

January 28, 2016

Mr. John Hnat  
WDNR  
2300 N Dr. Martin Luther King Jr Drive  
Milwaukee, WI 53212

Call. 43  
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RECEIVED

FEB 9 2016

Initial: 

RE: Remedial Action Injection Documentation Report, Master Cleaners Remediation, 6326  
Bluemound Road, Wauwatosa, WI 53212, BRRTS # 02-41-545142

Dear Mr. Hnat:

FID 241 398630

**OBJECTIVE**

This report presents documentation of the remedial action injection completed from November 30 to December 4, 2015 at the Master Cleaners Site (Figure 1). The report includes documentation of the pre-injection groundwater chemistry results, and presents a summary of the location and amount of treatment chemical solution injected at the site.

The goal of the injection is to reduce the source of contamination at the former drycleaning facility and generate stable to decreasing groundwater chemistry results at and downgradient from the site. Post-injection groundwater sampling events will be completed starting in April 2016 to evaluate contaminant reductions and trends.

**SUMMARY OF SITE INVESTIGATION RESULTS**

**Geology/Hydrology**

The site geology consists of unconsolidated deposits to approximately 15 to 17 feet, where dolomite bedrock is encountered. Based on findings from the Site Investigation, completed by Sigma Environmental, Milwaukee, WI, the material overlying bedrock consists of approximately two to four feet of surficial silty to sandy fill, underlain by alternating silt and clay intervals. On top of the bedrock in several places several feet of saturated sand was observed.

Two borings (PZ-1 and PZ-2) were advanced into the bedrock to a depth of 35 feet using air rotary drilling methods. The bedrock is Silurian-age dolomite of the Niagara formation.

The depth to water is approximately ten feet below grade, and fluctuates by about one to two feet seasonally. The groundwater flow direction is to the north / northwest on a relatively strong horizontal gradient, and the saturated till formation has a hydraulic conductivity estimated at  $10^{-4}$  cm/sec. The calculated horizontal groundwater flow is approximately 40 feet per year. The two sets of nested wells (SMW-9 / PZ-1 and SMW-4 and PZ-2) display downward vertical hydraulic gradients.

## Monitoring Well Network

A total of 17 wells and two piezometers have been installed as part of the site investigation. The wells are located both on the site and on several surrounding properties. Locations of the wells are shown on the attached figures.

## Contaminant Receptors of Concern

The main migratory pathway of concern for this site is vapor migration in the site building and select nearby properties. The neighboring residence to the north (518 64th Street) has a basement beneath the main residence that extends to a depth of approximately eight feet below grade. Based on concentrations in groundwater monitoring wells located further downgradient, contaminated groundwater is mapped as extending beneath the basement of the residence. Sigma performed testing from the basement subslab during the site investigation in 2009 and 2010 and concluded there were no significant impacted subslab vapors beneath the building. However, migration of contaminant vapors to this structure should continue to be evaluated as the project advances.

The highest concentration of drycleaning solvent at the site is located in the saturated soil immediately above the bedrock surface next to the rear (east) door of the drycleaning building (SMW-9, 14-15', 214 mg/kg PCE). Elevated PCE levels in unsaturated soil are present beneath the Master Drycleaning building and in areas to the east, north, and south of the building (Figure 2).

Elevated groundwater concentrations containing drycleaning solvents are present in the same areas as contaminated soil, and extend off-site to the north. Groundwater contamination extends north and east as far as monitoring well SMW-14, located an estimated 110 feet north of the property, and up to 50 feet east of the site to monitoring well SMW-12.

The site and all residences nearby are connected to municipal water, which is obtained from surface water from Lake Michigan. As a result, ingestion of contaminated groundwater by nearby residences is not a contaminant migration pathway of concern.

The drycleaning business that was operating at the property recently closed, and other uses for the property and building are being considered. Future use of the building by non-drycleaning operations will necessitate testing of the subslab vapors for potential vapor contaminant migration into the building. Additional actions to address building issues prior to occupancy will be completed shortly, as a scope of work was approved by the WDNR for implementation in January 27, 2016.

## **INJECTION ACTIVITIES**

### Pre-Remedial Injection Monitoring

Because no groundwater samples had been obtained since 2009 or 2012, depending on the location, groundwater samples were obtained from all site monitoring wells in September 2015. These results will be used to establish the baseline groundwater chemistry conditions prior to the remedial injection. Laboratory analytical results are included in Attachment A, and results for VOCs are tabulated (Table A.1). Samples for VOCs were obtained from all 19 locations.

Groundwater sampling was performed using individually dedicated bailers. Field measurement of water levels and geochemical parameters, including dissolved oxygen, conductivity, pH, temperature, and oxidation reduction potential were obtained at all locations and are tabulated

(Table A.7). The field parameters were measured in the well prior to purging using a YSI multi-parameter meter. All wells were purged prior to sampling per WDNR guidance, and then sampled within 24 hours for laboratory analysis. The samples were placed in laboratory-provided sample bottles with preservative and delivered to Pace Analytical Laboratory, Green Bay, WI under chain of custody procedures.

Additional samples were taken from two wells, SMW-9 and SMW-10 for analysis of total organic carbon (TOC), sulfate, RCRA metals, dissolved iron and dissolved manganese on November 30, 2015. This sampling was completed to provide information on the pre-injection levels of these substances, as required by the injection permit. Laboratory analytical results are included in Attachment A, and results are tabulated (Table A.7).

### **Injection Permit**

The injection required approval from the WDNR prior to implementation. A generic WPDES permit was obtained from the WDNR in Madison to cover the injection process, and a site-specific permit was obtained from the WDNR southeast regional office in Milwaukee. The site-specific permit included a series of requirements for monitoring before, during, and after the injection to assess the injection process.

Part of the permit included a requirement to test for parameters not previously anticipated to be necessary for assessment, including TOC, sulfate, dissolved iron, dissolved manganese, and RCRA metals. As noted above, testing for these substances was completed at two locations immediately prior to injection to satisfy the permit requirements.

The WPDES permit includes a requirement to complete a post-injection monitoring report form, which was completed and submitted to the DNR in January 2016 (Attachment A).

### **Remedial Action Injection Activities**

Cabeno Environmental Field Services, New Lenox, IL, completed the remedial injection between the dates of November 30<sup>th</sup> and December 4<sup>th</sup>, 2015. Fehr Graham personnel were present to direct the activities and record the progress. A health and safety plan was reviewed with all personnel prior to project initiation.

The injection process typically consisted of the following activities.

- A Geoprobe rig operated by a three man crew was used to advance twenty-four boreholes (I-1 to I-24, Figure 3) to the bedrock surface at approximately 15 to 17 feet below grade. Upon reaching refusal, the rods were pulled back from the base several feet.
- A grout pump with agitating paddles was used to mix a solution containing 17 to 20 percent Provectus IR, and between 60 and 90 gallons of the mixture was pumped into each borehole.
- A total of 3200 pounds of the Provectus IR product was injected into the formation using approximately 2000 gallons of water to mix with the product. Water was supplied from a City of Wauwatosa hydrant, after a permit and meter was obtained from the City of Wauwatosa by Fehr-Graham.

The slurry was accepted by the formation at most locations, however there was some resistance to injection at some locations, and in some cases, the injected product was observed to be “daylighting” from cracks in the asphalt surface or from previously injected borings. In particular,

injection at boring I-2 resulted in significant daylighting of slurry from borehole I-8, and injection at I-14 resulted in daylighting of product from boring I-19. Product that daylighted was recaptured using shovels and re-injected using the grout pump. All of the product was successfully introduced to the subsurface.

Injection depths were typically from the borehole base to approximately eight feet below grade. Initially a three foot long steel screen was used as the injection tool, to generate side discharge of the solution. However, due to the viscosity of the mixture, the screen frequently clogged, and it was necessary to proceed with injection directly through the bottom of the drill rods.

Injection details at specific borings are shown on the Fehr-Graham Field Activities Data Sheets in Attachment B. Injection flow rates ranged from approximately one to eight gallons per minute depending on the location and the rate of acceptance of the formation.

In some cases, blowback of the injected slurry to the ground surface was observed upon completion of the injection at a borehole. To minimize this, the drill rods were left in the borehole for some time following injection, to allow for dissipation of formation pressure. Some blowback of slurry was noted at borings I-2, I-10, I-14, I-18, I-19, and I-24. At other locations, injection stalled, and it was necessary to advance a second boring adjacent to the initial hole to inject the remaining product. This occurred at borings I-2, I-6, and I-7.

Well caps were securely placed on all of the groundwater monitoring wells during injection activities, and no daylighting of injected slurry was noted in any of the groundwater monitoring wells or the monitoring well flush-mount annular spaces.

Refusal was initially observed at six inches below grade for borings I-21 through I-24. Boring I-21 was moved a significant distance south of the building to a point where the boring could finally be advanced, as shown on the Figure 3. Borings I-22, I-23, and I-24 were advanced much closer to the building, after use of a rented concrete core drill was used to penetrate the shallow buried concrete.

### **Permit-Required Injection Monitoring and Results**

Water levels were recorded before, during, and after the injection, and levels remained relatively stable in the surrounding wells. The greatest observed water elevation rise was approximately 2.6 feet at monitoring well SMW-4. Despite the rise in water level, there were no notable changes in chemistry at the time of the rise in water level. Water level readings are included on the field forms in Attachment B.

Monitoring of water levels and field water chemistry parameters included the assessment of dissolved oxygen, temperature, pH, conductivity and oxidation / reduction potential in groundwater from nearby monitoring wells. During the injection, no significant changes in the field chemistry parameters were noted, but changes were observed in the post-injection monitoring, as discussed in the section below.

Per permit requirements, monitoring of gasses, including the lower explosive limit, hydrogen sulfide gas, carbon monoxide, and oxygen, was completed at select monitoring wells, the basement of the adjacent property to the north (518 64<sup>th</sup> Street), catch basins, storm and sanitary sewer manholes, and an indoor covered manhole located close to the drycleaner machine. Monitoring locations in the 518 64<sup>th</sup> Street basement to the north consisted of two floor sumps, a large crack in the southern basement wall, and an ambient reading in the basement breathing space. Monitoring

was completed prior, during, and after injection. Fehr-Graham also monitored for volatile organic compounds using a PID in select locations.

The gasses were evaluated using a rented RAE - QRAE II Pumped (LEL/O<sub>2</sub>/H<sub>2</sub>S/CO). The meter was calibrated to 50% LEL as methane. Readings were obtained by sealing the well surface with a slip cap with a barbed fitting, which was connected to the meter using tubing. Readings at manholes and catch basins were obtained by lowering the meter tip approximately six inches to a foot into the headspace of the manhole / catch basin. The meter sampling pump was used to draw air into each meter for approximately 15-30 seconds.

