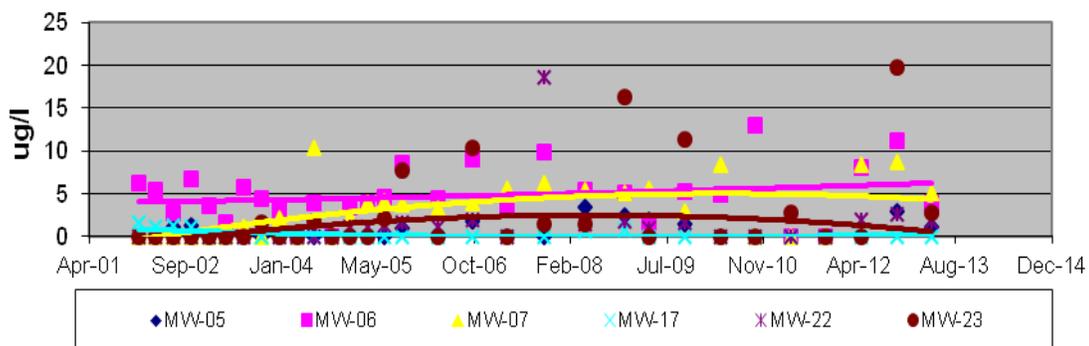
## **Volatile Organic Compounds**

### **Trend Analysis**

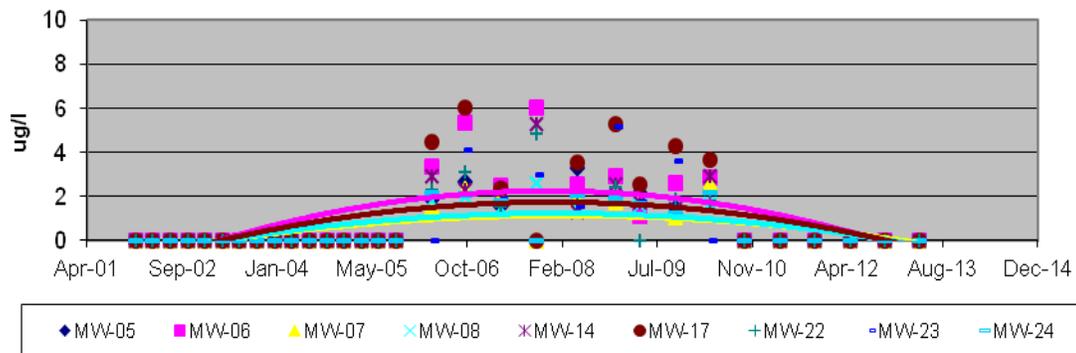
**1,1-Dichloroethane Concentration Trends at Oaks Landfill**



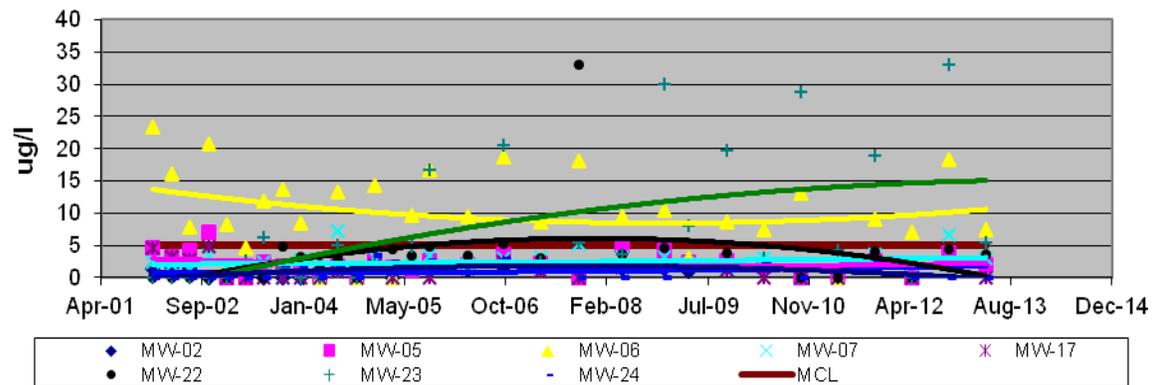
**cis-1,2-Dichloroethene Concentration Trends at Oaks Landfill**

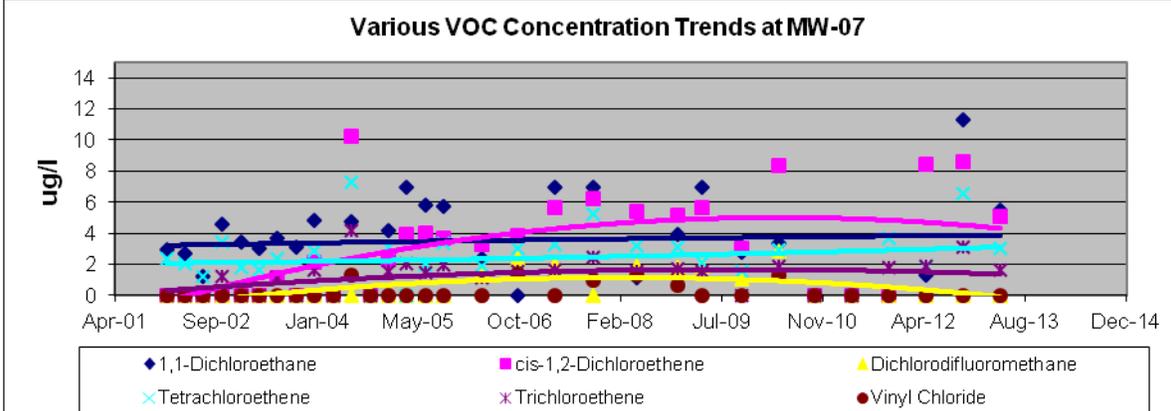
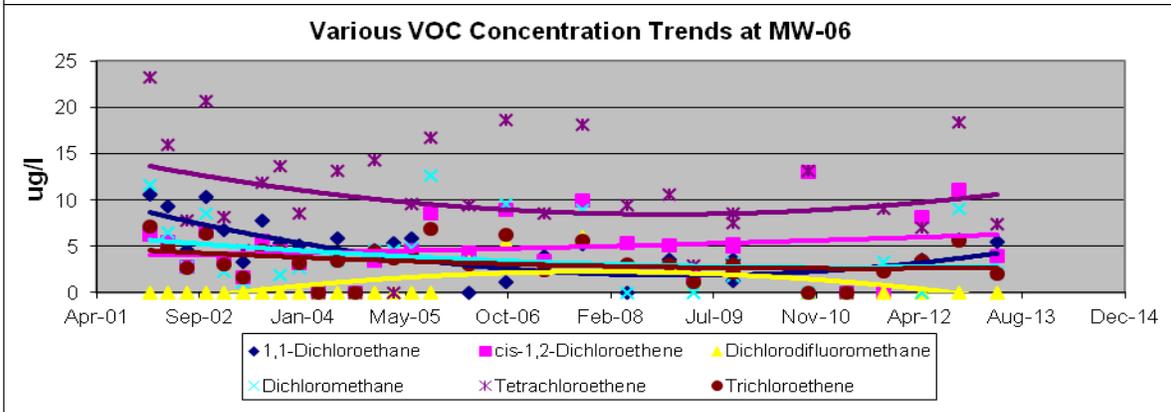
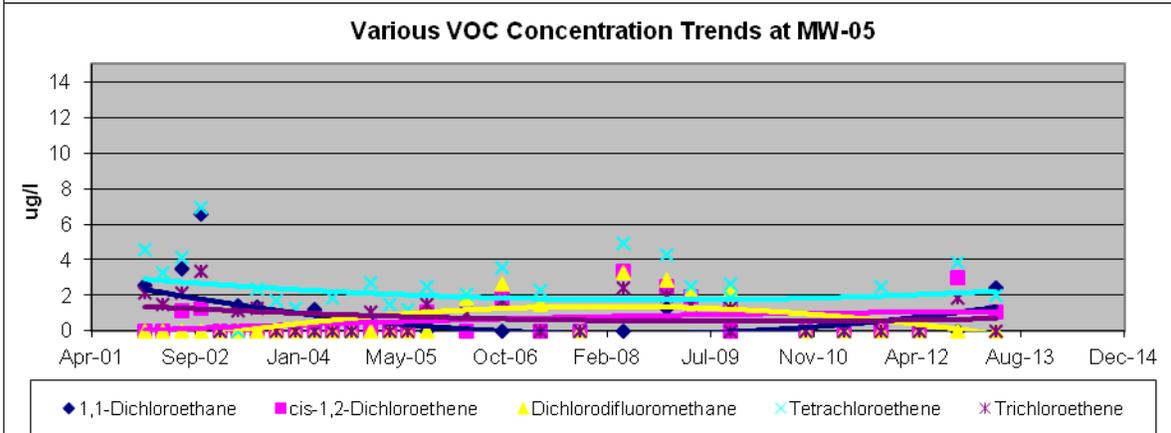
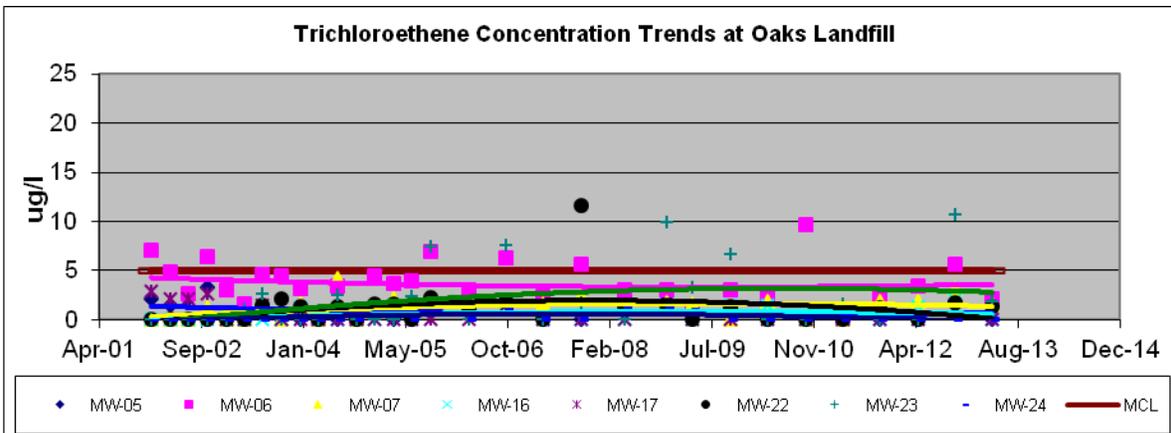


**Dichlorodifluoromethane Concentration Trends at Oaks Landfill**

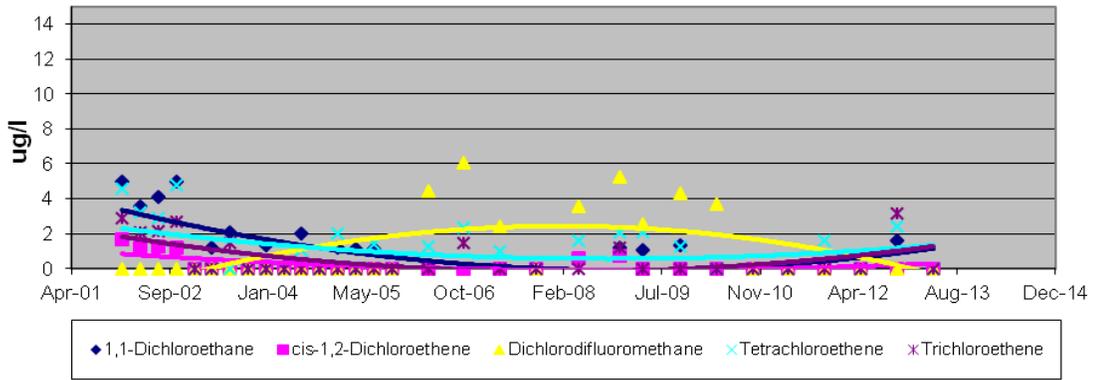


**Tetrachloroethene Concentration Trends at Oaks Landfill**

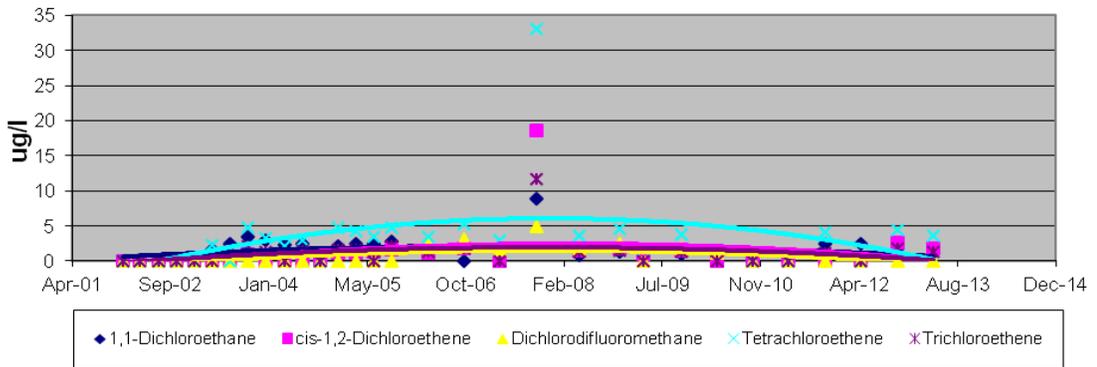




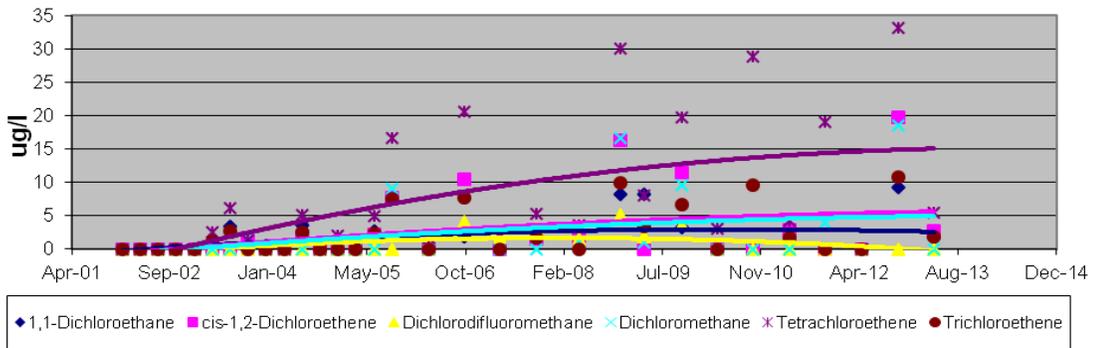
**Various VOC Concentration Trends at MW-17**