Aside from the elevated levels at SMW-10 and later SMW-14 and SMW-4, most of the gas and water readings at the sampled locations displayed little to no change over the course of the injection. There were no appreciable changes observed in the gas concentrations of the headspace at the sewer and catch basins, nor in the basement of 518 64<sup>th</sup> Street.

The LEL values were noted to increase appreciably in the headspace of some wells located north of the injection area. Even during the preliminary readings, there were elevated LEL and PID readings at SMW-10, and a petroleum odor was noted. These readings decreased for the first couple days of the injection activities, but on the fourth day of injection (Dec 3), LEL levels increased at well SMW-10 to concentrations greater than 100 percent of the LEL. This was cause for concern, and per permit requirements, Fehr Graham notified the WDNR and the City of Wauwatosa Fire Department. The Fire Department indicated they would like us to monitor the basement of the adjacent house, and only call them back if the levels inside the building were above 10% of the LEL. Monitoring of the building basement was completed, with no detected LEL response.

Levels of LEL decreased later in the day on June 3 at well SMW-10, but later that day, an elevated response was noted in monitoring well SMW-14, located approximately 150 feet north of SMW-10, and adjacent to 64<sup>th</sup> Street. Monitoring of a manhole located approximately 50 feet north of SMW-14 had no detected LEL response. Monitoring continued, and approximately one hour later, the headspace vapor LEL results from well SMW-14 decreased somewhat. It is anticipated the injection activities mobilized residual petroleum that remained from the former gas station release, causing it to migrate to the north in the downgradient flow direction, and along potential utility corridors. The vapor headspace at wells SMW-10 and SMW-14 had a noticeable petroleum odor.

On June 4, the LEL meter responses were lower at all of the monitoring wells, and the injection activities were completed.

On June 7, although not required by the permit, headspace gas monitoring was performed by Fehr Graham. Unfortunately, the field notes from this event have been misplaced, but elevated responses were noted in the headspace of monitoring wells SMW-4, as well as SMW-10 and SMW-14. Due to concern for safety, the neighboring resident at 518 N. 64<sup>th</sup> Street was contacted, and arrangements made to test the basement vapors of the house, with no elevated responses detected.

### Post-Injection Monitoring

Post-injection water level, field water chemistry, and field vapor monitoring for lower explosive limit, hydrogen sulfide gas, carbon monoxide, and oxygen gas was evaluated on December 23<sup>rd</sup>, 2015. Water chemistry readings were obtained from select locations, with significant reductions in dissolved oxygen and oxidation reduction potential demonstrating the shift to reducing conditions.

For gasses, readings were obtained from approximately half of the wells on and surrounding the site. Elevated LEL responses were noted in the headspace from wells SMW-3, SMW-4, and SMW-10. However, the monitoring couldn't be completed due a meter malfunction. The malfunction was believed to have been caused by wet, rainy conditions disrupting the sensors. After letting the meter dry for around 15-30 minutes the sensors appeared to start working again, with the exception of the carbon monoxide sensor.

Based on the elevated readings, the fire department was again notified on December 23rd, and readings were obtained from the basement of the residence at 518 N. 64<sup>th</sup> Street. Since no elevated LEL meter responses were noted in the structure, the fire department did not express concern.

### Recommendations

1. As identified in the Remedial Action Plan, groundwater samples will be retained in April 2016 to evaluate the initial post-injection chemical treatment results. Groundwater samples will be retained from all nineteen groundwater monitoring points. Analysis will be performed for VOCs and field measurements will be recorded for DO, ORP, pH, and conductivity. Headspace vapor monitoring using a field PID will also be completed at this time, as well as recording the LEL and Oxygen at select locations.
2. As specified in the WDNR injection permit, in April 2016, post-injection groundwater monitoring for total organic carbon, sulfate, RCRA metals, dissolved iron, and dissolved manganese will be completed from wells SMW-9 and SMW-10.
3. Following the April sample event, a summary report will be prepared that presents the findings. It is expected up to six additional groundwater sample rounds are planned, spaced on a quarterly basis, approximately July and October 2016, and then January, April, July, and a final event in October 2017. Following each event, a brief letter report will be prepared presenting the findings. Depending on the results, some of these events may not be necessary if contaminant trends are encouraging. For these events, only select wells will be sampled, with a total of 78 VOC samples budgeted over these six events, and 24 samples will be obtained for dissolved methane, ethane, and ethene in the water. Monitoring will also include testing for field parameters D.O., ORP, pH, and conductivity on each event.
4. Although not previously specified, laboratory analytical testing of the indoor air and / or subslab vapors at some of the adjacent neighboring buildings may prove necessary to obtain case closure. The need for further assessment of the vapor migration pathway will be evaluated as the post-injection results and contaminant trends are obtained.

I trust this information meets your needs.

Sincerely,

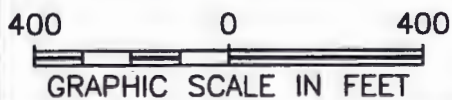
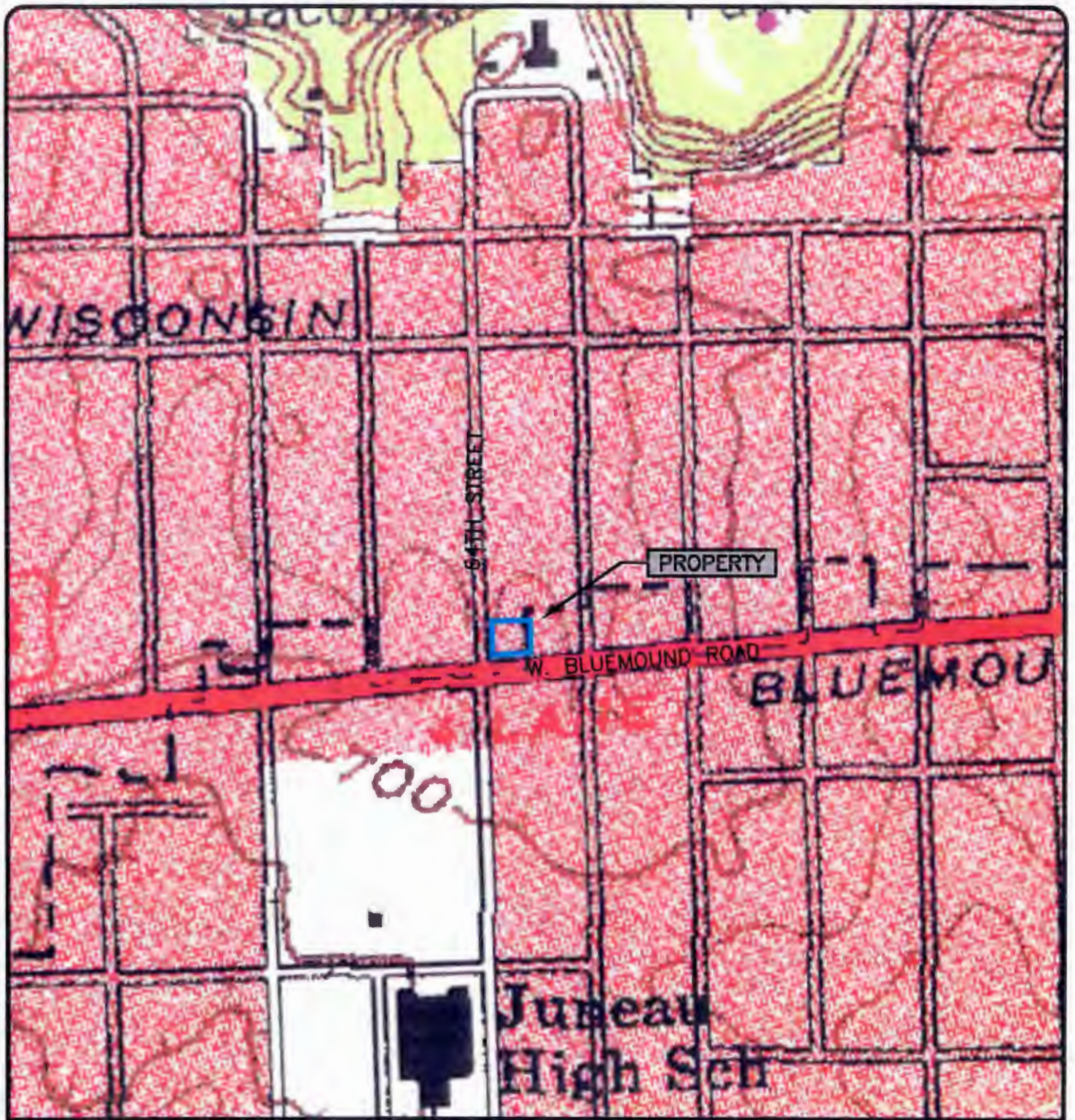


Kendrick Ebbott, P.G.  
Senior Hydrogeologist

**Attachments:** Figure 1: Site Location and Topography  
Figure 2: Pre-Injection Groundwater Chemistry  
Figure 3: Injection Points  
Figure 4: Groundwater Elevation and Flow  
Table A.1.i: Groundwater Analytical Table - VOC  
Table A.1.ii: Groundwater Analytical Table - Metals  
Table A.7: Groundwater Natural Attenuation  
A: Post-injection Monitoring Report Form  
B: Injection Field Logs  
C: Groundwater Chemistry Laboratory Analytical Results

**Cc:** Mr. Tom Shipshock, via email only  
Mr. Harold Shipshock, paper copy  
Mr. Don Gallo - Whyte, Hirschboeck, via email only

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**FEHR GRAHAM** ILLINOIS  
ENGINEERING & ENVIRONMENTAL IOWA  
WISCONSIN

MASTER DRYCLEANING INC.  
6326 W. BLUEMOUND RD.  
WAUWATOSA, WI 53213

DRWN: MKH DATE: 00/00/00 APPD: XXX

TITLE:

BASE MAP

BRRTS: 02-41-545142

JOB NO.: 15-1209

PLOT DATE: 1/14/16

FIGURE:

1

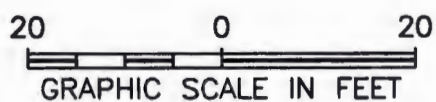
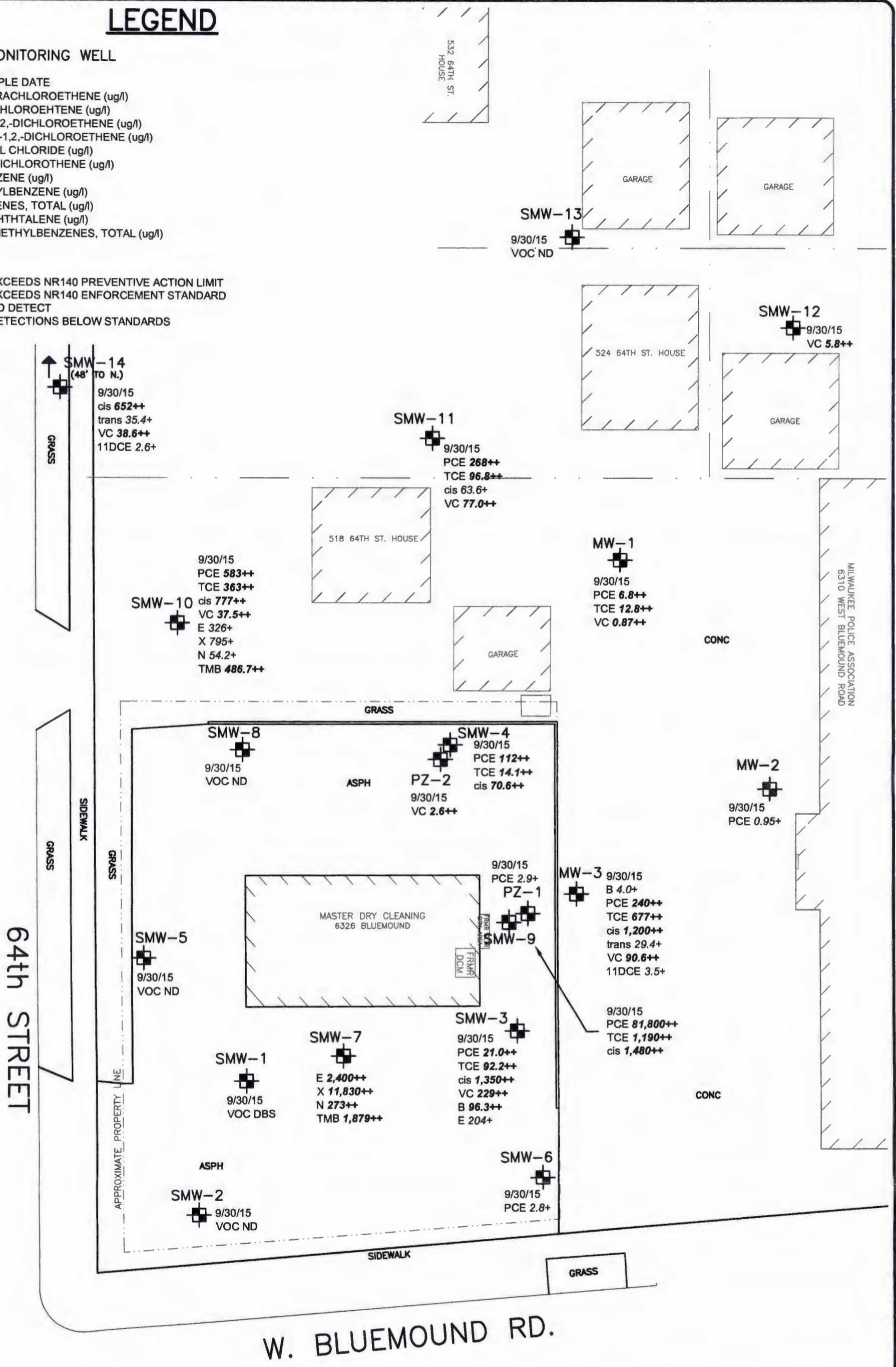


# LEGEND

MW-1  
 MONITORING WELL

9/25/15 SAMPLE DATE  
 PCE TETRACHLOROETHENE (ug/l)  
 TCE TRICHLOROETHENE (ug/l)  
 cis cis-1,2,-DICHLOROETHENE (ug/l)  
 trans trans-1,2,-DICHLOROETHENE (ug/l)  
 VC VINYL CHLORIDE (ug/l)  
 11DCE 1,1-DICHLOROETHENE (ug/l)  
 B BENZENE (ug/l)  
 E ETHYLBENZENE (ug/l)  
 X XYLENES, TOTAL (ug/l)  
 N NAPHTHALENE (ug/l)  
 TMB TRIMETHYLBENZENES, TOTAL (ug/l)

**ITALICS+** EXCEEDS NR140 PREVENTIVE ACTION LIMIT  
**BOLD++** EXCEEDS NR140 ENFORCEMENT STANDARD  
 ND NO DETECT  
 DBS DETECTIONS BELOW STANDARDS



**FEHR GRAHAM**  
 ENGINEERING & ENVIRONMENTAL  
 ILLINOIS IOWA WISCONSIN

MASTER DRYCLEANING INC.  
 6326 BLUEMOUND RD.  
 WAUWATOSA, WI 53213



DRWN: MKH DATE: 10/1/15 APPD: XXX

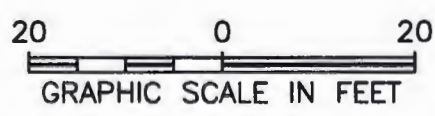
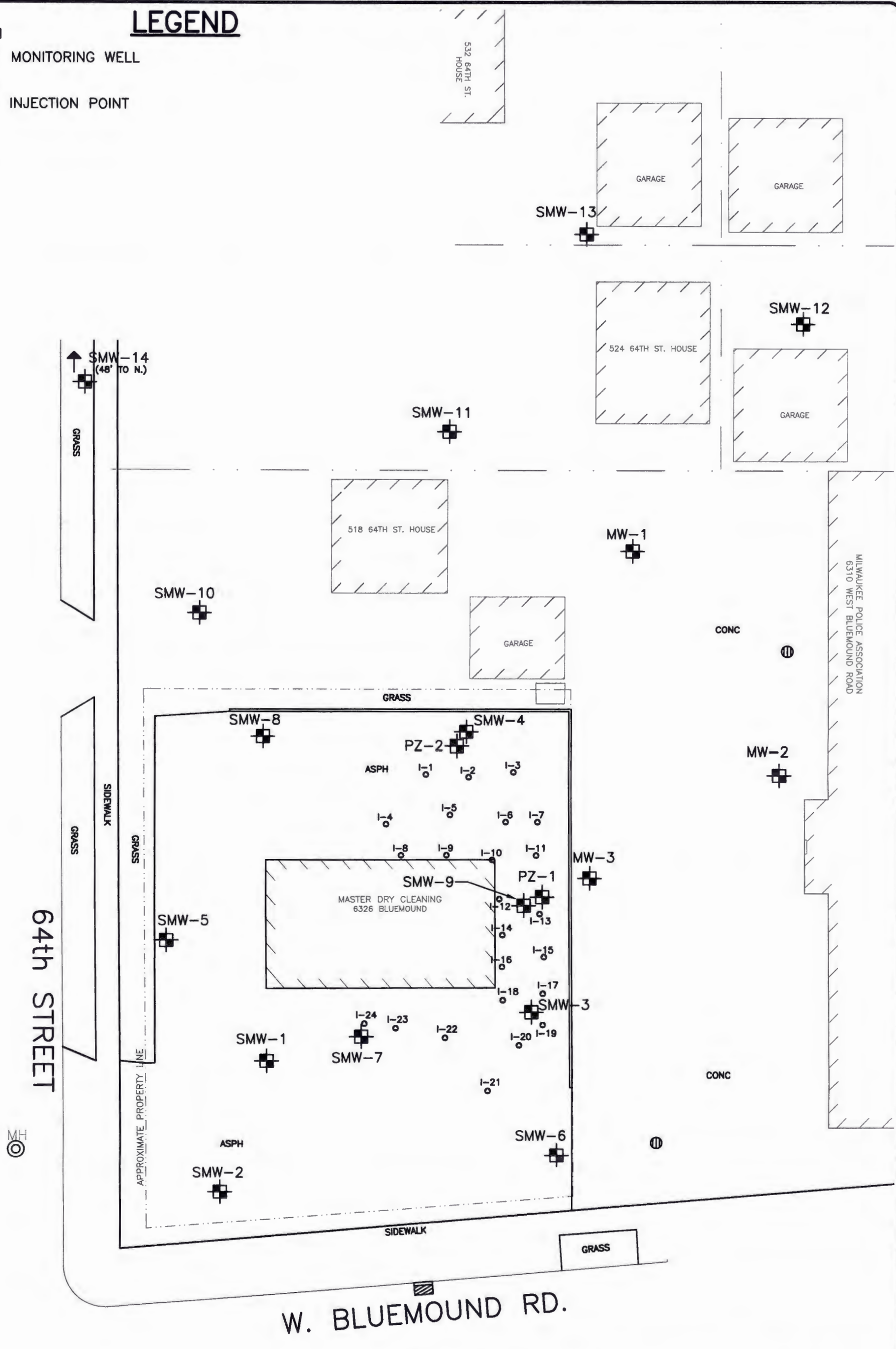
TITLE: PRE-INJECTION GROUNDWATER CHEMISTRY