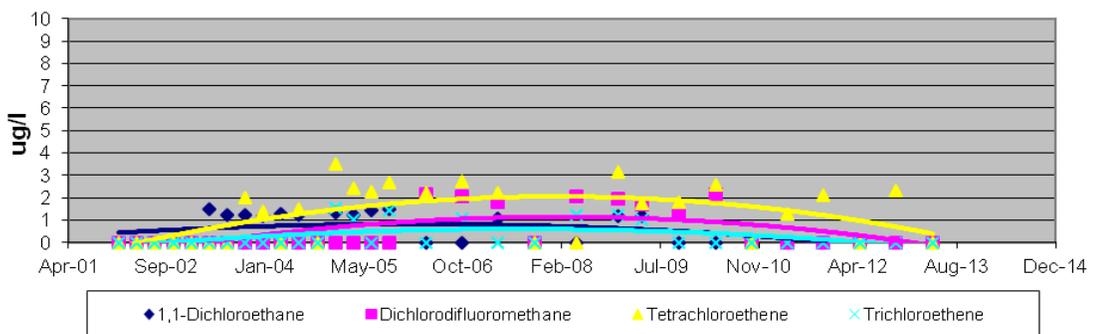
**Various VOC Concentration Trends at MW-22**



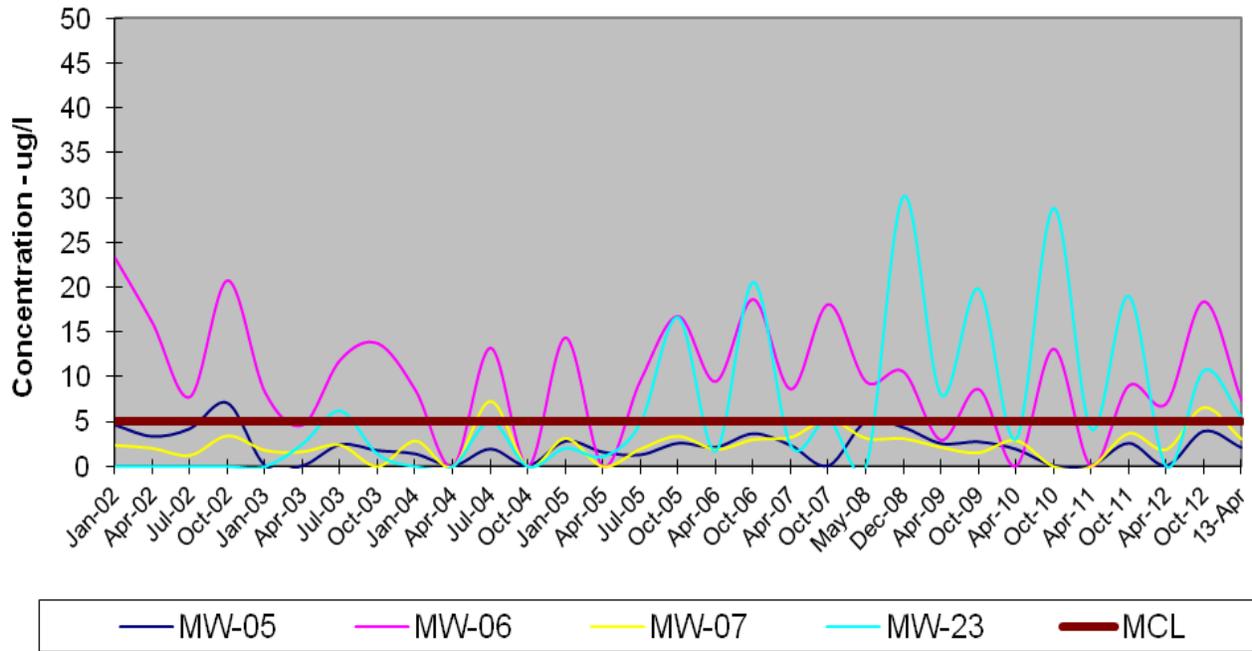
**Various VOC Concentration Trends at MW-23**



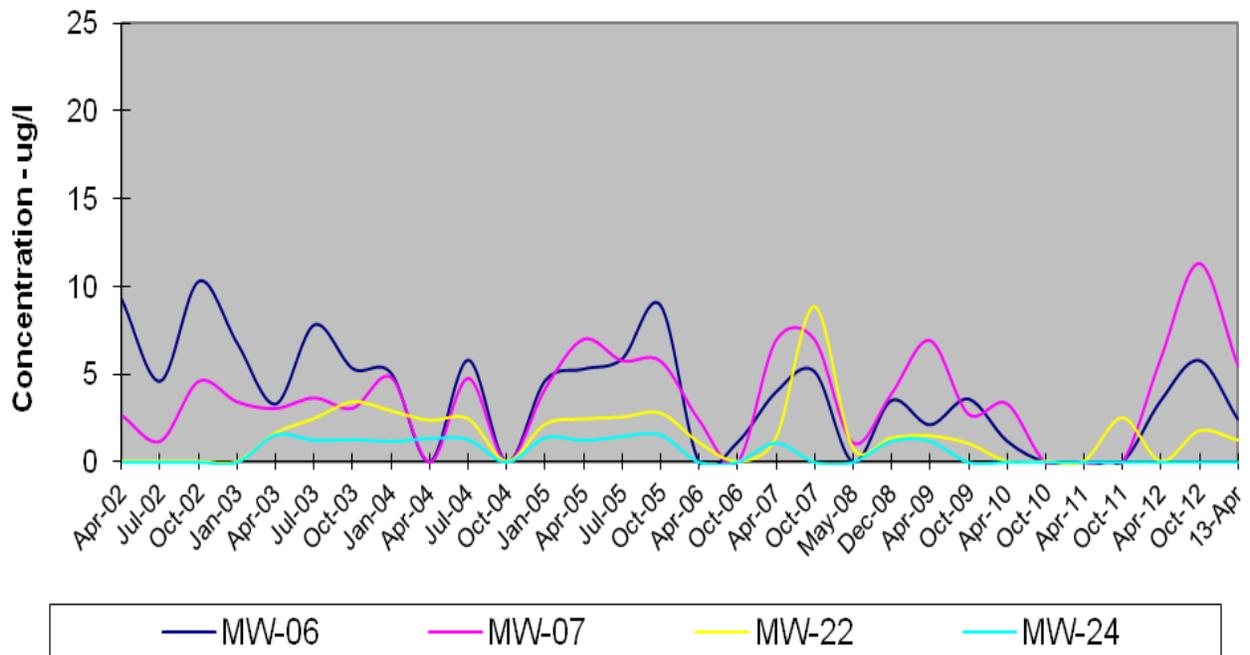
**Various VOC Concentration Trends at MW-24**



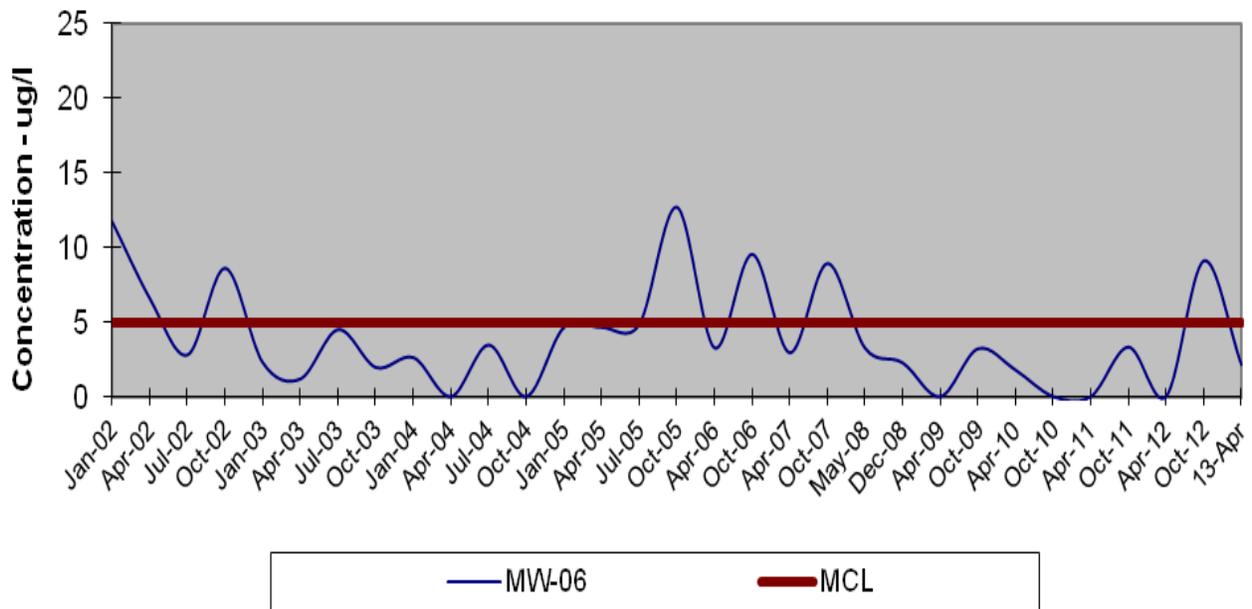
### Tetrachloroethene Concentration Trend at Oaks Landfill



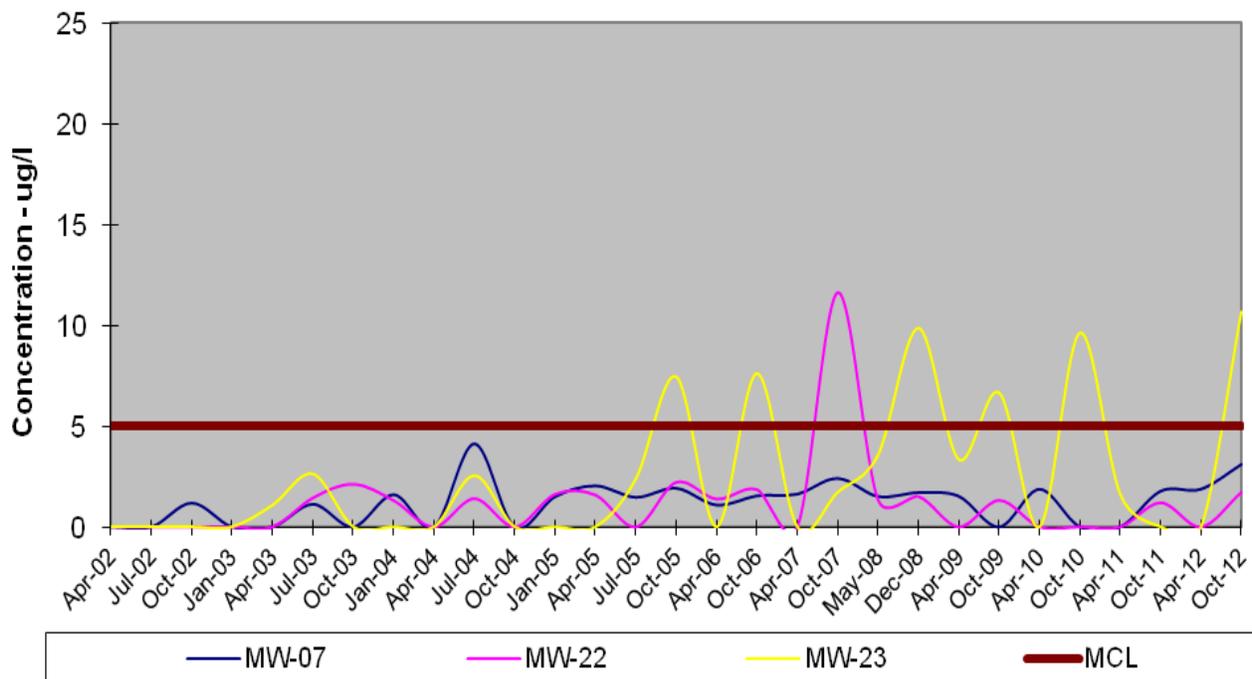
### 1,1-Dichloroethane Concentration Trend at Oaks Landfill



### 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		30	34	11	15	21	59	36	32	61	21
Ammonia		mg/L as N		ND									
Antimony		mg/L		ND									
Arsenic	0.005	mg/L	0.01	ND									
Barium	0.005	mg/L	2	0.0153	0.014	0.02	0.0428	0.0188	0.0631	0.0241	0.0361	0.0224	0.0088
Beryllium	0.005	mg/L	0.004	ND									
Cadmium	0.005	mg/L	0.005	ND									
Chloride		mg/L		9.49	4.89	38.6	11.1	4.62	11.8	19.1	6.89	4.4	4.65
Chromium	0.005	mg/L	0.1	ND									
Cobalt	0.005	mg/L		ND									
COD		mg/L		ND									
Copper	0.005	mg/L	1.3	0.0076	0.01	0.0162	0.0189	0.0078	0.0132	0.0058	0.0168	0.022	0.0103
Hardness		mg/L		36	42	56	60	36	116	48	36	66	18
Iron	0.5	mg/L		ND	0.683	1.26	0.343	0.225	ND	ND	ND	1.32	ND
Lead	0.005	mg/L	0.015	ND									
Manganese		mg/L		ND	0.0276	0.0463	0.0206	0.0129	0.282	0.0107	0.0134	0.223	ND
Mercury	0.0002	mg/L	0.002	ND	ND	ND	ND	ND	0.0004	ND	ND	ND	ND
Nickel	0.005	mg/L		ND	ND	0.0095	0.0063	ND	0.0114	ND	0.0083	ND	ND
Nitrate		mg/L as N	10	2.67	3.2	4.85	3.6	1.19	4.49	1.39	1.19	0.312	1.02
Selenium	0.005	mg/L	0.05	ND									
Silver	0.005	mg/L		ND									
TDS		mg/L		80	80	148	100	52	180	108	92	104	32
Thallium	0.005	mg/L	0.002	ND									
Vanadium	0.005	mg/L		ND									
Zinc	0.005	mg/L		0.0125	0.0094	0.0219	0.0289	0.0093	0.0308	0.0117	0.0254	0.0093	0.0085

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	32	20	187	24	57	6	3.8	4.6	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	0.0416	0.0089	0.0147	0.0388	0.113	0.0411	0.0387	0.0257	0.0442	0.0264
Beryllium	0.005	mg/L	0.004	ND	ND	ND							
Cadmium	0.005	mg/L	0.005	ND	ND	ND							
Chloride		mg/L		8.34	ND	6.98	6.51	21.3	12.5	5.73	3.14	10.5	3.28
Chromium	0.005	mg/L	0.1	ND	ND	ND							
Cobalt	0.005	mg/L		ND	ND	ND							
COD		mg/L		10	ND	ND	ND						
Copper	0.005	mg/L	1.3	0.0262	ND	ND	0.0054	0.0096	0.0091	0.0138	0.00559	0.0092	0.00534
Hardness		mg/L		36	28	26	218	48	108	36	12	20	30
Iron	0.5	mg/L		2.06	ND	ND	0.686	ND	ND	ND	ND	ND	ND
Lead	0.005	mg/L	0.015	ND	ND	ND							
Manganese		mg/L		0.0986	ND	0.0077	0.0158	0.0142	0.0388	0.0143	0.0122	0.0248	ND
Mercury	0.0002	mg/L	0.002	ND	ND	ND							
Nickel	0.005	mg/L		0.0093	ND	ND	ND	ND	0.0074	0.0066	ND	0.0052	ND
Nitrate		mg/L as N	10	3.57	0.226	1.16	2.94	2.23	3.34	4.6	2.54	3.06	2.1
Selenium	0.005	mg/L	0.05	ND	ND	ND							
Silver	0.005	mg/L		ND	ND	ND							
TDS		mg/L		88	64	60	248	110	146	50	14	60	48
Thallium	0.005	mg/L	0.002	ND	ND	ND							
Vanadium	0.005	mg/L		ND	ND	ND							
Zinc	0.005	mg/L		0.037	0.0065	0.0068	0.0064	0.02	0.0277	0.0335	0.00989	0.0205	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	32	13.4	28	5.5	12.1	4.9	72	111
Ammonia		mg/L as N		ND	0.231							
Antimony		mg/L		ND								
Arsenic	0.005	mg/L	0.01	ND								
Barium	0.005	mg/L	2	0.0217	0.0497	0.0275	0.0293	0.0815	0.0314	0.0448	0.0166	0.0304
Beryllium	0.005	mg/L	0.004	ND								
Cadmium	0.005	mg/L	0.005	ND								
Chloride		mg/L		23.8	9.18	8.41	14.6	73.7	42.9	40.9	5.58	5.09
Chromium	0.005	mg/L	0.1	ND								
Cobalt	0.005	mg/L		ND								
COD		mg/L		ND	18.2	30.8						
Copper	0.005	mg/L	1.3	0.0065	0.0073	0.0113	0.0085	0.0134	0.0129	0.0163	ND	0.0058
Hardness		mg/L		64	60	20	62	86	60	32	76	110
Iron	0.5	mg/L		0.204	ND	ND	ND	0.254	0.87	ND	1.07	2.77
Lead	0.005	mg/L	0.015	ND								
Manganese		mg/L		0.0326	0.0123	0.0454	0.0413	0.017	0.0155	0.0273	0.272	0.404
Mercury	0.0002	mg/L	0.002	ND								
Nickel	0.005	mg/L		ND	0.0055	ND	ND	0.0092	0.0051	ND	ND	ND
Nitrate		mg/L as N	10	2.03	2.69	1.98	3.1	3.75	2.41	1.83	ND	ND
Selenium	0.005	mg/L	0.05	ND								
Silver	0.005	mg/L		ND								
TDS		mg/L		140	92	66	88	200	136	102	102	146
Thallium	0.005	mg/L	0.002	ND								
Vanadium	0.005	mg/L		ND								
Zinc	0.005	mg/L		0.0083	0.02	0.0178	0.0131	0.0283	0.0189	0.0208	0.0072	0.0094

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

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

Sample	Parameter	Units	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
MW-01	Alkalinity	mg/L	NS	NS	32	34	32	26	NT	NT	NT	NT	NT	30	32	30	31	24	30
MW-01	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-01	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-01	Arsenic	mg/L	ND	ND	ND	ND													
MW-01	Barium	mg/L	ND	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
MW-01	Beryllium	mg/L	ND	ND	ND	ND													
MW-01	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-01	Cadmium	mg/L	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND						
MW-01	Chloride	mg/L	ND	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
MW-01	Chromium	mg/L	ND	ND	ND	ND													
MW-01	Cobalt	mg/L	ND	ND	ND	ND													
MW-01	Copper	mg/L	ND	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
MW-01	Iron	mg/L	ND	ND	ND	ND	0.3752	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-01	Lead	mg/L	ND	ND	ND	ND													
MW-01	Manganese	mg/L	ND	ND	ND	ND	0.0023	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-01	Mercury	mg/L	ND	ND	ND	ND													
MW-01	Nickel	mg/L	ND	ND	ND	ND													
MW-01	Nitrate	mg/L as N	ND	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
MW-01	Selenium	mg/L	ND	ND	ND	ND													
MW-01	Silver	mg/L	ND	ND	ND	ND													
MW-01	Sulfate	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-01	T.D.S.	mg/L	NS	NS	4	NS		100	NT	NT	NT	NT	36	132		72	84	112	80
MW-01	Thallium	mg/L	ND	ND	ND	ND	84	ND	ND	ND	ND								
MW-01	Total Hardness	mg/L	NS	NS	38	38	48	NT	NT	NT	NT	NT	ND	37		40	38	40	36
MW-01	Turbidity	NTU	ND	ND	0.21	0.8	0.16	NT	NT	NT	NT	NT	ND	0.468	NT	NT	NT	NT	0
MW-01	Vanadium	mg/L	ND	ND	ND	ND													
MW-01	Zinc	mg/L	ND	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

MW-02	Alkalinity	mg/L	NS	NS	38	40	40	44	NT	NT	NT	NT	NT	35	32	34	41	41	34
MW-02	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-02	Antimony	mg/L	ND	0.0069	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Barium	mg/L	ND	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
MW-02	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	6.8	ND	ND	ND	ND	ND
MW-02	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	0.0002	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-02	Chloride	mg/L	ND	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
MW-02	Chromium	mg/L	ND	0.0043	ND	ND	ND	ND	ND	ND	0.0027	0.0023	ND	ND	ND	ND	ND	ND	ND
MW-02	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Copper	mg/L	ND	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
MW-02	Iron	mg/L	ND	ND	ND	0.7837	ND	1.06	NT	NT	NT	NT	0.628	ND	ND	ND	0.445	ND	0.683
MW-02	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Manganese	mg/L	ND	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
MW-02	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Nickel	mg/L	ND	0.0033	0.0022	0.0024	ND	0.0038	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Nitrate	mg/L as N	ND	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
MW-02	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Sulfate	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	6.87	ND	ND	ND	ND	ND	ND
MW-02	T.D.S.	mg/L	NS	NS	92	332		116	NT	NT	NT	NT	52	112		92	92	132	80
MW-02	Thallium	mg/L	ND	ND	ND	ND	84	ND	ND	ND	ND	ND							
MW-02	Total Hardness	mg/L	NS	NS	44	46	46	NT	NT	NT	NT	NT	ND	38		41	42	46	42
MW-02	Turbidity	NTU	ND	ND	3.8	26.1	0.49	NT	NT	NT	NT	NT	ND	21.4	NT	NT	NT	NT	80.8
MW-02	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-02	Zinc	mg/L	ND	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

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

Sample	Parameter	Units	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
MW-03	Alkalinity	mg/L	NS	NS	12	16	16	14	NT	NT	NT	NT	NT	10	18	17	15	13	11
MW-03	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-03	Antimony	mg/L	ND	ND	ND	ND	ND	ND	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	ND	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
MW-03	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-03	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	8.3	ND	ND	ND	ND
MW-03	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-03	Chloride	mg/L	ND	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
MW-03	Chromium	mg/L	ND	ND	ND	ND	ND	ND	0.0024	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	ND	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
MW-03	Iron	mg/L	ND	ND	ND	1.3596	0.5755	ND	NT	NT	NT	NT	0.583	ND	4.36	1.83	1.76	0.244	1.26
MW-03	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0081	ND	ND	ND	ND
MW-03	Manganese	mg/L	ND	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
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	ND	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
MW-03	Nitrate	mg/L as N	ND	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
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	ND	NT	NT	NT	NT	2.3	ND	ND	ND	ND	ND	ND
MW-03	T.D.S.	mg/L	NS	NS	56	408	ND	72	NT	NT	NT	NT	88	180		132	136	152	148
MW-03	Thallium	mg/L	ND	ND	ND	ND	80	ND	ND	ND	ND	ND	ND						
MW-03	Total Hardness	mg/L	NS	NS	28	34	36	NT	NT	NT	NT	NT	ND	42		50	56	54	56
MW-03	Turbidity	NTU	ND	ND	3.52	25.9	1.18	NT	NT	NT	NT	NT	ND	9.34	NT	NT	NT	NT	27.7
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	ND	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

MW-04	Alkalinity	mg/L	NS	NS	30	24	28	14	NT	NT	NT	NT	NT	19	22	20	21	14	15
MW-04	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-04	Antimony	mg/L	ND	ND	ND	ND	ND	ND	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	ND	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
MW-04	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-04	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	12.4	ND	ND
MW-04	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-04	Chloride	mg/L	ND	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
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	ND	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
MW-04	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	0.42	ND	0.343
MW-04	Lead	mg/L	ND	ND	0.0028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-04	Manganese	mg/L	ND	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
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	ND	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
MW-04	Nitrate	mg/L as N	ND	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
MW-04	Selenium	mg/L	ND	ND	ND	ND	0.0024	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	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
MW-04	T.D.S.	mg/L	NS	NS	172	88	ND	76	NT	NT	NT	NT	88	140		128	124	112	100
MW-04	Thallium	mg/L	ND	ND	ND	ND	60	ND	ND	ND	ND								
MW-04	Total Hardness	mg/L	NS	NS	54	48	68	ND	NT	NT	NT	NT	ND	48		58	68	46	60
MW-04	Turbidity	NTU	ND	ND	0.24	0.13	0.14	NT	NT	NT	NT	NT	ND	2.52	NT	NT	NT	NT	15.8
MW-04	Vanadium	mg/L	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND							
MW-04	Zinc	mg/L	ND	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