BRRTS: 02-41-545142  
 JOB NO.: 15-1209  
 PLOT DATE: 1/14/16

FIGURE: 2

# LEGEND

- MW-1  MONITORING WELL
- 1-9  INJECTION POINT



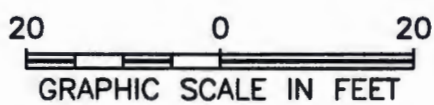
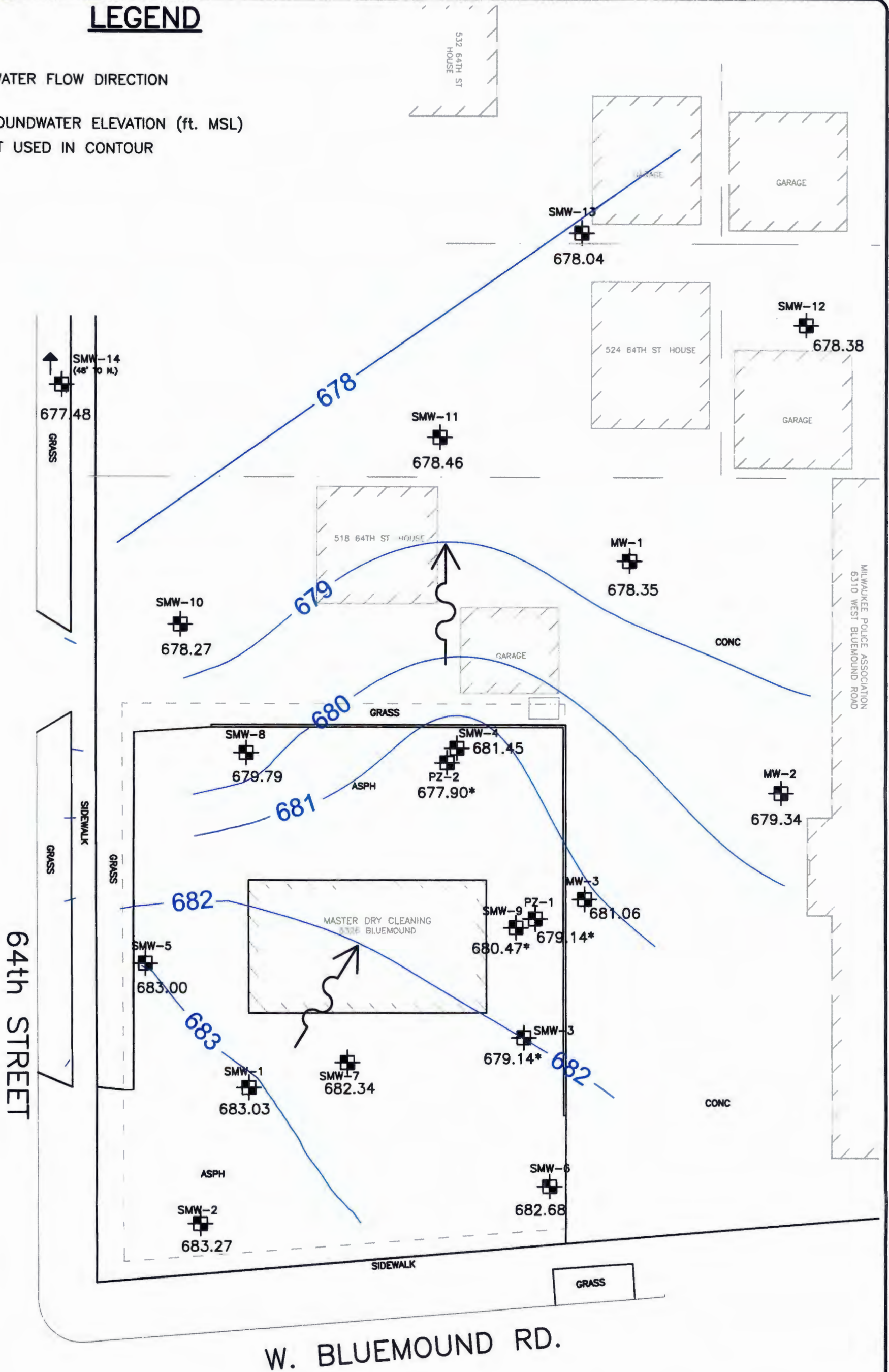
<b>FEHR GRAHAM</b> ENGINEERING & ENVIRONMENTAL ILLINOIS IOWA WISCONSIN	TITLE:	INJECTION POINTS
	MASTER DRYCLEANING INC. 6326 BLUEMOUND RD. WAUWATOSA, WI 53213	BRRTS: 02-41-545142 JOB NO.: 15-1209 PLOT DATE: 1/14/16
DRWN: MKH DATE: 10/1/15 APPD: XXX		

# LEGEND

↑ GROUNDWATER FLOW DIRECTION

678.35 GROUNDWATER ELEVATION (ft. MSL)

677.90\* NOT USED IN CONTOUR



**FEHR GRAHAM**  
ENGINEERING & ENVIRONMENTAL

ILLINOIS  
IOWA  
WISCONSIN

MASTER DRYCLEANING INC.  
6326 BLUEMOUND RD.  
WAUWATOSA, WI 53213

DRWN: MKH DATE: 00/00/00 APPD: XXX

TITLE: GROUNDWATER  
ELEVATION & FLOW  
9/30/15

BRRTS: 02-41-545142  
JOB NO.: 15-1209  
PLOT DATE: 1/14/16

FIGURE:  
4

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-1					
Date	Groundwater Elevation			12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	09/30/15
				682.46	682.06	680.92	682.05	681.43	683.03
Benzene	(ug/L)	0.5	5	<0.47	<i>0.51 J</i>	<0.47	<i>0.38 J</i>	<0.41	<0.50
Ethylbenzene	(ug/L)	140	700	<i>2.19</i>	<i>72</i>	<i>0.61 J</i>	<i>23.6</i>	<0.87	<i>23.9</i>
Toluene	(ug/L)	160	800	<0.59	<i>0.93 J</i>	<0.46	<i>0.62 J</i>	<0.51	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	<i>7.05 J</i>	<i>16.45</i>	<0.99	<i>2.47 J</i>	<2.13	<i>2.3</i>
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<i>2.3</i>
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.50
Naphthalene	(ug/L)	10	100	<2.2	<i>3.8 J</i>	<1.8	<i>2.19 J</i>	<1.7	<2.5
MTBE	(ug/L)	12	60	<0.52	<0.52	<0.52	<0.7	<0.5	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<i>1.48</i>	<i>18.5</i>	<1.2	<i>0.83 J</i>	<1.1	<i>0.91 J</i>
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<i>4.2</i>	<0.37	<0.37	<0.23	<1.5	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<i>5.68</i>	<i>18.5</i>	<1.57	<i>0.83</i>	<2.6	<i>0.91</i>
Tetrachloroethene (PCE)	(ug/L)	0.5	5	<0.52	<i>0.69 J</i>	<0.52	<i>0.60</i>	<0.42	<0.50
Trichloroethene (TCE)	(ug/L)	0.5	5	<0.44	<i>0.56 J</i>	<0.44	<0.47	<0.39	<0.33
cis-1,2-Dichloroethene	(ug/L)	7	70	<0.68	<0.68	<0.68	<0.44	<0.68	<0.26
trans-1,2-Dichloroethene	(ug/L)	20	100	<0.95	<0.95	<0.95	<0.61	<0.61	<0.26
Vinyl Chloride	(ug/L)	0.02	0.2	<0.17	<0.2	<0.2	<0.2	<0.2	<0.18
Methylene Chloride	(ug/L)	0.5	5	<0.69	<0.69	<0.69	<0.99	<1.5	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.62	<0.36	<0.36	<0.44	<0.43	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	<0.82	<0.5	<0.5	<0.3	<0.41	<0.50
Bromoform	(ug/L)	0.44	4.4	<0.3	<0.38	<0.38	<0.7	<0.46	<0.50
Bromomethane	(ug/L)	1	10	NR	NR	NR	NR	NR	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<1.1	<i>7.3</i>	<0.52	<i>1.06 J</i>	<1.5	<i>4.9</i>
sec-Butylbenzene	(ug/L)	NS	NS	<0.76	<i>8</i>	<i>0.59 J</i>	<i>1.64 J</i>	<i>0.86 J</i>	<i>7.2</i>
tert-Butylbenzene	(ug/L)	NS	NS	<0.6	<0.34	<0.34	<0.32	<0.46	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	<0.52	<0.46	<0.46	<0.3	<0.43	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.56	<0.31	<0.31	<0.39	<0.39	<0.50
Chloroethane	(ug/L)	80	400	<0.54	<0.47	<0.47	<0.97	<1.5	<0.37
Chloroform	(ug/L)	0.6	6	<0.61	<0.48	<0.48	<0.47	<0.48	<2.5
Chloromethane	(ug/L)	3	30	<1.0	<1	<1	<0.5	<0.5	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<1.1	<0.49	<0.49	<0.41	<0.37	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.62	<0.38	<0.38	<0.3	<0.63	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<2.5	<1.4	<1.4	<1.7	<2	<2.2
Dibromochloromethane	(ug/L)	6	60	<0.65	<0.32	<0.32	<0.4	<0.76	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<0.49	<0.49	<0.49	<0.76	<0.52	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	<0.69	<0.35	<0.35	<0.88	<0.66	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	<0.72	<0.3	<0.3	<0.67	<0.34	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	<0.68	<0.33	<0.33	<0.74	<0.77	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	<0.5	<0.46	<0.46	<0.76	<0.45	<0.22
1,1-Dichloroethane	(ug/L)	85	850	<0.56	<0.56	<0.56	<0.59	<0.44	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	<0.72	<0.45	<0.45	<0.41	<0.43	<0.17
1,1-Dichloroethene	(ug/L)	0.7	7	<0.3	<0.64	<0.64	<0.5	<0.47	<0.41
1,2-Dichloropropane	(ug/L)	0.5	5	<0.47	<0.47	<0.47	<0.27	<0.26	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.67	<0.39	<0.39	<0.4	<0.49	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<1.2	<0.98	<0.98	<0.53	<0.89	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	<0.50
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.71	<1.3	<1.3	<0.37	<0.32	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<2.1	<1.5	<1.5	<1.7	<1.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.99	<i>35</i>	<i>1.3 J</i>	<i>14.6</i>	<i>1.79</i>	<i>25.8</i>
p-Isopropyltoluene	(ug/L)	NS	NS	<0.81	<i>1.58</i>	<0.35	<0.77	<0.57	<i>1.3</i>
n-Propylbenzene	(ug/L)	NS	NS	<0.61	<i>100</i>	<i>2.16</i>	<i>31.5</i>	<i>2.31</i>	<i>71.4</i>
Styrene	(ug/L)	10	100	NR	NR	NR	NR	NR	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<0.65	<0.65	<0.65	<0.32	<0.54	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<0.89	<0.75	<0.75	<0.5	<0.55	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.4	<1.6	<1.6	<1.6	<1.6	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	<1.5	<1.5	<1.5	<1.1	<2.1	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	<0.5	<0.5	<0.5	<0.28	<0.46	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	<0.5	<0.5	<0.5	<0.39	<0.41	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.61	<0.61	<0.61	<0.81	<0.72	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	NR	NR	<0.50