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

Sample	Parameter	Units	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
MW-05	Alkalinity	mg/L	NS	NS	16	26	16	26	NT	NT	NT	NT	NT	21	20	21	24	28	21
MW-05	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-05	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Barium	mg/L	ND	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
MW-05	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	13.8	ND	ND	ND	ND	ND
MW-05	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-05	Chloride	mg/L	ND	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
MW-05	Chromium	mg/L	ND	ND	ND	ND	ND	0.0021		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	ND	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
MW-05	Iron	mg/L	ND	ND	ND	ND	0.3363	ND	NT	NT	NT	NT	ND	ND	0.566	ND	0.386	0.642	0.225
MW-05	Lead	mg/L	ND	0.0028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Manganese	mg/L	ND	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
MW-05	Mercury	mg/L	ND	ND	ND	ND	ND	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Nickel	mg/L	ND	0.003	0.0026	0.0022	1.1437	0.003	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Nitrate	mg/L as N	ND	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
MW-05	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Sulfate	mg/L	ND	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
MW-05	T.D.S.	mg/L	NS	NS	24	260	ND	96	NT	NT	NT	NT	40	104		72	76	92	52
MW-05	Thallium	mg/L	ND	ND	ND	ND	64	ND	ND	ND	ND	ND	ND						
MW-05	Total Hardness	mg/L	NS	NS	38	38	34	NT	NT	NT	NT	NT	ND	36		37	38	50	36
MW-05	Turbidity	NTU	ND	ND	12.9	8.1	1.94	NT	NT	NT	NT	NT	ND	2.46	NT	NT	NT	NT	4.5
MW-05	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-05	Zinc	mg/L	ND	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
MW-06	Alkalinity	mg/L	NS	NS	32	36	32	26	NT	NT	NT	NT	NT	45	42	57	57	44	59
MW-06	Ammonia	mg/L as N	NS	NS	ND	ND	ND	0.007	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-06	Antimony	mg/L	ND	ND	ND	ND	ND	ND	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	ND	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
MW-06	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-06	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	11.5	ND	ND
MW-06	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-06	Chloride	mg/L	ND	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
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	ND	0.0034	0.0026	ND	0.0031	ND	ND	ND	ND	ND	0.0287	0.0052	ND	ND	ND	ND	ND
MW-06	Copper	mg/L	ND	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
MW-06	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-06	Lead	mg/L	ND	0.0025	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-06	Manganese	mg/L	ND	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
MW-06	Mercury	mg/L	ND	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
MW-06	Nickel	mg/L	ND	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
MW-06	Nitrate	mg/L as N	ND	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
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	ND	31.54	38.37	17.52	NT	NT	NT	NT	50.5	30.6	47.3	32.5	36.8	27	41.9
MW-06	T.D.S.	mg/L	NS	NS	76	88	ND	96	NT	NT	NT	NT	176	208		184	184	156	180
MW-06	Thallium	mg/L	ND	ND	ND	ND	72	ND	ND	ND	ND	ND	ND						
MW-06	Total Hardness	mg/L	NS	NS	82	58	78	NT	NT	NT	NT	NT	ND	86		116	106	90	116
MW-06	Turbidity	NTU	ND	ND	0.1	0.11	0.17	NT	NT	NT	NT	NT	ND	0.591	NT	NT	NT	NT	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	ND	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

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

Sample	Parameter	Units	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
MW-07	Alkalinity	mg/L	NS	NS	38	44	40	46	NT	NT	NT	NT	NT	46	40	39	41	48	36
MW-07	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-07	Antimony	mg/L	ND	ND	ND	ND	ND	ND	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	ND	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
MW-07	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-07	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-07	Chloride	mg/L	ND	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
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	ND	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
MW-07	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-07	Lead	mg/L	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-07	Manganese	mg/L	ND	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
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	ND	0.0029	0.0021	ND	0.0059	0.0023	0.0034	ND	0.0027	0.0025	ND	ND	ND	ND	ND	ND	ND
MW-07	Nitrate	mg/L as N	ND	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
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	ND	16.14	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-07	T.D.S.	mg/L	NS	NS	64	76	ND	96	NT	NT	NT	NT	88	116		84	152	152	108
MW-07	Thallium	mg/L	ND	ND	ND	ND	88	ND	ND	ND	ND	ND	ND						
MW-07	Total Hardness	mg/L	NS	NS	46	48	54	NT	NT	NT	NT	NT	ND	44		46	56	58	48
MW-07	Turbidity	NTU	ND	ND	0.06	0.11	0.11	NT	NT	NT	NT	NT	ND	0.411	NT	NT	NT	NT	3.4
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	ND	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

MW-08	Alkalinity	mg/L	NS	NS	38	40	30	38	NT	NT	NT	NT	NT	34	35	34	36	33	32
MW-08	Ammonia	mg/L as N	NS	NS	ND	ND	ND	0.007	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-08	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Barium	mg/L	ND	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
MW-08	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-08	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-08	Chloride	mg/L	ND	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
MW-08	Chromium	mg/L	ND	ND	ND	ND	0.0026	0.0021	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Copper	mg/L	ND	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
MW-08	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-08	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Manganese	mg/L	ND	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
MW-08	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Nickel	mg/L	ND	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
MW-08	Nitrate	mg/L as N	ND	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
MW-08	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Sulfate	mg/L	ND	ND	ND	17.18	ND	1.17	NT	NT	NT	NT	3.48	ND	ND	ND	ND	ND	ND
MW-08	T.D.S.	mg/L	NS	NS	64	80	ND	88	NT	NT	NT	NT	40	100		80	88	116	92
MW-08	Thallium	mg/L	ND	ND	ND	ND	56	ND	ND	ND	ND								
MW-08	Total Hardness	mg/L	NS	NS	40	46	38	NT	NT	NT	NT	NT	ND	30		37	38	36	36
MW-08	Turbidity	NTU	ND	ND	0.54	0.52	0.98	NT	NT	NT	NT	NT	ND	1.36	NT	NT	NT	NT	0.6
MW-08	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	Zinc	mg/L	ND	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

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

Sample	Parameter	Units	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
MW-09	Alkalinity	mg/L	NS	NS	46	40	54	40	NT	NT	NT	NT	NT	44	55	49	49	61	61
MW-09	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-09	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-09	Arsenic	mg/L	ND	ND	ND	ND	ND	ND											
MW-09	Barium	mg/L	ND	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
MW-09	Beryllium	mg/L	ND	ND	ND	ND	ND	ND											
MW-09	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	9.2	ND	ND	ND	ND
MW-09	Cadmium	mg/L	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND						
MW-09	Chloride	mg/L	ND	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
MW-09	Chromium	mg/L	ND	ND	ND	ND	ND	ND											
MW-09	Cobalt	mg/L	ND	ND	ND	0.0026	ND	0.0058	ND	ND	ND	0.0058	ND	ND	ND	ND	0.00683	ND	ND
MW-09	Copper	mg/L	ND	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
MW-09	Iron	mg/L	ND	ND	ND	0.219	0.4527	0.36	NT	NT	NT	NT	ND	ND	0.64	ND	0.527	2.78	1.32
MW-09	Lead	mg/L	ND	0.0028	ND	ND	ND	ND	ND	ND	ND								
MW-09	Manganese	mg/L	ND	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
MW-09	Mercury	mg/L	ND	ND	ND	ND	ND	ND											
MW-09	Nickel	mg/L	ND	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
MW-09	Nitrate	mg/L as N	ND	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
MW-09	Selenium	mg/L	ND	ND	ND	ND	ND	ND											
MW-09	Silver	mg/L	ND	ND	ND	ND	ND	ND											
MW-09	Sulfate	mg/L	ND	ND	21	21.92	13.84	5.07	NT	NT	NT	NT	8.27	ND	7.7	4.85	5.58	ND	5.47
MW-09	T.D.S.	mg/L	NS	NS	24	NS	ND	112	NT	NT	NT	NT	64	96	92	108	132	104	
MW-09	Thallium	mg/L	ND	ND	ND	ND	80	ND	ND	ND	ND	ND	ND						
MW-09	Total Hardness	mg/L	NS	NS	56	46	62	NT	NT	NT	NT	NT	ND	38	52	50	60	66	
MW-09	Turbidity	NTU	ND	ND	1.57	2.81	1.3	NT	NT	NT	NT	NT	ND	10.7	NT	NT	NT	NT	36.7
MW-09	Vanadium	mg/L	ND	ND	ND	ND	ND	ND											
MW-09	Zinc	mg/L	ND	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

MW-10	Alkalinity	mg/L	NS	NS	28	38	22	24	NT	NT	NT	NT	NT	26	23	31	25	22	21
MW-10	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-10	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Barium	mg/L	ND	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
MW-10	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-10	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	0.0002	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-10	Chloride	mg/L	ND	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
MW-10	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Copper	mg/L	ND	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
MW-10	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-10	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Manganese	mg/L	ND	ND	0.0031	ND	ND	0.0029	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-10	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Nickel	mg/L	ND	ND	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Nitrate	mg/L as N	ND	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
MW-10	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Sulfate	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-10	T.D.S.	mg/L	NS	NS	40	NS	ND	100	NT	NT	NT	NT	24	48	68	80	100	32	
MW-10	Thallium	mg/L	ND	ND	ND	ND	52	ND	ND	ND	ND	ND	ND						
MW-10	Total Hardness	mg/L	NS	NS	28	38	22	NT	NT	NT	NT	NT	ND	20	29	26	20	18	
MW-10	Turbidity	NTU	ND	ND	0.6	3	0.42	NT	NT	NT	NT	NT	ND	2.06	NT	NT	NT	NT	0.9
MW-10	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	Zinc	mg/L	ND	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

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

Sample	Parameter	Units	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
MW-11	Alkalinity	mg/L	NS	NS	24	16	36	24	NT	NT	NT	NT	NT	14	21	19	22	14	16
MW-11	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-11	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-11	Arsenic	mg/L	ND	ND	ND	ND	ND	ND											
MW-11	Barium	mg/L	ND	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
MW-11	Beryllium	mg/L	ND	ND	ND	ND	ND	ND											
MW-11	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	10
MW-11	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-11	Chloride	mg/L	ND	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
MW-11	Chromium	mg/L	ND	ND	ND	ND	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00641	ND
MW-11	Cobalt	mg/L	ND	ND	ND	ND	0.00609	ND											
MW-11	Copper	mg/L	ND	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
MW-11	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	1.1	4.01	1.76	3.38	2.06
MW-11	Lead	mg/L	ND	ND	ND	ND	ND	ND											
MW-11	Manganese	mg/L	ND	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
MW-11	Mercury	mg/L	ND	ND	ND	ND	ND	ND											
MW-11	Nickel	mg/L	ND	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
MW-11	Nitrate	mg/L as N	ND	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
MW-11	Selenium	mg/L	ND	ND	ND	ND	ND	ND											
MW-11	Silver	mg/L	ND	ND	ND	ND	ND	ND											
MW-11	Sulfate	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	5.76	ND	ND	ND	ND	ND	ND
MW-11	T.D.S.	mg/L	NS	NS	64	52	ND	72	NT	NT	NT	NT	36	116		68	84	88	88
MW-11	Thallium	mg/L	ND	ND	ND	35	80	ND	ND	ND	ND	ND	ND						
MW-11	Total Hardness	mg/L	NS	NS	34	ND	48	NT	NT	NT	NT	NT	ND	29		27	34	34	36
MW-11	Turbidity	NTU	ND	ND	1.72	ND	0.84	NT	NT	NT	NT	NT	ND	4.09	NT	NT	NT	NT	75.6
MW-11	Vanadium	mg/L	ND	ND	ND	ND	ND	ND											
MW-11	Zinc	mg/L	ND	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
MW-12	Alkalinity	mg/L	NS	NS	32	ND	36	36	NT	NT	NT	NT	NT	34	39	39	37	29	32
MW-12	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-12	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	Arsenic	mg/L	ND	ND	ND	8.206	ND	ND	ND	ND	ND	ND							
MW-12	Barium	mg/L	ND	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
MW-12	Beryllium	mg/L	ND	ND	ND	ND	ND	ND											
MW-12	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	6.3	ND	ND	ND	ND	ND
MW-12	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-12	Chloride	mg/L	ND	ND	1.47	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-12	Chromium	mg/L	ND	ND	ND	ND	ND	ND											
MW-12	Cobalt	mg/L	ND	ND	ND	ND	ND	ND											
MW-12	Copper	mg/L	ND	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
MW-12	Iron	mg/L	ND	ND	ND	3.572	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-12	Lead	mg/L	ND	0.0024	ND	ND	ND	ND	ND	ND									
MW-12	Manganese	mg/L	ND	ND	ND	ND	0.0031	0.0031	NT	NT	NT	NT	ND	ND	ND	0.00612	0.0053	ND	ND
MW-12	Mercury	mg/L	ND	ND	ND	ND	ND	ND											
MW-12	Nickel	mg/L	ND	ND	ND	NS	ND	ND	ND	ND	ND	0.0022	ND	ND	ND	ND	ND	ND	ND
MW-12	Nitrate	mg/L as N	ND	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
MW-12	Selenium	mg/L	ND	ND	ND	-36.4	ND	ND	ND	ND	ND	ND							
MW-12	Silver	mg/L	ND	ND	ND	-73.6	ND	ND	ND	ND	ND	ND							
MW-12	Sulfate	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	6.14	4.91	ND	5.91
MW-12	T.D.S.	mg/L	NS	NS	64	ND	ND	68	NT	NT	NT	NT	28	64		80	72	112	64
MW-12	Thallium	mg/L	ND	ND	ND	41	56	ND	ND	ND	ND	ND	ND						
MW-12	Total Hardness	mg/L	NS	NS	38	ND	36	NT	NT	NT	NT	NT	ND	16		31	26	22	28
MW-12	Turbidity	NTU	ND	ND	0.26	ND	0.3	NT	NT	NT	NT	NT	ND	1.46	NT	NT	NT	NT	0
MW-12	Vanadium	mg/L	ND	ND	ND	ND	ND	ND											
MW-12	Zinc	mg/L	ND	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

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

Sample	Parameter	Units	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
MW-13	Alkalinity	mg/L	NS	NS	24	ND	26	24	NT	NT	NS	NS	NT	36	27	29	23	19	20
MW-13	Ammonia	mg/L as N	NS	NS	ND	ND	ND	0.02	NT	NT	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	Arsenic	mg/L	ND	ND	ND	7.7711	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	Barium	mg/L	ND	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
MW-13	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	Cadmium	mg/L	ND	ND	ND	1.7837	ND	ND	ND	NT	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	Chloride	mg/L	ND	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
MW-13	Chromium	mg/L	ND	ND	ND	1.0151	0.0025	ND	ND	0.2412	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	0.0055	ND	ND	ND	ND	ND	ND
MW-13	Copper	mg/L	ND	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
MW-13	Iron	mg/L	ND	ND	ND	8.667	ND	ND	NT	NT	NS	NS	2.61	0.976	ND	ND	0.612	ND	ND
MW-13	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND	0.0041	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	Manganese	mg/L	ND	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
MW-13	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	Nickel	mg/L	ND	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
MW-13	Nitrate	mg/L as N	ND	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
MW-13	Selenium	mg/L	ND	ND	ND	6.2	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	Silver	mg/L	ND	ND	ND	-13.7	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	Sulfate	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	T.D.S.	mg/L	NS	NS	16	ND	ND	76	NT	NT	NS	NS	68	160		88	76	84	60
MW-13	Thallium	mg/L	ND	ND	ND	17	60	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	Total Hardness	mg/L	NS	NS	32	ND	36	NT	NT	NT	NS	NS	ND	52		37	24	26	26
MW-13	Turbidity	NTU	ND	ND	0.13	ND	0.15	NT	NT	NT	NS	NS	ND	1.45	NT	NT	NT	NT	6
MW-13	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND
MW-13	Zinc	mg/L	ND	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

MW-14	Alkalinity	mg/L	NS	NS	174	ND	184	96	NT	NT	NT	NT	NT	172	195	191	181	145	187
MW-14	Ammonia	mg/L as N	NS	NS	ND	ND	ND	0.01	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-14	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-14	Arsenic	mg/L	ND	ND	ND	19.0763	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-14	Barium	mg/L	ND	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
MW-14	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-14	C. O. D.	mg/L	ND	ND	ND	2.7086	ND	ND	NT	NT	NT	NT	8	ND	ND	ND	ND	ND	ND
MW-14	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-14	Chloride	mg/L	ND	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
MW-14	Chromium	mg/L	ND	ND	ND	ND	0.0022	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	ND	0.00741	ND
MW-14	Copper	mg/L	ND	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
MW-14	Iron	mg/L	ND	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
MW-14	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00646	ND
MW-14	Manganese	mg/L	ND	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
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	ND	0.0023	ND	0.0022	0.0028	0.0027	0.0023	ND	0.0023	0.0033	ND	ND	ND	ND	ND	0.00694	ND
MW-14	Nitrate	mg/L as N	ND	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
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	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
MW-14	T.D.S.	mg/L	NS	NS	144	200	ND	172	NT	NT	NT	NT	240	284		276	232	232	248
MW-14	Thallium	mg/L	ND	ND	ND	ND	272	ND	ND	ND	ND	ND	ND						
MW-14	Total Hardness	mg/L	NS	NS	206	158	218	NT	NT	NT	NT	NT	188			215	206	170	218
MW-14	Turbidity	NTU	ND	ND	6.85	8.03	4.49	NT	NT	NT	NT	NT	25.1	NT	NT	NT	NT	NT	10.5
MW-14	Vanadium	mg/L	ND	ND	ND	0.0022	ND	ND	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	0.00691	ND
MW-14	Zinc	mg/L	ND	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

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

Sample	Parameter	Units	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
MW-15	Alkalinity	mg/L	NS	NS	28	30	28	29	NT	NT	NT	NT	NT	25	24	24	27	26	24
MW-15	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-15	Antimony	mg/L	ND	ND	ND	ND	ND	ND	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	ND	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
MW-15	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-15	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-15	Chloride	mg/L	ND	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
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	ND	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
MW-15	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	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	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
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	ND	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
MW-15	Nitrate	mg/L as N	ND	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
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	ND	15.66	ND	2.11	NT	NT	NT	NT	6.37	4.4	6.29	6.92	8.57	5.91	8.78
MW-15	T.D.S.	mg/L	NS	NS	64	56	ND	80	NT	NT	NT	NT	80	148		112	104	100	110
MW-15	Thallium	mg/L	ND	ND	ND	ND	80	ND	ND	ND	ND								
MW-15	Total Hardness	mg/L	NS	NS	36	46	36	NT	NT	NT	NT	NT	ND	42		47	48	44	48
MW-15	Turbidity	NTU	ND	ND	0.61	0.39	0.15	NT	NT	NT	NT	NT	ND	1.26	NT	NT	NT	NT	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	ND	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
MW-16	Alkalinity	mg/L	NS	NS	38	26	46	18	NT	NT	NT	NT	NT	29	60	44	54	24	57
MW-16	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-16	Antimony	mg/L	ND	ND	ND	ND	ND	ND	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	ND	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
MW-16	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	6.2	ND	ND	ND	ND	ND
MW-16	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-16	Chloride	mg/L	ND	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
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	ND	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
MW-16	Iron	mg/L	ND	ND	ND	ND	0.4482	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-16	Lead	mg/L	ND	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-16	Manganese	mg/L	ND	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
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	ND	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
MW-16	Nitrate	mg/L as N	ND	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
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	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
MW-16	T.D.S.	mg/L	NS	NS	64	144	ND	84	NT	NT	NT	NT	140	172		160	128	136	146
MW-16	Thallium	mg/L	ND	ND	ND	ND	152	ND	ND	ND	ND								
MW-16	Total Hardness	mg/L	NS	NS	78	54	98	NT	NT	NT	NT	NT	ND	66		90	94	74	108
MW-16	Turbidity	NTU	ND	ND	0.09	0.11	0.11	NT	NT	NT	NT	NT	ND	0.188	NT	NT	NT	NT	0.1
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	ND	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

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

Sample	Parameter	Units	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
MW-17	Alkalinity	mg/L	NS	NS	16	16	12	16	NT	NT	NT	NT	NT	12	11	11	11	19	6
MW-17	Ammonia	mg/L as N	NS	NS	ND	ND	ND	0.004	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-17	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-17	Arsenic	mg/L	ND	ND	ND	ND													
MW-17	Barium	mg/L	ND	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
MW-17	Beryllium	mg/L	ND	ND	ND	ND													
MW-17	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-17	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	0.0002	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-17	Chloride	mg/L	ND	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
MW-17	Chromium	mg/L	ND	ND	ND	ND													
MW-17	Cobalt	mg/L	ND	ND	ND	ND													
MW-17	Copper	mg/L	ND	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
MW-17	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-17	Lead	mg/L	ND	ND	ND	ND													
MW-17	Manganese	mg/L	ND	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
MW-17	Mercury	mg/L	ND	ND	ND	ND													
MW-17	Nickel	mg/L	ND	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
MW-17	Nitrate	mg/L as N	ND	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
MW-17	Selenium	mg/L	ND	ND	ND	ND													
MW-17	Silver	mg/L	ND	ND	ND	ND													
MW-17	Sulfate	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-17	T.D.S.	mg/L	NS	NS	12	356	ND	84	NT	NT	NT	NT	28	96		56	80	64	50
MW-17	Thallium	mg/L	ND	ND	ND	ND	44	ND	ND	ND	ND								
MW-17	Total Hardness	mg/L	NS	NS	28	28	32	NT	NT	NT	NT	NT	ND	21		23	24	26	36
MW-17	Turbidity	NTU	ND	ND	0.05	0.12	0.07	NT	NT	NT	NT	NT	ND	0.193	NT	NT	NT	NT	0
MW-17	Vanadium	mg/L	ND	ND	ND	ND													
MW-17	Zinc	mg/L	ND	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

MW-18A	Alkalinity	mg/L	NS	NS	12	14	14	14	NT	NT	NT	NT	NT	10	12	9	9	6	3.8
MW-18A	Ammonia	mg/L as N	NS	NS	ND	ND	ND	0.002	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-18A	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Barium	mg/L	ND	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
MW-18A	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-18A	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	0.0002	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-18A	Chloride	mg/L	ND	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
MW-18A	Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Copper	mg/L	ND	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
MW-18A	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-18A	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Manganese	mg/L	ND	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
MW-18A	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Nickel	mg/L	ND	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
MW-18A	Nitrate	mg/L as N	ND	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
MW-18A	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Sulfate	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-18A	T.D.S.	mg/L	NS	NS	4	132	ND	96	NT	NT	NT	NT	4	60		44	40	40	14
MW-18A	Thallium	mg/L	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND						
MW-18A	Total Hardness	mg/L	NS	NS	28	22	36	NT	NT	NT	NT	NT	ND	10		12	14	12	12
MW-18A	Turbidity	NTU	ND	ND	0.05	0.06	0.15	NT	NT	NT	NT	NT	ND	0.464	NT	NT	NT	NT	0
MW-18A	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-18A	Zinc	mg/L	ND	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