**Notes:**  
 NS = No standard established  
 -- = Not analyzed for parameter  
 NR = Not Reported

**ITALICS** indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-2					
Date	Groundwater Elevation			12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	09/30/15
				684.09	683.74	681.92	683.66	682.89	683.27
Benzene	(ug/L)	0.5	5	<0.47	<0.47	<0.47	<0.24	<0.41	<0.50
Ethylbenzene	(ug/L)	140	700	<0.38	<0.38	<0.38	<b>0.37 J</b>	<0.87	<0.50
Toluene	(ug/L)	160	800	<0.59	<0.46	<0.46	<0.39	<0.51	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	<1.1	<0.99	<0.99	<b>1.01 J</b>	<2.13	<1.5
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.50
Naphthalene	(ug/L)	10	100	<2.2	<1.8	<1.8	<1.8	<1.7	<2.5
MTBE	(ug/L)	12	60	<0.52	<0.52	<0.52	<0.7	<0.5	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.39	<1.2	<1.2	<0.51	<1.1	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<1.2	<0.37	<0.37	<0.23	<1.5	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<1.2	<1.57	<1.57	<0.74	<2.6	<1.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	<0.52	<0.52	<0.52	<0.5	<0.42	<0.50
Trichloroethene (TCE)	(ug/L)	0.5	5	<0.44	<0.44	<0.44	<0.47	<0.39	<0.33
cis-1,2-Dichloroethene	(ug/L)	7	70	<0.68	<0.68	<0.68	<0.44	<0.68	<0.26
trans-1,2-Dichloroethene	(ug/L)	20	100	<0.95	<0.95	<0.95	<0.61	<0.61	<0.26
Vinyl Chloride	(ug/L)	0.02	0.2	<0.17	<0.2	<0.2	<0.2	<0.2	<0.18
Methylene Chloride	(ug/L)	0.5	5	<0.69	<0.69	<0.69	<0.99	<1.5	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.62	<0.36	<0.36	<0.44	<0.43	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	<0.82	<0.5	<0.5	<0.3	<0.41	<0.50
Bromoform	(ug/L)	0.44	4.4	<0.3	<0.38	<0.38	<0.7	<0.46	<0.50
Bromomethane	(ug/L)	1	10	NR	NR	NR	NR	NR	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<1.1	<0.52	<0.52	<0.55	<1.5	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.76	<0.36	<0.36	<0.73	<0.43	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.6	<0.34	<0.34	<0.32	<0.46	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	<0.52	<0.46	<0.46	<0.3	<0.43	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.56	<0.31	<0.31	<0.39	<0.39	<0.50
Chloroethane	(ug/L)	80	400	<0.54	<0.47	<0.47	<0.97	<1.5	<0.37
Chloroform	(ug/L)	0.6	6	<0.61	<0.48	<0.48	<0.47	<0.48	<2.5
Chloromethane	(ug/L)	3	30	<1.0	<1	<1	<0.5	<0.5	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<1.1	<0.49	<0.49	<0.41	<0.37	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.62	<0.38	<0.38	<0.3	<0.63	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<2.5	<1.4	<1.4	<1.7	<2	<2.2
Dibromochloromethane	(ug/L)	6	60	<0.65	<0.32	<0.32	<0.4	<0.76	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<0.49	<0.49	<0.49	<0.76	<0.52	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	<0.69	<0.35	<0.35	<0.88	<0.66	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	<0.72	<0.3	<0.3	<0.67	<0.34	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	<0.68	<0.33	<0.33	<0.74	<0.77	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	<0.5	<0.46	<0.46	<0.76	<0.45	<0.22
1,1-Dichloroethane	(ug/L)	85	850	<0.56	<0.56	<0.56	<0.59	<0.44	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	<0.72	<0.45	<0.45	<0.41	<0.43	<0.17
1,1-Dichloroethene	(ug/L)	0.7	7	<0.3	<0.64	<0.64	<0.5	<0.47	<0.41
1,2-Dichloropropane	(ug/L)	0.5	5	<0.47	<0.47	<0.47	<0.27	<0.26	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.67	<0.39	<0.39	<0.4	<0.49	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<1.2	<0.98	<0.98	<0.53	<0.89	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	<0.50
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.71	<1.3	<1.3	<0.37	<0.32	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<2.1	<1.5	<1.5	<1.7	<1.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.99	<0.48	<0.48	<0.6	<0.39	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.81	<0.35	<0.35	<0.77	<0.57	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.61	<b>0.42 J</b>	<0.38	<0.54	<0.33	<0.50
Styrene	(ug/L)	10	100	NR	NR	NR	NR	NR	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<0.65	<0.65	<0.65	<0.32	<0.54	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<0.89	<0.75	<0.75	<0.5	<0.55	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.4	<1.6	<1.6	<1.6	<1.6	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	<1.5	<1.5	<1.5	<1.1	<2.1	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	<0.5	<0.5	<0.5	<0.28	<0.46	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	<0.5	<0.5	<0.5	<0.39	<0.41	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.61	<0.61	<0.61	<0.81	<0.72	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	NR	NR	<0.50

Notes:  
 NS = No standard established  
 -- = Not analyzed for parameter  
 NR = Not Reported

**ITALICS** indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-3								
Date	12/12/06			09/25/07	12/06/07	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	
Groundwater Elevation	679.93			679.01	678.96	679.47	678.65	680.12	678.47	678.73	679.14	
Benzene	(ug/L)	0.5	5	176	308	320	175	133	590	145	144	96.3
Ethylbenzene	(ug/L)	140	700	340	142	62	148	42 J	500	65	58	204
Toluene	(ug/L)	160	800	256	26.8 J	23 J	20.2 J	11.6 J	130 J	16.9 J	30.5	31.0
Xylenes (TOTAL)	(ug/L)	400	2,000	294	86.2	<48.5	54.6 J	<42.6	685	22 J	39.8 J	31.6
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	NR	19.7 J
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	NR	11.9
Naphthalene	(ug/L)	10	100	110 J	<36	<90	<36	<34	247	18.2 J	<20	<25.0
MTBE	(ug/L)	12	60	<26	<10.4	<26	<14	<10	<24.5	<4.9	<4.7	<1.7
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	264	39 J	<60	42	<22	261	16.1 J	<14	14.0
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<60	8.2 J	<18.5	11.4 J	<30	39 J	<7.3	<13	<5.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	264	47.2	<78.5	53.4 J	<52	300	16.1 J	<14	14.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	52 J	174	126	81	13.6 J	--	--	--	21.0
Trichloroethene (TCE)	(ug/L)	0.5	5	264	313	278	274	103	--	--	--	92.2
cis-1,2-Dichloroethene	(ug/L)	7	70	870	2,400	2,250	2,040	1,740	--	--	--	1,350
trans-1,2-Dichloroethene	(ug/L)	20	100	<47.5	30 J	<47.5	<12.2	<12.2	--	--	--	15.4
Vinyl Chloride	(ug/L)	0.02	0.2	212	314	298	227	123	--	--	--	229
Methylene Chloride	(ug/L)	0.5	5	<34.5	<13.8	<34.5	<19.8	<30	--	--	--	<2.3
Bromobenzene	(ug/L)	NS	NS	<31	<7.2	<18	<8.8	<8.6	--	--	--	<2.3
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	--	--	--	<3.4
Bromodichloromethane	(ug/L)	0.06	0.6	<41	<10	<25	<6	<8.2	--	--	--	<5.0
Bromoform	(ug/L)	0.44	4.4	<15	<7.6	<19	<14	<9.2	--	--	--	<5.0
Bromomethane	(ug/L)	1	10	NR	NR	NR	NR	NR	--	--	--	<24.3
n-Butylbenzene	(ug/L)	NS	NS	<55	<10.4	<26	<11	<30	--	--	--	<5.0
sec-Butylbenzene	(ug/L)	NS	NS	<38	<7.2	<18	<14.6	<8.6	--	--	--	<21.9
tert-Butylbenzene	(ug/L)	NS	NS	<30	<6.8	<17	<6.4	<9.2	--	--	--	<1.8
Carbon Tetrachloride	(ug/L)	0.5	5	<26	<9.2	<23	<6	<8.6	--	--	--	<5.0
Chlorobenzene	(ug/L)	NS	NS	<28	<6.2	<15.5	<7.8	<7.8	--	--	--	<5.0
Chloroethane	(ug/L)	80	400	<27	<9.4	<23.5	<19.4	<30	--	--	--	<3.7
Chloroform	(ug/L)	0.6	6	<30.5	<9.6	<24	<9.4	<9.6	--	--	--	<25.0
Chloromethane	(ug/L)	3	30	<50	<20	<50	<10	<10	--	--	--	<5.0
2-Chlorotoluene	(ug/L)	NS	NS	<55	<9.8	<24.5	<8.2	<7.4	--	--	--	<5.0
4-Chlorotoluene	(ug/L)	NS	NS	<31	<7.6	<19	<6	<12.6	--	--	--	<2.1
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<125	<28	<70	<34	<40	--	--	--	<21.6
Dibromochloromethane	(ug/L)	6	60	<32.5	<6.4	<16	<8	<15.2	--	--	--	<5.0
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<24.5	<9.8	<24.5	<15.2	<10.4	--	--	--	<1.8
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	--	--	--	<4.3
1,2-Dichlorobenzene	(ug/L)	60	600	<34.5	<7	<17.5	<17.6	<13.2	--	--	--	<5.0
1,3-Dichlorobenzene	(ug/L)	120	600	<36	<6	<15	<13.4	<6.8	--	--	--	<5.0
1,4-Dichlorobenzene	(ug/L)	15	75	<34	<6.6	<16.5	<14.8	<15.4	--	--	--	<5.0
Dichlorodifluoromethane	(ug/L)	200	1,000	<25	<9.2	<23	<15.2	<9	--	--	--	<2.2
1,1-Dichloroethane	(ug/L)	85	850	<28	<11.2	<28	<11.8	<8.8	--	--	--	<2.4
1,2-Dichloroethane	(ug/L)	0.5	5	<36	31.4	<22.5	<8.2	<8.6	--	--	--	<1.7
1,1-Dichloroethene	(ug/L)	0.7	7	<15	<12.8	<32	<10	<9.4	--	--	--	7.5 J
1,2-Dichloropropane	(ug/L)	0.5	5	<23.5	<9.4	<23.5	<5.4	<5.2	--	--	--	<2.3
1,3-Dichloropropane	(ug/L)	NS	NS	<33.5	<7.8	<19.5	<8	<9.8	--	--	--	<5.0
2,2-Dichloropropane	(ug/L)	NS	NS	<60	<19.6	<49	<10.6	<17.8	--	--	--	<4.8
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	--	--	--	<4.4
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	--	--	--	<5.0
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	--	--	--	<2.3
Diisopropyl ether	(ug/L)	NS	NS	<35.5	<26	<65	<7.4	<6.4	--	--	--	<5.0
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<105	<30	<75	<34	<30	--	--	--	<21.1
Isopropylbenzene	(ug/L)	NS	NS	<49.5	<9.6	<24	<12	<7.8	--	--	--	20.7
p-Isopropyltoluene	(ug/L)	NS	NS	<40.5	<7	<17.5	<15.4	<11.4	--	--	--	<5.0
n-Propylbenzene	(ug/L)	NS	NS	57 J	<7.6	<19	14 J	<6.6	--	--	--	41.7
Styrene	(ug/L)	10	100	NR	NR	NR	NR	NR	--	--	--	<5.0
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<32.5	<13	<32.5	<6.4	<10.8	--	--	--	<1.8
1,1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<44.5	<15	<37.5	<10	<11	--	--	--	<2.5
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<70	<32	<80	<32	<32	--	--	--	<21.3
1,2,4-Trichlorobenzene	(ug/L)	14	70	<75	<30	<75	<22	<42	--	--	--	<22.1
1,1,1-Trichloroethane	(ug/L)	40	200	<25	<10	<25	<5.6	<9.2	--	--	--	<5.0
1,1,2-Trichloroethane	(ug/L)	0.5	5	<25	<10	<25	<7.8	<8.2	--	--	--	<2.0
Trichlorofluoromethane	(ug/L)	NS	NS	<30.5	<12.2	<30.5	<16.2	<14.4	--	--	--	<1.8
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	NR	NR	--	--	--	<5.0

**Notes:**  
 NS = No standard established  
 -- = Not analyzed for parameter  
 NR = Not Reported

**ITALICS** indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-4						
Date	Groundwater Elevation			12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15
				680.23	678.83	678.71	678.97	678.34	679.17	681.45
Benzene	(ug/L)	0.5	5	<23.5	<9.4	<9.4	<12	<8.2	1.28 J	<0.50
Ethylbenzene	(ug/L)	140	700	<19	<7.6	<7.6	107	39 J	<0.98	<0.50
Toluene	(ug/L)	160	800	<29.5	<9.2	<9.2	254	88	<0.89	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	<55	<19.4	<19.8	411	165	2.06 J	<1.5
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.50
Naphthalene	(ug/L)	10	100	<110	<36	<36	<90	<34	<2	<2.5
MTBE	(ug/L)	12	60	<26	<10.4	<10.4	<35	<10	<0.47	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<19.5	<24	<24	36 J	<22	<1.4	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<60	<7.4	<7.4	13.5 J	<30	<1.3	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<60	<31.4	<31.4	49.5	<52	<1.4	<1.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	670	610	560	560	460	--	112
Trichloroethene (TCE)	(ug/L)	0.5	5	340	540	430	400	330	--	14.1
cis-1,2-Dichloroethene	(ug/L)	7	70	1,460	1,730	1,900	5,600	2,530	--	70.6
trans-1,2-Dichloroethene	(ug/L)	20	100	84 J	105	89	123	77	--	4.6
Vinyl Chloride	(ug/L)	0.02	0.2	11.5 J	11.8 J	13.4	44	16	--	<0.18
Methylene Chloride	(ug/L)	0.5	5	<34.5	<13.8	<13.8	<49.5	<30	--	<0.23
Bromobenzene	(ug/L)	NS	NS	<31	<7.2	<7.2	<22	<8.6	--	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	--	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	<41	<10	<10	<15	<8.2	--	<0.50
Bromoform	(ug/L)	0.44	4.4	<15	<7.6	<7.6	<35	<9.2	--	<0.50
Bromomethane	(ug/L)	1	10	NR	NR	NR	NR	NR	--	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<55	<10.4	<10.4	<27.5	<30	--	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<38	<7.2	<7.2	<36.5	<8.6	--	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<30	<6.8	<6.8	<16	<9.2	--	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	<26	<9.2	<9.2	<15	<8.6	--	<0.50
Chlorobenzene	(ug/L)	NS	NS	<28	<6.2	<6.2	<19.5	<7.8	--	<0.50
Chloroethane	(ug/L)	80	400	<27	<9.4	<9.4	<48.5	<30	--	<0.37
Chloroform	(ug/L)	0.6	6	<30.5	<9.6	<9.6	<23.5	<9.6	--	<2.5
Chloromethane	(ug/L)	3	30	<50	<20	<20	<25	<10	--	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<55	<9.8	<9.8	<20.5	<7.4	--	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<31	<7.6	<7.6	<15	<12.6	--	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<125	<28	<28	<85	<40	--	<2.2
Dibromochloromethane	(ug/L)	6	60	<32.5	<6.4	<6.4	<20	<15.2	--	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<24.5	<9.8	<9.8	<38	<10.4	--	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	--	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	<34.5	<7	<7	<44	<13.2	--	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	<36	<6	<6	<33.5	<6.8	--	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	<34	<6.6	<6.6	<37	<15.4	--	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	<25	<9.2	<9.2	<38	<9	--	<0.22
1,1-Dichloroethane	(ug/L)	85	850	<28	<11.2	<11.2	<29.5	<8.8	--	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	<36	<9	<9	<20.5	<8.6	--	<0.17
1,1-Dichloroethene	(ug/L)	0.7	7	<15	<12.8	<12.8	<25	10 J	--	0.42 J
1,2-Dichloropropane	(ug/L)	0.5	5	<23.5	<9.4	<9.4	<13.5	<5.2	--	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<33.5	<7.8	<7.8	<20	<9.8	--	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<60	<19.6	<19.6	<26.5	<17.8	--	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	--	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	--	<0.50
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	--	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<35.5	<26	<26	<18.5	<6.4	--	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<105	<30	<30	<85	<30	--	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<49.5	<9.6	<9.6	<30	<7.8	--	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<40.5	<7	<7	<38.5	<11.4	--	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<30.5	<7.6	<7.6	<27	<6.6	--	<0.50
Styrene	(ug/L)	10	100	NR	NR	NR	NR	NR	--	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<32.5	<13	<13	<16	<10.8	--	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<44.5	<15	<15	<25	<11	--	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<70	<32	<32	<80	<32	--	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	<75	<30	<30	<55	<42	--	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	<25	<10	<10	<14	<9.2	--	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	<25	<10	<10	<19.5	<8.2	--	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<30.5	<12.2	<12.2	<40.5	<14.4	--	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	NR	NR	--	<0.50

Notes:  
 NS = No standard established  
 -- = Not analyzed for parameter  
 NR = Not Reported

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit  
 BOLD indicates exceedance of NR 140.10 Enforcement Standard

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-5					
Date	12/12/06			09/25/07	12/06/07	09/09/08	08/18/09	09/30/15	
Groundwater Elevation	682.85			681.25	680.57	681.43	680.57	683.00	
Benzene	(ug/L)	0.5	5	<0.47	<0.47	<0.47	<0.24	<0.41	<0.50
Ethylbenzene	(ug/L)	140	700	<0.38	<0.38	<0.38	<0.35	<0.87	<0.50
Toluene	(ug/L)	160	800	<0.59	<0.46	<0.46	<b>0.44 J</b>	<0.51	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	<1.1	<0.99	<0.99	<1.67	<2.13	<1.5
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.50
Naphthalene	(ug/L)	10	100	<2.2	<1.8	<1.8	<1.8	<1.7	<2.5
MTBE	(ug/L)	12	60	<0.52	<0.52	<0.52	<0.7	<0.5	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.39	<1.2	<1.2	<0.51	<1.1	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<1.2	<0.37	<0.37	<0.23	<1.5	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<1.2	<1.57	<1.57	<0.74	<2.6	<1.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	<0.52	<0.52	<0.52	<b>0.53 J</b>	<0.42	<0.50
Trichloroethene (TCE)	(ug/L)	0.5	5	<0.44	<0.44	<0.44	<0.47	<0.39	<0.33
cis-1,2-Dichloroethene	(ug/L)	7	70	<0.68	<0.68	<0.68	<0.44	<0.68	<0.26
trans-1,2-Dichloroethene	(ug/L)	20	100	<0.95	<0.95	<0.95	<0.61	<0.61	<0.26
Vinyl Chloride	(ug/L)	0.02	0.2	<0.17	<0.2	<0.2	<0.2	<0.2	<0.18
Methylene Chloride	(ug/L)	0.5	5	<0.69	<0.69	<0.69	<0.99	<1.5	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.62	<0.36	<0.36	<0.44	<0.43	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	<0.82	<0.5	<0.5	<0.3	<0.41	<0.50
Bromoform	(ug/L)	0.44	4.4	<0.3	<0.38	<0.38	<0.7	<0.46	<0.50
Bromomethane	(ug/L)	1	10	NR	NR	NR	NR	NR	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<1.1	<0.52	<0.52	<0.55	<1.5	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.76	<0.36	<0.36	<0.73	<0.43	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.6	<0.34	<0.34	<0.32	<0.46	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	<0.52	<0.46	<0.46	<0.3	<0.43	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.56	<0.31	<0.31	<0.39	<0.39	<0.50
Chloroethane	(ug/L)	80	400	<0.54	<0.47	<0.47	<0.97	<1.5	<0.37
Chloroform	(ug/L)	0.6	6	<0.61	<0.48	<0.48	<0.47	<0.48	<2.5
Chloromethane	(ug/L)	3	30	<1.0	<1	<1	<0.5	<0.5	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<1.1	<0.49	<0.49	<0.41	<0.37	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.62	<0.38	<0.38	<0.3	<0.63	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<2.5	<1.4	<1.4	<1.7	<2	<2.2
Dibromochloromethane	(ug/L)	6	60	<0.65	<0.32	<0.32	<0.4	<0.76	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<0.49	<0.49	<0.49	<0.76	<0.52	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	<0.69	<0.35	<0.35	<0.88	<0.66	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	<0.72	<0.3	<0.3	<0.67	<0.34	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	<0.68	<0.33	<0.33	<0.74	<0.77	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	<0.5	<0.46	<0.46	<0.76	<0.45	<0.22
1,1-Dichloroethane	(ug/L)	85	850	<0.56	<0.56	<0.56	<0.59	<0.44	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	<0.72	<0.45	<0.45	<0.41	<0.43	<0.17
1,1-Dichloroethene	(ug/L)	0.7	7	<0.3	<0.64	<0.64	<0.5	<0.47	<0.41
1,2-Dichloropropane	(ug/L)	0.5	5	<0.47	<0.47	<0.47	<0.27	<0.26	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.67	<0.39	<0.39	<0.4	<0.49	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<1.2	<0.98	<0.98	<0.53	<0.89	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	<0.50
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.71	<1.3	<1.3	<0.37	<0.32	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<2.1	<1.5	<1.5	<1.7	<1.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.99	<0.48	<0.48	<0.6	<0.39	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.81	<0.35	<0.35	<0.77	<0.57	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.61	<0.38	<0.38	<0.54	<0.33	<0.50
Styrene	(ug/L)	10	100	NR	NR	NR	NR	NR	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<0.65	<0.65	<0.65	<0.32	<0.54	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<0.89	<0.75	<0.75	<0.5	<0.55	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.4	<1.6	<1.6	<1.6	<1.6	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	<1.5	<1.5	<1.5	<1.1	<2.1	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	<0.5	<0.5	<0.5	<0.28	<0.46	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	<0.5	<0.5	<0.5	<0.39	<0.41	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.61	<0.61	<0.61	<0.81	<0.72	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	NR	NR	<0.50