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

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

Sample	Parameter	Units	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
MW-19	Alkalinity	mg/L	NS	NS	32	14	10	14	NT	NT	NT	NT	NT	7	12	10	12	7	4.6
MW-19	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-19	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-19	Arsenic	mg/L	ND	ND	ND	ND	ND												
MW-19	Barium	mg/L	ND	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
MW-19	Beryllium	mg/L	ND	ND	ND	ND	ND												
MW-19	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	5.2	ND	ND	ND	ND	ND
MW-19	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-19	Chloride	mg/L	ND	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
MW-19	Chromium	mg/L	ND	ND	ND	ND	ND												
MW-19	Cobalt	mg/L	ND	0.0024	0.0039	0.0041	0.0064	ND	0.0026	ND	0.0042	0.0027	ND	ND	ND	ND	ND	ND	ND
MW-19	Copper	mg/L	ND	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
MW-19	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-19	Lead	mg/L	ND	0.0021	ND	ND	ND	ND	ND										
MW-19	Manganese	mg/L	ND	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
MW-19	Mercury	mg/L	ND	ND	ND	ND	ND												
MW-19	Nickel	mg/L	ND	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
MW-19	Nitrate	mg/L as N	ND	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
MW-19	Selenium	mg/L	ND	ND	ND	ND	ND												
MW-19	Silver	mg/L	ND	ND	ND	ND	ND												
MW-19	Sulfate	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	2.1	ND	ND	ND	ND	ND	ND
MW-19	T.D.S.	mg/L	NS	NS	8	332	ND	156	NT	NT	NT	NT	32	80		68	60	80	60
MW-19	Thallium	mg/L	ND	ND	ND	ND	44	ND	ND	ND	ND	ND							
MW-19	Total Hardness	mg/L	NS	NS	38	28	30	NT	NT	NT	NT	NT	ND	19		26	22	20	20
MW-19	Turbidity	NTU	ND	ND	0.25	1.6	0.09	NT	NT	NT	NT	NT	ND	0.339	NT	NT	NT	NT	0
MW-19	Vanadium	mg/L	ND	ND	ND	ND	ND												
MW-19	Zinc	mg/L	ND	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
MW-20	Alkalinity	mg/L	NS	NS	24	26	20	26	NT	NT	NT	NT	NT	28	28	27	30	27	29
MW-20	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-20	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-20	Arsenic	mg/L	ND	ND	ND	ND	ND												
MW-20	Barium	mg/L	ND	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
MW-20	Beryllium	mg/L	ND	ND	ND	ND	ND												
MW-20	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-20	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-20	Chloride	mg/L	ND	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
MW-20	Chromium	mg/L	ND	ND	ND	ND	0.0027	ND	0.0022	ND	0.0022	0.0023	ND	ND	ND	ND	ND	ND	ND
MW-20	Cobalt	mg/L	ND	ND	ND	ND	ND												
MW-20	Copper	mg/L	ND	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
MW-20	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-20	Lead	mg/L	ND	0.0025	ND	ND	ND	ND	ND										
MW-20	Manganese	mg/L	ND	ND	0.0047	ND	0.0046	0.0045	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-20	Mercury	mg/L	ND	ND	ND	ND	ND												
MW-20	Nickel	mg/L	ND	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
MW-20	Nitrate	mg/L as N	ND	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
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	ND	33.57	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-20	T.D.S.	mg/L	NS	NS	20	28	ND	80	NT	NT	NT	NT	52	76		60	68	88	48
MW-20	Thallium	mg/L	ND	ND	ND	ND	36	ND	ND	ND	ND	ND							
MW-20	Total Hardness	mg/L	NS	NS	34	36	26	NT	NT	NT	NT	NT	ND	26		31	28	30	30
MW-20	Turbidity	NTU	ND	ND	0.46	0.28	0.12	NT	NT	NT	NT	NT	ND	6.08	NT	NT	NT	NT	0
MW-20	Vanadium	mg/L	ND	ND	ND	ND	ND												
MW-20	Zinc	mg/L	ND	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

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

Sample	Parameter	Units	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
MW-21	Alkalinity	mg/L	NS	NS	28	46	NS	NS	NT	NT	NT	NT	NT	43	52	84	38	50	42
MW-21	Ammonia	mg/L as N	NS	NS	0.101	ND	NS	NS	NT	NT	NT	NT	ND	ND	ND	ND	0.312	ND	ND
MW-21	Antimony	mg/L	ND	ND	ND	ND	NS	NS	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-21	Arsenic	mg/L	ND	ND	ND	ND	NS	NS	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
MW-21	Barium	mg/L	ND	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
MW-21	Beryllium	mg/L	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND							
MW-21	C. O. D.	mg/L	ND	ND	ND	ND	NS	NS	NT	NT	NT	NT	ND	10.7	ND	ND	ND	ND	ND
MW-21	Cadmium	mg/L	ND	ND	ND	ND	NS	NS	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-21	Chloride	mg/L	ND	ND	3.75	59.024	NS	NS	NT	NT	NT	NT	8.65	19.6	32	35	15.3	26.2	23.8
MW-21	Chromium	mg/L	ND	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
MW-21	Cobalt	mg/L	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND							
MW-21	Copper	mg/L	ND	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
MW-21	Iron	mg/L	ND	ND	0.5452	1.4864	NS	NS	NT	NT	NT	NT	3.43	2.84	ND	1.22	1.44	3.26	0.204
MW-21	Lead	mg/L	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND							
MW-21	Manganese	mg/L	ND	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
MW-21	Mercury	mg/L	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND							
MW-21	Nickel	mg/L	ND	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
MW-21	Nitrate	mg/L as N	ND	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
MW-21	Selenium	mg/L	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND							
MW-21	Silver	mg/L	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND							
MW-21	Sulfate	mg/L	ND	ND	ND	7.75	NS	NS	NT	NT	NT	NT	ND	8.23	15.4	29	5.55	13.6	9.98
MW-21	T.D.S.	mg/L	NS	NS	88	208	NS	NS	NT	NT	NT	NT	48	160		236	156	192	140
MW-21	Thallium	mg/L	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND							
MW-21	Total Hardness	mg/L	NS	NS	34	98	NS	NS	NT	NT	NT	NT	ND	54		127	48	74	64
MW-21	Turbidity	NTU	ND	ND	1.35	3.92	NS	NS	NT	NT	NT	NT	ND	22.3	NT	NT	NT	NT	2.5
MW-21	Vanadium	mg/L	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND							
MW-21	Zinc	mg/L	ND	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

MW-22	Alkalinity	mg/L	NS	NS	22	28	24	24	NT	NT	NT	NT	NT	34	32	34	34	32	30
MW-22	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-22	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	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	ND	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
MW-22	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	7.1	ND	ND	ND	ND	10.1
MW-22	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	0.0002	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-22	Chloride	mg/L	ND	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
MW-22	Chromium	mg/L	ND	ND	ND	ND	ND	0.0021	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	ND	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
MW-22	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-22	Lead	mg/L	ND	ND	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-22	Manganese	mg/L	ND	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
MW-22	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00029	0.00022	ND	ND	ND	ND
MW-22	Nickel	mg/L	ND	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
MW-22	Nitrate	mg/L as N	ND	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
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	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
MW-22	T.D.S.	mg/L	NS	NS	72	380	ND	128	NT	NT	NT	NT	48	144		92	72	92	62
MW-22	Thallium	mg/L	ND	ND	ND	ND	64	ND	ND	ND	ND	ND	ND						
MW-22	Total Hardness	mg/L	NS	NS	48	50	38	NT	NT	NT	NT	NT	ND	57		57	54	60	52
MW-22	Turbidity	NTU	ND	ND	0.24	0.61	0.12	NT	NT	NT	NT	NT	ND	0.392	NT	NT	NT	NT	34.2
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	ND	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

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

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

Sample	Parameter	Units	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
MW-23	Alkalinity	mg/L	NS	NS	22	28	14	26	NT	NT	NT	NT	NT	24	12	25	20	22	13.4
MW-23	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-23	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	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	ND	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
MW-23	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-23	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-23	Cadmium	mg/L	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-23	Chloride	mg/L	ND	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
MW-23	Chromium	mg/L	ND	ND	ND	ND	0.0022	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	ND	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
MW-23	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-23	Lead	mg/L	ND	0.0024	ND	ND	0.0025	ND	ND	ND	ND	ND	ND						
MW-23	Manganese	mg/L	ND	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
MW-23	Mercury	mg/L	ND	0.0006	ND	0.0004	ND	0.0009	ND	0.0007	ND	0.0006	ND	0.00045	ND	ND	ND	0.00043	ND
MW-23	Nickel	mg/L	ND	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
MW-23	Nitrate	mg/L as N	ND	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
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	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-23	T.D.S.	mg/L	NS	NS	36	NS	ND	100	NT	NT	NT	NT	20	64		64	60	80	66
MW-23	Thallium	mg/L	ND	ND	ND	ND	196	ND	ND	ND	ND	ND	ND						
MW-23	Total Hardness	mg/L	NS	NS	24	34	72	NT	NT	NT	NT	NT	ND	30		27	20	34	20
MW-23	Turbidity	NTU	ND	ND	0.12	0.6	1.97	NT	NT	NT	NT	NT	ND	0.418	NT	NT	NT	NT	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	ND	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
MW-24	Alkalinity	mg/L	NS	NS	32	32	24	34	NT	NT	NT	NT	NT	44	28	27	31	28	28
MW-24	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-24	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	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	ND	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
MW-24	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	7.6	ND	ND	ND	ND	ND
MW-24	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	0.0004	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-24	Chloride	mg/L	ND	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
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	ND	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
MW-24	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-24	Lead	mg/L	ND	ND	0.003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Manganese	mg/L	ND	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
MW-24	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00028	ND	ND	ND	ND	ND
MW-24	Nickel	mg/L	ND	0.0027	0.0031	0.0023	0.0024	0.0038	ND	ND	0.0024	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	Nitrate	mg/L as N	ND	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
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	ND	15.24	17.27	14	NT	NT	NT	NT	18.3	29.6	18.2	19.8	20.8	20.2	18.7
MW-24	T.D.S.	mg/L	NS	NS	56	NS	ND	81296	NT	NT	NT	NT	80	160		128	92	136	88
MW-24	Thallium	mg/L	ND	ND	ND	ND	92	ND	ND	ND	ND	ND	ND						
MW-24	Total Hardness	mg/L	NS	NS	68	64	58	NT	NT	NT	NT	NT	ND	80		62	62	68	62
MW-24	Turbidity	NTU	ND	ND	0.13	0.6	0.09	NT	NT	NT	NT	NT	ND	0.673	NT	NT	NT	NT	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	ND	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

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

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

Sample	Parameter	Units	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
MW-25	Alkalinity	mg/L	NS	NS	16	14	NT	14	NT	NT	NT	NT	NT	13	13	12	12	9	5.5
MW-25	Ammonia	mg/L as N	NS	NS	ND	ND	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-25	Antimony	mg/L	ND	ND	ND	ND	NT	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
MW-25	Arsenic	mg/L	ND	ND	ND	ND	NT	ND	ND	ND	ND								
MW-25	Barium	mg/L	ND	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
MW-25	Beryllium	mg/L	ND	ND	ND	ND	NT	ND	ND	ND	ND								
MW-25	C. O. D.	mg/L	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-25	Cadmium	mg/L	ND	ND	ND	ND	NT	ND	0.0002	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-25	Chloride	mg/L	ND	ND	41.3	42.7218	NT	45.2	NT	NT	NT	NT	57	59.4	61.1	65.3	67.2	70	73.7
MW-25	Chromium	mg/L	ND	ND	ND	ND	NT	ND	0.0037	ND	ND	ND	ND						
MW-25	Cobalt	mg/L	ND	ND	ND	ND	NT	ND	ND	ND	ND								
MW-25	Copper	mg/L	ND	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
MW-25	Iron	mg/L	ND	ND	ND	0.7076	NT	ND	NT	NT	NT	NT	ND	ND	ND	0.705	0.43	0.258	0.254
MW-25	Lead	mg/L	ND	ND	ND	0.0026	NT	ND	ND	ND	ND								
MW-25	Manganese	mg/L	ND	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
MW-25	Mercury	mg/L	ND	ND	ND	ND	NT	ND	ND	ND	ND								
MW-25	Nickel	mg/L	ND	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
MW-25	Nitrate	mg/L as N	ND	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
MW-25	Selenium	mg/L	ND	ND	ND	ND	NT	ND	ND	ND	ND								
MW-25	Silver	mg/L	ND	ND	ND	ND	NT	ND	ND	ND	ND								
MW-25	Sulfate	mg/L	ND	ND	ND	ND	NT	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-25	T.D.S.	mg/L	NS	NS	128	NS	NT	178424	NT	NT	NT	NT	160	244		228	200	296	200
MW-25	Thallium	mg/L	ND	ND	ND	ND	NT	ND	ND	ND	ND								
MW-25	Total Hardness	mg/L	NS	NS	60	60	NT	NT	NT	NT	NT	NT	ND	76		84	84	86	86
MW-25	Turbidity	NTU	ND	ND	1.89	6	NT	NT	NT	NT	NT	NT	ND	2.98	NT	NT	NT	NT	5.9
MW-25	Vanadium	mg/L	ND	ND	ND	ND	NT	ND	0.0032	ND	ND	ND	ND						
MW-25	Zinc	mg/L	ND	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

MW-26	Alkalinity	mg/L	NS	NS	16	26	24	26	NT	NT	NT	NS	NT	16	17	17	16	24	12.1
MW-26	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	Barium	mg/L	ND	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
MW-26	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	0.0001	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	Chloride	mg/L	ND	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
MW-26	Chromium	mg/L	ND	ND	ND	ND	ND	0.0173	ND	ND	ND	NS	ND	ND	ND	0.00546	ND	ND	ND
MW-26	Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	Copper	mg/L	ND	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
MW-26	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NS	ND	ND	1.25	3.29	1.04	1.66	0.87
MW-26	Lead	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	Manganese	mg/L	ND	ND	0.0032	ND	0.0031	0.003	NT	NT	NT	NS	ND	ND	0.0096	0.0244	0.0121	0.0126	0.0155
MW-26	Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	Nickel	mg/L	ND	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
MW-26	Nitrate	mg/L as N	ND	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
MW-26	Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	Sulfate	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	T.D.S.	mg/L	NS	NS	76	NS	ND	144	NT	NT	NT	NS	88	156		176	136	196	136
MW-26	Thallium	mg/L	ND	ND	ND	ND	120	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
MW-26	Total Hardness	mg/L	NS	NS	40	38	48	NT	NT	NT	NT	NS	ND	53		57	56	60	60
MW-26	Turbidity	NTU	ND	ND	3.75	3	0.32	NT	NT	NT	NT	NS	ND	9.41	NT	NT	NT	NT	24.9
MW-26	Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	0.00644	ND	ND	ND
MW-26	Zinc	mg/L	ND	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