**Notes:**  
 NS = No standard established  
 -- = Not analyzed for parameter  
 NR = Not Reported

**ITALICS** indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard



Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-6				
Date	09/25/07			12/06/07	09/09/08	08/18/09	09/30/15	
Groundwater Elevation				681.81	681.91	682.33	681.61	682.68
Benzene	(ug/L)	0.5	5	<0.47	<0.47	<0.24	<0.41	<0.50
Ethylbenzene	(ug/L)	140	700	<0.38	<0.38	<0.35	<0.87	<0.50
Toluene	(ug/L)	160	800	<0.46	<0.46	<0.39	<0.51	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	<0.99	<0.99	<1.67	<2.13	<1.5
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	<0.50
Naphthalene	(ug/L)	10	100	<1.8	<1.8	<1.8	<1.7	<2.5
MTBE	(ug/L)	12	60	<0.52	<0.52	<0.7	<0.5	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<1.2	<1.2	<0.51	<1.1	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.37	<0.37	<0.23	<1.5	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<1.57	<1.57	<0.74	<2.6	<1.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	<b>0.72 J</b>	<0.52	<b>1.33 J</b>	<b>1.94</b>	<b>2.8</b>
Trichloroethene (TCE)	(ug/L)	0.5	5	<b>0.51 J</b>	<0.44	<0.47	<0.39	<0.33
cis-1,2-Dichloroethene	(ug/L)	7	70	<b>7.6</b>	<b>1.64 J</b>	<0.44	<0.68	<0.26
trans-1,2-Dichloroethene	(ug/L)	20	100	<0.95	<0.95	<0.61	<0.61	<0.26
Vinyl Chloride	(ug/L)	0.02	0.2	<b>0.4 J</b>	<0.2	<0.2	<0.2	<0.18
Methylene Chloride	(ug/L)	0.5	5	<0.69	<0.69	<0.99	<1.5	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.36	<0.36	<0.44	<0.43	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	<0.5	<0.5	<0.3	<0.41	<0.50
Bromoform	(ug/L)	0.44	4.4	<0.38	<0.38	<0.7	<0.46	<0.50
Bromomethane	(ug/L)	1	10	NR	NR	NR	NR	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.52	<0.52	<0.55	<1.5	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.36	<0.36	<0.73	<0.43	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.34	<0.34	<0.32	<0.46	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	<0.46	<0.46	<0.3	<0.43	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.31	<0.31	<0.39	<0.39	<0.50
Chloroethane	(ug/L)	80	400	<0.47	<0.47	<0.97	<1.5	<0.37
Chloroform	(ug/L)	0.6	6	<0.48	<0.48	<0.47	<0.48	<2.5
Chloromethane	(ug/L)	3	30	<1	<1	<0.5	<0.5	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<0.49	<0.49	<0.41	<0.37	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.38	<0.38	<0.3	<0.63	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<1.4	<1.4	<1.7	<2	<2.2
Dibromochloromethane	(ug/L)	6	60	<0.32	<0.32	<0.4	<0.76	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<0.49	<0.49	<0.76	<0.52	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	<0.35	<0.35	<0.88	<0.66	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	<0.3	<0.3	<0.67	<0.34	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	<0.33	<0.33	<0.74	<0.77	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	<0.46	<0.46	<0.76	<0.45	<0.22
1,1-Dichloroethane	(ug/L)	85	850	<0.56	<0.56	<0.59	<0.44	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	<0.45	<0.45	<0.41	<0.43	<0.17
1,1-Dichloroethene	(ug/L)	0.7	7	<0.64	<0.64	<0.5	<0.47	<0.41
1,2-Dichloropropane	(ug/L)	0.5	5	<0.47	<0.47	<0.27	<0.26	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.39	<0.39	<0.4	<0.49	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.98	<0.98	<0.53	<0.89	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	<0.50
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<1.3	<1.3	<0.37	<0.32	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<1.5	<1.5	<1.7	<1.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.48	<0.48	<0.6	<0.39	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.35	<0.35	<0.77	<0.57	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.38	<0.38	<0.54	<0.33	<0.50
Styrene	(ug/L)	10	100	NR	NR	NR	NR	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<0.65	<0.65	<0.32	<0.54	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<0.75	<0.75	<0.5	<0.55	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.6	<1.6	<1.6	<1.6	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	<1.5	<1.5	<1.1	<2.1	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	<0.5	<0.5	<0.28	<0.46	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	<0.5	<0.5	<0.39	<0.41	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.61	<0.61	<0.81	<0.72	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	NR	<0.50

Notes:  
 NS = No standard established  
 -- = Not analyzed for parameter  
 NR = Not Reported

**ITALICS** indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-7							
Date	Groundwater Elevation			09/25/07	12/06/07	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15
				681.13	680.41	681.45	680.81	683.43	680.24	681.80	682.34
Benzene	(ug/L)	0.5	5	<b>99</b>	<b>46 J</b>	<b>18 J</b>	<20.5	<20	<20	<24.5	<20.0
Ethylbenzene	(ug/L)	140	700	<b>2,750</b>	<b>2,070</b>	<b>3,500</b>	<b>2,960</b>	<b>2,490</b>	<b>2,570</b>	<b>2,760</b>	<b>2,400</b>
Toluene	(ug/L)	160	800	<b>1,460</b>	<b>1,800</b>	<b>860</b>	<b>610</b>	<b>400</b>	<b>420</b>	<b>234</b>	<b>70.3</b>
Xylenes (TOTAL)	(ug/L)	400	2,000	<b>14,300</b>	<b>9,800</b>	<b>15,900</b>	<b>12,800</b>	<b>11,800</b>	<b>11,500</b>	<b>12,400</b>	<b>11,830</b>
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	9,050
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	2,780
Naphthalene	(ug/L)	10	100	<b>188 J</b>	<b>109 J</b>	<b>400</b>	<b>340</b>	<b>390</b>	<b>360</b>	<b>410</b>	<b>273</b>
MTBE	(ug/L)	12	60	<26	<26	<35	<25	<24.5	<24.5	<23.5	<7.0
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<b>1,370</b>	<b>810</b>	<b>2,090</b>	<b>1,360</b>	<b>1,400</b>	<b>1,420</b>	<b>1,730</b>	<b>1,530</b>
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<b>310</b>	<b>234</b>	<b>550</b>	<b>304</b>	<b>380</b>	<b>380</b>	<b>510</b>	<b>349</b>
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<b>1,680</b>	<b>1,044</b>	<b>2,640</b>	<b>1,664</b>	<b>1,780</b>	<b>1,800</b>	<b>2,240</b>	<b>1,879</b>
Tetrachloroethene (PCE)	(ug/L)	0.5	5	<26	<26	<25	<21	--	--	--	<20.0
Trichloroethene (TCE)	(ug/L)	0.5	5	<22	<22	<23.5	<19.5	--	--	--	<13.2
cis-1,2-Dichloroethene	(ug/L)	7	70	<34	<34	<22	<34	--	--	--	<10.2
trans-1,2-Dichloroethene	(ug/L)	20	100	<47.5	<47.5	<30.5	<30.5	--	--	--	<10.3
Vinyl Chloride	(ug/L)	0.02	0.2	<10	<10	<10	<10	--	--	--	<7.0
Methylene Chloride	(ug/L)	0.5	5	<34.5	<34.5	<49.5	<75	--	--	--	<9.3
Bromobenzene	(ug/L)	NS	NS	<18	<18	<22	<21.5	--	--	--	<9.2
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	--	--	--	<13.6
Bromodichloromethane	(ug/L)	0.06	0.6	<25	<25	<15	<20.5	--	--	--	<20.0
Bromoform	(ug/L)	0.44	4.4	<19	<19	<35	<23	--	--	--	<20.0
Bromomethane	(ug/L)	1	10	NR	NR	NR	NR	--	--	--	<97.4
n-Butylbenzene	(ug/L)	NS	NS	<26	<26	<b>53 J</b>	<75	--	--	--	<20.0
sec-Butylbenzene	(ug/L)	NS	NS	<18	<18	<36.5	<21.5	--	--	--	<87.4
tert-Butylbenzene	(ug/L)	NS	NS	<17	<17	<16	<23	--	--	--	<7.2
Carbon Tetrachloride	(ug/L)	0.5	5	<23	<23	<15	<21	--	--	--	<20.0
Chlorobenzene	(ug/L)	NS	NS	<15.5	<15.5	<19.5	<19.5	--	--	--	<20.0
Chloroethane	(ug/L)	80	400	<23.5	<23.5	<48.5	<75	--	--	--	<15.0
Chloroform	(ug/L)	0.6	6	<24	<24	<23.5	<24	--	--	--	<100
Chloromethane	(ug/L)	3	30	<50	<50	<25	<25	--	--	--	<20.0
2-Chlorotoluene	(ug/L)	NS	NS	<24.5	<24.5	<20.5	<18.5	--	--	--	<20.0
4-Chlorotoluene	(ug/L)	NS	NS	<19	<19	<15	<31.5	--	--	--	<8.5
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<70	<70	<85	<100	--	--	--	<86.6
Dibromochloromethane	(ug/L)	6	60	<16	<16	<20	<38	--	--	--	<20.0
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<24.5	<24.5	<38	<26	--	--	--	<7.1
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	--	--	--	<17.1
1,2-Dichlorobenzene	(ug/L)	60	600	<17.5	<17.5	<44	<33	--	--	--	<20.0
1,3-Dichlorobenzene	(ug/L)	120	600	<15	<15	<33.5	<17	--	--	--	<20.0
1,4-Dichlorobenzene	(ug/L)	15	75	<16.5	<16.5	<37	<38.5	--	--	--	<20.0
Dichlorodifluoromethane	(ug/L)	200	1,000	<23	<23	<38	<22.5	--	--	--	<9.0
1,1-Dichloroethane	(ug/L)	85	850	<28	<28	<29.5	<22	--	--	--	<9.7
1,2-Dichloroethane	(ug/L)	0.5	5	<22.5	<22.5	<20.5	<21.5	--	--	--	<6.7
1,1-Dichloroethene	(ug/L)	0.7	7	<32	<32	<25	<23.5	--	--	--	<16.4
1,2-Dichloropropane	(ug/L)	0.5	5	<23.5	<23.5	<13.5	<13	--	--	--	<9.3
1,3-Dichloropropane	(ug/L)	NS	NS	<19.5	<19.5	<20	<24.5	--	--	--	<20.0
2,2-Dichloropropane	(ug/L)	NS	NS	<49	<49	<26.5	<44.5	--	--	--	<19.4
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	--	--	--	<17.6
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	--	--	--	<20.0
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	--	--	--	<9.2
Diisopropyl ether	(ug/L)	NS	NS	<65	<65	<18.5	<16	--	--	--	<20.0
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<75	<75	<85	<75	--	--	--	<84.2
Isopropylbenzene	(ug/L)	NS	NS	<b>57 J</b>	<b>48 J</b>	<b>108</b>	<b>75</b>	--	--	--	<b>49.7</b>
p-Isopropyltoluene	(ug/L)	NS	NS	<17.5	<17.5	<38.5	<28.5	--	--	--	<20.0
n-Propylbenzene	(ug/L)	NS	NS	<b>121</b>	<b>110</b>	<b>300</b>	<b>220</b>	--	--	--	<b>119</b>
Styrene	(ug/L)	10	100	NR	NR	NR	NR	--	--	--	<20.0
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<32.5	<32.5	<16	<27	--	--	--	<7.2
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<37.5	<37.5	<25	<27.5	--	--	--	<10
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<80	<80	<80	<80	--	--	--	<85.3
1,2,4-Trichlorobenzene	(ug/L)	14	70	<75	<75	<55	<105	--	--	--	<88.4
1,1,1-Trichloroethane	(ug/L)	40	200	<25	<25	<14	<23	--	--	--	<20.0
1,1,2-Trichloroethane	(ug/L)	0.5	5	<25	<25	<19.5	<20.5	--	--	--	<7.9
Trichlorofluoromethane	(ug/L)	NS	NS	<30.5	<30.5	<40.5	<36	--	--	--	<7.4
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	NR	--	--	--	<20.0