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

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

Sample	Parameter	Units	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
MW-27	Alkalinity	mg/L	NS	NS	12	16	14	1	NT	NT	NT	NT	NT	13	17	12	10	7	4.9
MW-27	Ammonia	mg/L as N	NS	NS	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-27	Antimony	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	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	ND	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
MW-27	Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-27	C. O. D.	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-27	Cadmium	mg/L	ND	ND	ND	ND	ND	ND	0.0001	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-27	Chloride	mg/L	ND	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
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	ND	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
MW-27	Iron	mg/L	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
MW-27	Lead	mg/L	ND	ND	ND	0.0028	ND	ND	ND	ND									
MW-27	Manganese	mg/L	ND	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
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	ND	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
MW-27	Nitrate	mg/L as N	ND	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
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	ND	NT	NT	NT	NT	2.54	ND	ND	ND	ND	ND	ND
MW-27	T.D.S.	mg/L	NS	NS	144	364	ND	152	NT	NT	NT	NT	100	92		100	136	104	102
MW-27	Thallium	mg/L	ND	ND	ND	ND	168	ND	ND	ND	ND								
MW-27	Total Hardness	mg/L	NS	NS	36	36	48	NT	NT	NT	NT	NT	ND	20		27	40	30	32
MW-27	Turbidity	NTU	ND	ND	0.25	0.7	0.72	NT	NT	NT	NT	NT	ND	0.948	NT	NT	NT	NT	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	ND	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

SW-20	Alkalinity	mg/L	NS	NS	136	98	116	NS	NT	NT	NT	NT	NT	52	68	59	69	43	72
SW-20	Ammonia	mg/L as N	NS	NS	0.207	ND	1.661	NS	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
SW-20	Antimony	mg/L	ND	ND	ND	ND	ND	NS	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Arsenic	mg/L	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Barium	mg/L	ND	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
SW-20	Beryllium	mg/L	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	C. O. D.	mg/L	ND	ND	ND	12.4	ND	NS	NT	NT	NT	NT	ND	27.2	17.1	24.5	32.2	31.1	18.2
SW-20	Cadmium	mg/L	ND	ND	ND	ND	204	NS	ND	NT	NT	NT	24.7	ND	ND	ND	ND	ND	ND
SW-20	Chloride	mg/L	ND	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
SW-20	Chromium	mg/L	ND	ND	ND	ND	0.0145	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Cobalt	mg/L	ND	ND	ND	ND	0.0112	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Copper	mg/L	ND	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
SW-20	Iron	mg/L	ND	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
SW-20	Lead	mg/L	ND	ND	ND	0.0033	0.0092	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Manganese	mg/L	ND	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
SW-20	Mercury	mg/L	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Nickel	mg/L	ND	0.0032	0.0028	0.003	0.0105	NS	0.0023	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Nitrate	mg/L as N	ND	ND	0.0928	0.2417	ND	NS	NT	NT	NT	NT	ND	ND	ND	ND	ND	4.27	ND
SW-20	Selenium	mg/L	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Silver	mg/L	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Sulfate	mg/L	ND	ND	ND	16.7467	6.69	NS	NT	NT	NT	NT	10.5	5.79	6.28	7.81	5.58	10	5.25
SW-20	T.D.S.	mg/L	NS	NS	208	NS	ND	NS	NT	NT	NT	NT	68	108		96	140	108	102
SW-20	Thallium	mg/L	ND	ND	ND	ND	64	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Total Hardness	mg/L	NS	NS	164	102	116	NS	NT	NT	NT	NT	ND	50		63	68	56	76
SW-20	Turbidity	NTU	ND	ND	5.6	18	67.8	NS	NT	NT	NT	NT	ND	5.58	NT	NT	NT	NT	4.1
SW-20	Vanadium	mg/L	ND	0.0029	ND	0.0024	0.0247	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-20	Zinc	mg/L	ND	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

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

Sample	Parameter	Units	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
SW-30	Alkalinity	mg/L	NS	NS	102	72	68	NS	NT	NT	NT	NT	NT	90	80	96	92	67	111
SW-30	Ammonia	mg/L as N	NS	NS	0.136	ND	ND	NS	NT	NT	NT	NT	ND	0.281	ND	ND	ND	0.498	0.231
SW-30	Antimony	mg/L	ND	ND	ND	ND	ND	NS	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Arsenic	mg/L	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Barium	mg/L	ND	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
SW-30	Beryllium	mg/L	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	C. O. D.	mg/L	ND	ND	ND	21.6	ND	NS	NT	NT	NT	NT	ND	18.7	10.5	16.6	32.4	24.1	30.8
SW-30	Cadmium	mg/L	ND	ND	ND	ND	18.8	NS	ND	NT	NT	NT	26.2	ND	ND	ND	ND	ND	ND
SW-30	Chloride	mg/L	ND	ND	6.13	6.4561	3.0787	NS	NT	NT	NT	NT	7.43	4.02	3.77	ND	ND	3.83	5.09
SW-30	Chromium	mg/L	ND	ND	ND	ND	ND	NS	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	ND
SW-30	Cobalt	mg/L	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Copper	mg/L	ND	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
SW-30	Iron	mg/L	ND	ND	1.74	ND	ND	NS	NT	NT	NT	NT	1.26	1.42	0.923	0.782	1.61	3.66	2.77
SW-30	Lead	mg/L	ND	0.0025	ND	0.0039	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Manganese	mg/L	ND	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
SW-30	Mercury	mg/L	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Nickel	mg/L	ND	0.0026	0.0024	0.0027	0.0021	NS	0.003	0.0033	0.0038	0.0049	ND	ND	ND	ND	ND	ND	ND
SW-30	Nitrate	mg/L as N	ND	ND	0.43	0.0791	0.2174	NS	NT	NT	NT	NT	ND	ND	0.284	ND	ND	0.268	ND
SW-30	Selenium	mg/L	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Silver	mg/L	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Sulfate	mg/L	ND	ND	ND	ND	ND	NS	NT	NT	NT	NT	8.19	ND	14.5	11.4	4.02	46.4	8.94
SW-30	T.D.S.	mg/L	NS	NS	108	NS	ND	NS	NT	NT	NT	NT	120	140		156	144	180	146
SW-30	Thallium	mg/L	ND	ND	ND	ND	92	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-30	Total Hardness	mg/L	NS	NS	106	74	74	NS	NT	NT	NT	NT	ND	83		100	86	110	110
SW-30	Turbidity	NTU	ND	ND	6.1	22	6.83	NS	NT	NT	NT	NT	ND	10.1	NT	NT	NT	NT	7
SW-30	Vanadium	mg/L	ND	ND	ND	ND	ND	NS	0.0021	ND	ND	0.0055	ND	ND	ND	ND	ND	ND	ND
SW-30	Zinc	mg/L	ND	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

**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		
<b>Parameter</b>	<b>Antimony</b>	Unfiltered	ND										
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	<b>Arsenic</b>	Unfiltered	ND	0.0224	ND	ND							
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	<b>Barium</b>	Unfiltered	0.0153	0.014	0.02	0.0428	0.0188	0.0631	0.0241	0.0361	ND	0.0088	0.0088
	Filtered	0.016	0.0131	0.0179	0.0405	0.0207	0.0629	0.0234	0.0365	18.8	0.00817	0.00817	0.00817
	<b>Beryllium</b>	Unfiltered	ND										
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	<b>Cadmium</b>	Unfiltered	ND	0.022	ND	ND							
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.32	ND	ND
	<b>Calcium</b>	Unfiltered	10.8	11.6	14.5	14.3	8.72	22.5	11.3	7.43	ND	4.97	4.97
	Filtered	10.9	11.4	14.2	14.1	8.87	22.8	11.1	7.78	4.63	4.85	4.85	4.85
	<b>Chromium</b>	Unfiltered	ND	0.223	ND	ND							
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	<b>Cobalt</b>	Unfiltered	ND										
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	0.983	ND	ND	ND
	<b>Copper</b>	Unfiltered	0.0076	0.01	0.0162	0.0189	0.00777	0.0132	0.0058	0.0168	ND	0.0103	0.0103
	Filtered	0.00807	ND	0.0158	0.00815	0.00562	0.00789	0.00795	0.00956	ND	0.00719	0.00719	0.00719
	<b>Iron</b>	Unfiltered	ND	0.683	1.26	0.343	0.225	ND	ND	ND	5.01	ND	ND
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	<b>Lead</b>	Unfiltered	ND										
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	0.0093	ND	ND	ND
	<b>Magnesium</b>	Unfiltered	4.98	5.29	8.26	8.26	6.13	15.9	6.89	5.28	ND	2.99	2.99
	Filtered	5	5.22	8.19	8.21	5.97	16.8	6.93	5.55	ND	2.95	2.95	2.95
	<b>Manganese</b>	Unfiltered	ND	0.0276	0.0463	0.0206	0.0129	0.282	0.0107	0.0134	0.0191	ND	ND
	Filtered	ND	ND	0.0126	0.0115	ND	0.272	0.00935	0.0126	ND	ND	ND	ND
	<b>Mercury</b>	Unfiltered	ND	ND	ND	ND	ND	0.00037	ND	ND	ND	ND	ND
	Filtered	ND	ND	ND	ND	ND	0.00021	ND	ND	18.2	ND	ND	ND
<b>Nickel</b>	Unfiltered	ND	ND	0.00949	0.00631	ND	0.0114	ND	0.00832	ND	ND	ND	
Filtered	ND	ND	0.00816	0.00648	ND	0.0112	ND	0.00821	ND	ND	ND	ND	
<b>Potassium</b>	Unfiltered	0.955	1.18	1.96	1.43	1.21	2.23	1.31	0.804	0.0051	0.581	0.581	
Filtered	1.02	1.2	1.98	1.56	1.25	2.34	1.36	0.84	0.975	0.571	0.571	0.571	
<b>Selenium</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Filtered	ND	ND	ND	ND	ND	ND	ND	ND	4.62	ND	ND	ND	
<b>Silver</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	0.17	ND	ND	
Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Sodium</b>	Unfiltered	6.64	5.73	10.8	5.43	3.12	7.65	8.02	6.04	ND	5.54	5.54	
Filtered	6.72	5.66	11.2	6.1	3.1	7.64	8.76	5.82	1	5.5	5.5	5.5	
<b>Thallium</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Vanadium</b>	Unfiltered	ND	ND	ND	ND	ND	ND	ND	ND	5.74	ND	ND	
Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Zinc</b>	Unfiltered	0.0125	0.00943	0.0219	0.0289	0.00926	0.0308	0.0117	0.0254	ND	0.0085	0.0085	
Filtered	0.0132	0.00847	0.0292	0.0235	0.00979	0.0274	0.015	0.0219	0.0078	0.00941	0.00941	0.00941	

**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	0.0416	0.00893	0.0147	0.0388	0.113	0.0411	0.0387	0.0257	0.0442	0.0264
		Filtered	0.0338	0.00848	0.0143	0.038	0.116	0.0405	0.0382	0.0252	0.0478	0.0253
	<b>Beryllium</b>	Unfiltered	ND									
		Filtered	ND									
	<b>Cadmium</b>	Unfiltered	ND									
		Filtered	ND									
	<b>Calcium</b>	Unfiltered	7.09	5.96	6.71	63.4	14.2	20.7	4.8	3.16	5.26	7.73
		Filtered	7.25	5.88	5.31	63.8	13.8	20.1	4.7	3.05	5.58	7.44
	<b>Chromium</b>	Unfiltered	ND									
		Filtered	ND									
	<b>Cobalt</b>	Unfiltered	ND									
		Filtered	ND									
	<b>Copper</b>	Unfiltered	0.0262	ND	ND	0.00538	0.0096	0.00914	0.0138	0.00559	0.00918	0.00534
		Filtered	0.00788	0.00604	ND	0.00646	0.00622	0.0116	0.0128	0.0054	0.00895	0.00725
	<b>Iron</b>	Unfiltered	2.06	ND	ND	0.686	ND	ND	ND	ND	ND	ND
		Filtered	ND	ND	ND	0.301	ND	ND	ND	ND	ND	ND
	<b>Lead</b>	Unfiltered	ND									
		Filtered	ND									
	<b>Magnesium</b>	Unfiltered	5.75	4.04	4.24	14.4	4.93	17.1	4.4	2.94	4.31	4.08
		Filtered	5.36	4.08	4.1	14.8	4.75	17.4	4.37	2.92	4.42	4.02
	<b>Manganese</b>	Unfiltered	0.0986	ND	0.00771	0.0158	0.0142	0.0388	0.0143	0.0122	0.0248	ND
		Filtered	0.0155	ND	0.00572	ND	0.0141	0.0386	0.0142	0.012	0.0249	ND
	<b>Mercury</b>	Unfiltered	ND									
		Filtered	ND									
<b>Nickel</b>	Unfiltered	0.00932	ND	ND	ND	ND	0.00737	0.00656	ND	0.00519	ND	
	Filtered	0.00618	ND	ND	ND	ND	0.00742	0.0065	ND	0.00531	ND	
<b>Potassium</b>	Unfiltered	1.59	0.852	0.279	1.57	1.01	1.26	1.37	1.2	1.61	0.661	
	Filtered	1.38	0.854	0.268	1.57	0.96	1.32	1.45	1.19	1.72	0.72	
<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	5.02	6.97	5.61	6.6	9.8	6.61	4.65	2.91	5.66	4.54	
	Filtered	4.67	6.97	5.43	6.6	9.42	6.84	4.82	2.88	5.78	5.07	
<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	ND	ND	ND	ND	ND	ND	ND	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Zinc</b>	Unfiltered	0.037	0.00652	0.00679	0.00636	0.02	0.0277	0.0335	0.00989	0.0205	0.0118	
	Filtered	0.0268	0.00833	0.00722	0.00768	0.0193	0.0332	0.0337	0.00957	0.0215	0.0139	

**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						
		Filtered	ND	ND						
	<b>Arsenic</b>	Unfiltered	ND	ND						
		Filtered	ND	ND						
	<b>Barium</b>	Unfiltered	0.0217	0.0392	0.0275	0.0293	0.0815	0.0314	0.0448	0.035058846
		Filtered	0.0237	0.0412	0.0273	0.031	0.0861	0.031	0.0448	0.730068519
	<b>Beryllium</b>	Unfiltered	ND	ND						
		Filtered	ND	ND						
	<b>Cadmium</b>	Unfiltered	ND	ND						
		Filtered	ND	ND						
	<b>Calcium</b>	Unfiltered	14.2	11.1	5.28	13.6	17.3	14.8	7.3	12.64269231
		Filtered	15.5	11.2	5.12	13.8	17.3	15	7.17	12.31962963
	<b>Chromium</b>	Unfiltered	ND	0.223						
		Filtered	ND	ND						
	<b>Cobalt</b>	Unfiltered	ND	ND						
		Filtered	ND	ND						
	<b>Copper</b>	Unfiltered	0.00654	0.00672	0.0113	0.00851	0.0134	0.0129	0.0163	0.011102917
		Filtered	ND	0.00664	0.00878	0.0113	0.0108	0.00886	0.0126	0.008774348
	<b>Iron</b>	Unfiltered	0.204	ND	ND	ND	0.254	0.87	ND	1.1595
		Filtered	ND	0.301						
	<b>Lead</b>	Unfiltered	ND	ND						
		Filtered	ND	ND						
	<b>Magnesium</b>	Unfiltered	8.79	9.86	3.13	10.8	15.3	9.57	6.4	7.462307692
		Filtered	9.7	9.5	3.09	10.3	14.6	9.19	6.1	7.443076923
	<b>Manganese</b>	Unfiltered	0.0326	0.00987	0.0454	0.0413	0.017	0.0155	0.0273	0.036868696
		Filtered	0.00891	0.00993	0.0454	0.0422	0.0139	0.0055	0.0259	0.031305789
	<b>Mercury</b>	Unfiltered	ND	0.000367						
		Filtered	ND	9.1001045						
<b>Nickel</b>	Unfiltered	ND	ND	ND	ND	0.00919	0.00508	ND	0.007823	
	Filtered	ND	ND	ND	ND	0.00921	ND	ND	0.00763	
<b>Potassium</b>	Unfiltered	2.74	1.82	1.17	1.8	2.69	2.24	2.22	1.398041852	
	Filtered	3.12	1.82	1.19	1.82	2.57	1.92	2.11	1.447333333	
<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	11.2	5.3	6.61	8.22	16.5	10.6	18.5	7.471923077	
	Filtered	11.5	5.1	6.57	7.85	15.8	10.1	18	7.218518519	
<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	5.74	
	Filtered	ND	ND	ND	ND	ND	ND	ND	ND	
<b>Zinc</b>	Unfiltered	0.00827	0.0151	0.0178	0.0131	0.0283	0.0189	0.0208	0.01772	
	Filtered	0.006	0.016	0.0187	0.0172	0.0278	0.0159	0.0172	0.017246296	

# **Appendix E**

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

**Results in (ft. AMSL)**

# WATER TABLE ELEVATIONS OAKS LANDFILL

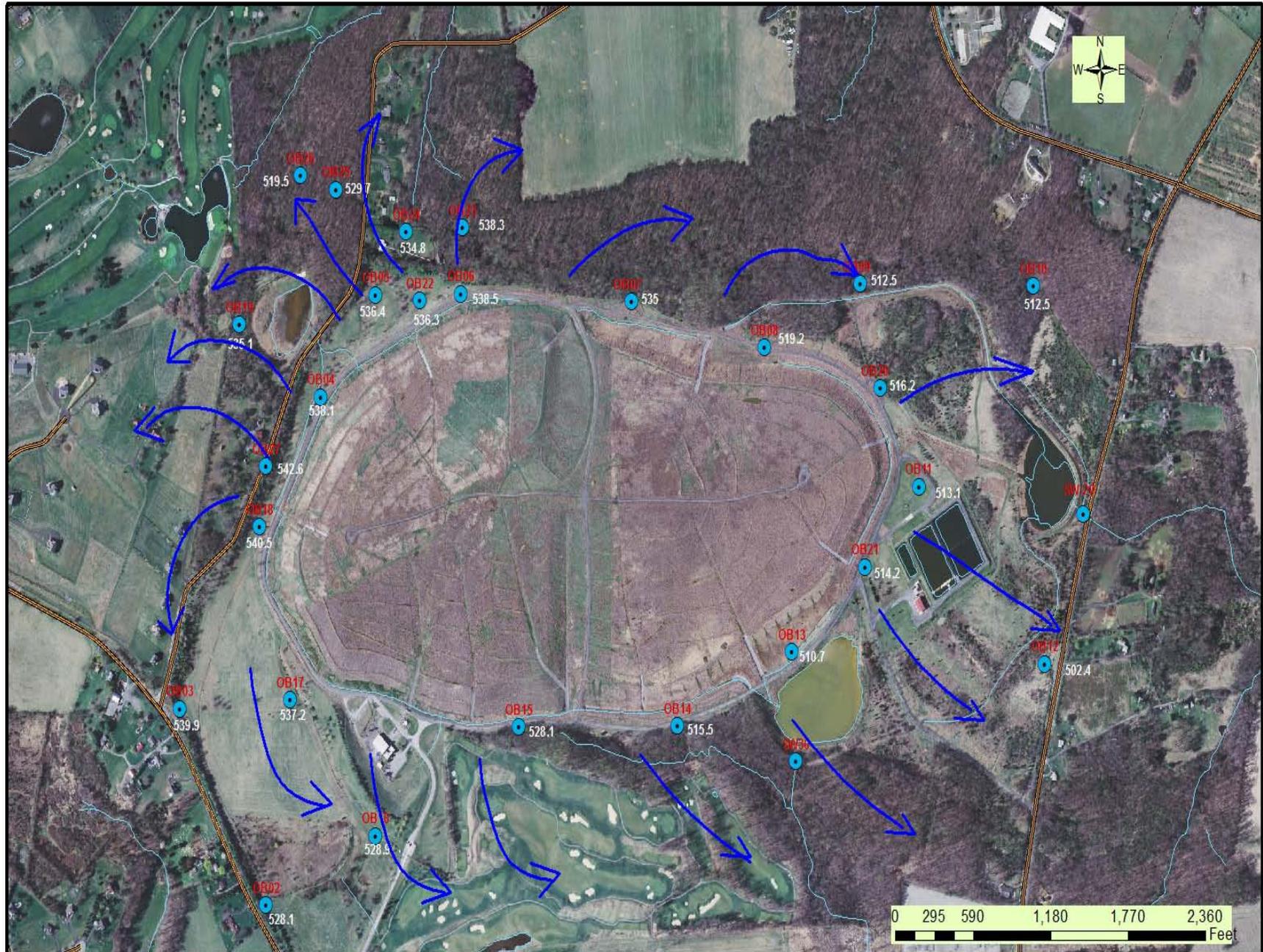
Monitoring Location	Elevation (ft)	Oct-07	May-08	Dec-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Elevation Change (ft)	Measured water Level elevations from Ground surface - April 2013
MW01	533.71	514.4	519.61	519.51	522.11	523.41	524.3	521.1	524.5	523.5	523.3	516.3	519.1	2.79	14.65
MW02	545.29	518.9	528.79	526.99	526.79	526.99	530.5	525.7	529.3	528.4	528.4	521.0	528.1	7.12	17.18
MW03	549.87	531.4	541.27	537.87	538.97	540.47	542.0	538.8	541.3	541.6	539.8	533.9	539.9	6.03	9.94
MW04	553.8	528.7	539.3	533.5	537.9	536.5	540.0	535.7	539.8	538.9	537.8	531.8	538.1	6.26	15.72
MW05	550.71	526.3	538.41	533.71	539.11	535.71	537.1	534.7	537.9	536.9	536.3	530.4	536.4	5.97	14.31
MW06	560.56	527.9	538.06	532.96	537.06	534.76	540.1	535.1	539.0	537.4	538.8	531.5	538.5	7.00	22.08
MW07	549.44	526.8	534.64	528.44	532.64	530.74	538.9	531.0	536.3	533.4	536.8	529.0	535.0	6.06	14.41
MW08	529.99	510	519.69	512.69	517.89	514.79	520.4	514.1	519.8	516.4	519.3	513.0	519.2	6.13	10.84
MW09	522.94	498.9	515.14	507.24	512.94	507.54	512.8	504.2	513.3	510.2	511.8	503.6	512.5	8.93	10.41
MW10	516.19	498.8	513.49	507.99	512.79	509.09	513.4	507.5	513.6	510.7	512.5	503.9	512.5	8.61	3.69
MW11	523.39	502.5	515.19	509.29	514.59	511.19	513.4	509.6	514.7	514.0	511.7	506.8	513.1	6.29	10.33
MW12	507.49	490.9	504.29	493.29	503.59	499.69	502.9	498.7	505.4	501.8	501.7	495.0	502.4	7.49	5.05
MW13	519.46	503.1	511.66	507.16	509.96	509.66	511.4	509.4	511.2	510.3	510.8	508.2	510.7	2.53	8.75
MW14	520.43	503	515.73	511.43	515.53	512.63	516.0	513.3	516.0	515.6	515.3	510.2	515.5	5.21	4.98
MW15	546.75	524.2	529.75	526.05	528.45	527.75	531.6	527.9	530.7	529.5	530.1	525.4	528.1	2.67	18.66
MW16	540.29	522.3	530.19	525.39	528.69	527.79	532.9	527.5	532.2	529.9	530.2	523.9	528.9	5.06	11.38
MW17	552.57	529.7	535.27	532.57	534.77	535.27	540.0	535.1	538.2	536.8	538.5	532.8	537.2	4.38	15.37
MW18A	556.4	530.5	541.6	536.3	539.1	537.5	542.7	538.1	542.2	541.7	540.8	533.6	540.5	6.90	15.86
MW19	551.87	528	536.27	533.17	535.07	534.17	536.1	533.4	536.1	535.2	535.0	525.0	535.1	10.03	16.80
MW20	523.14	504.4	NM	510.04	517.44	512.44	516.8	510.7	518.2	515.3	514.9	508.0	516.2	8.18	6.93
MW21	521.82	505.5	515.02	510.42	514.02	511.72	514.3	510.9	515.0	513.7	513.4	508.9	514.2	5.30	7.63
MW22	553.06	525	537.76	533.76	536.36	535.16	536.8	534.5	537.5	536.3	536.3	529.5	536.3	6.80	16.75
MW23	546.44	527	NM	NM	NM	NM	539.2	534.9	539.6	537.1	538.7	532.0	538.3	6.35	8.10
MW24	542.58	525.2	534.98	533.68	534.38	534.78	535.1	534.0	535.8	535.0	534.7	531.3	534.8	3.51	7.78
MW25	539.52	517.1	530.92	525.22	528.72	525.02	529.6	524.9	531.6	527.5	529.4	522.2	529.7	7.52	9.83
MW26	524.92	509.1	520.32	518.92	520.72	NM	519.2	516.9	520.8	518.7	519.1	505.6	519.5	13.93	5.43
MW27	585		NM	NM		NM	NM	NM	543.8	542.5	542.9	535.6	542.6	7.02	42.37
Average Water Table Elevation Change Since April 2012 - in feet														6.43	

NM: Not Measured

Spring 2013 Data

# Oaks Landfill Monitoring Well Locations

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



# **Appendix F**

## **Methane Gas Monitoring Results**

**Results in (%)**

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

Well #	Jan-09	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
OBO1	ND																
OBO2	ND																
OBO3	ND																
OBO4	ND																
OBO5	ND																
OBO6	ND	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