**Notes:**  
 NS = No standard established  
 -- = Not analyzed for parameter  
 NR = Not Reported

**ITALICS** indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-8							
				Date	09/25/07	12/06/07	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12
Groundwater Elevation				679.30	679.08	679.36	678.90	681.62	678.60	679.76	679.97
Benzene	(ug/L)	0.5	5	2,560	2,050	770	141	0.94 J	32	6.0	<0.50
Ethylbenzene	(ug/L)	140	700	112	95	68	17.6 J	1.34 J	3.5	3.4	<0.50
Toluene	(ug/L)	160	800	193	52 J	64	<10.2	1.33 J	3.2	13.3	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	1,394	280	188 J	78.2 J	4.48 J	5.08 J	4.3 J	<1.5
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	<0.50
Naphthalene	(ug/L)	10	100	<90	<90	90 J	54 J	<1.2	1.92 J	<2	<2.5
MTBE	(ug/L)	12	60	<26	<26	<35	<10	<0.49	<0.49	<0.47	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	880	224	238	39 J	8.8	6.5	17	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	262	70	81	<30	5.4	<0.73	1.74 J	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	1,142	294	319	39	14.2	6.5	18.74	<1.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	<26	<26	<25	<8.4	--	--	--	<0.50
Trichloroethene (TCE)	(ug/L)	0.5	5	<22	<22	<23.5	<7.8	--	--	--	<0.33
cis-1,2-Dichloroethene	(ug/L)	7	70	<34	<34	<22	<13.6	--	--	--	2.0
trans-1,2-Dichloroethene	(ug/L)	20	100	<47.5	<47.5	<30.5	<12.2	--	--	--	<0.26
Vinyl Chloride	(ug/L)	0.02	0.2	<10	<10	<10	<4	--	--	--	<0.18
Methylene Chloride	(ug/L)	0.5	5	<34.5	<34.5	<49.5	<30	--	--	--	<0.23
Bromobenzene	(ug/L)	NS	NS	<18	<18	<22	<8.6	--	--	--	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	--	--	--	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	<25	<25	<15	<8.2	--	--	--	<0.50
Bromoform	(ug/L)	0.44	4.4	<19	<19	<35	<9.2	--	--	--	<0.50
Bromomethane	(ug/L)	1	10	NR	NR	NR	NR	--	--	--	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<26	<26	<27.5	<30	--	--	--	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<18	<18	<36.5	<8.6	--	--	--	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<17	<17	<16	<9.2	--	--	--	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	<23	<23	<15	<8.6	--	--	--	<0.50
Chlorobenzene	(ug/L)	NS	NS	<15.5	<15.5	<19.5	<7.8	--	--	--	<0.50
Chloroethane	(ug/L)	80	400	<23.5	<23.5	<48.5	<30	--	--	--	<0.37
Chloroform	(ug/L)	0.6	6	<24	<24	<23.5	<9.6	--	--	--	<2.5
Chloromethane	(ug/L)	3	30	<50	<50	<25	<10	--	--	--	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<24.5	<24.5	<20.5	<7.4	--	--	--	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<19	<19	<15	<12.6	--	--	--	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<70	<70	<85	<40	--	--	--	<2.2
Dibromochloromethane	(ug/L)	6	60	<16	<16	<20	<15.2	--	--	--	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<24.5	<24.5	<38	<10.4	--	--	--	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	--	--	--	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	<17.5	<17.5	<44	<13.2	--	--	--	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	<15	<15	<33.5	<6.8	--	--	--	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	<16.5	<16.5	<37	<15.4	--	--	--	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	<23	<23	<38	<9	--	--	--	<0.22
1,1-Dichloroethane	(ug/L)	85	850	<28	<28	<29.5	<8.8	--	--	--	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	<22.5	<22.5	<20.5	<8.6	--	--	--	<0.17
1,1-Dichloroethene	(ug/L)	0.7	7	<32	<32	<25	<9.4	--	--	--	<0.41
1,2-Dichloropropane	(ug/L)	0.5	5	<23.5	<23.5	<13.5	<5.2	--	--	--	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<19.5	<19.5	<20	<9.8	--	--	--	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<49	<49	<26.5	<17.8	--	--	--	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	--	--	--	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	--	--	--	<0.50
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	--	--	--	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<65	<65	<18.5	<6.4	--	--	--	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<75	<75	<85	<30	--	--	--	<2.1
Isopropylbenzene	(ug/L)	NS	NS	60 "J"	<24	<30	<7.8	--	--	--	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<17.5	<17.5	<38.5	<11.4	--	--	--	<0.50
n-Propylbenzene	(ug/L)	NS	NS	94	44 "J"	64 "J"	<6.6	--	--	--	<0.50
Styrene	(ug/L)	10	100	NR	NR	NR	NR	--	--	--	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<32.5	<32.5	<16	<10.8	--	--	--	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<37.5	<37.5	<25	<11	--	--	--	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<80	<80	<80	<32	--	--	--	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	<75	<75	<55	<42	--	--	--	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	<25	<25	<14	<9.2	--	--	--	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	<25	<25	<19.5	<8.2	--	--	--	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<30.5	<30.5	<40.5	<14.4	--	--	--	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	NR	--	--	--	<0.50

Notes:  
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ITALICS indicates exceedance of NR 140.10 Preventive Action Limit  
 BOLD indicates exceedance of NR 140.10 Enforcement Standard

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-10						SMW-11		
Date	09/09/08			08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	09/09/08	08/18/09	09/30/15	
Groundwater Elevation	678.23			677.94	680.07	677.51	678.29	678.27	678.76	678.13	678.46	
Benzene	(ug/L)	0.5	5	<b>24.5 J</b>	<20.5	<4	<b>6.1</b>	<b>3.6</b>	<5.0	<4.8	<8.2	<0.50
Ethylbenzene	(ug/L)	140	700	<b>2,470</b>	<b>105 J</b>	<b>12 J</b>	<b>296</b>	<b>390</b>	<b>326</b>	<7	<17.4	<0.50
Toluene	(ug/L)	160	800	<b>1,140</b>	<b>53 J</b>	<b>37</b>	<b>65</b>	<b>120</b>	<b>65.5</b>	<7.8	<10.2	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	<b>8,730</b>	<b>699</b>	<b>90</b>	<b>770</b>	<b>1,237</b>	<b>795</b>	<33.4	<42.6	<1.5
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<b>688</b>	NR	NR	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<b>107</b>	NR	NR	<0.50
Naphthalene	(ug/L)	10	100	<b>312</b>	<85	<12	<b>61</b>	<b>107</b>	<b>54.2</b>	<36	<34	<2.5
MTBE	(ug/L)	12	60	<35	<25	<4.9	<0.49	<0.47	<1.7	<14	<10	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<b>1,880</b>	<b>270</b>	<b>27.2</b>	<b>370</b>	<b>490</b>	<b>454</b>	<b>10.6 J</b>	<22	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<b>470</b>	<b>84 J</b>	<b>16.7 J</b>	<b>57</b>	<b>131</b>	<b>32.7</b>	<4.6	<30	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<b>2,350</b>	<b>354</b>	<b>43.9</b>	<b>427</b>	<b>621</b>	<b>486.7</b>	<b>10.6</b>	<52	<1.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	<b>7,700</b>	<b>440</b>	--	--	--	<b>583</b>	<b>266</b>	<b>205</b>	<b>268</b>
Trichloroethene (TCE)	(ug/L)	0.5	5	<b>139</b>	<19.5	--	--	--	<b>363</b>	<b>220</b>	<b>133</b>	<b>96.8</b>
cis-1,2-Dichloroethene	(ug/L)	7	70	<22	<34	--	--	--	<b>777</b>	<b>90</b>	<b>57</b>	<b>63.6</b>
trans-1,2-Dichloroethene	(ug/L)	20	100	<30.5	<30.5	--	--	--	<b>14.2</b>	<12.2	<12.2	<0.26
Vinyl Chloride	(ug/L)	0.02	0.2	<10	<10	--	--	--	<b>37.5</b>	<4	<4	<b>77.0</b>
Methylene Chloride	(ug/L)	0.5	5	<49.5	<75	--	--	--	<2.3	<19.8	<30	<0.23
Bromobenzene	(ug/L)	NS	NS	<22	<21.5	--	--	--	<2.3	<8.8	<8.6	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	--	--	--	<3.4	NR	NR	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	<15	<20.5	--	--	--	<5.0	<6	<8.2	<0.50
Bromoform	(ug/L)	0.44	4.4	<35	<23	--	--	--	<5.0	<14	<9.2	<0.50
Bromomethane	(ug/L)	1	10	NR	NR	--	--	--	<24.3	NR	NR	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<b>66 J</b>	<75	--	--	--	<b>6.1 J</b>	<11	<30	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<36.5	<21.5	--	--	--	<21.9	<14.6	<8.6	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<16	<23	--	--	--	<1.8	<6.4	<9.2	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	<15	<21	--	--	--	<5.0	<6	<8.6	<0.50
Chlorobenzene	(ug/L)	NS	NS	<19.5	<19.5	--	--	--	<5.0	<7.8	<7.8	<0.50
Chloroethane	(ug/L)	80	400	<48.5	<75	--	--	--	<3.7	<19.4	<30	<0.37
Chloroform	(ug/L)	0.6	6	<23.5	<24	--	--	--	<25.0	<9.4	<9.6	<2.5
Chloromethane	(ug/L)	3	30	<25	<25	--	--	--	<5.0	<10	<10	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<20.5	<18.5	--	--	--	<5.0	<8.2	<7.4	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<15	<31.5	--	--	--	<2.1	<6	<12.6	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<85	<100	--	--	--	<21.6	<34	<40	<2.2
Dibromochloromethane	(ug/L)	6	60	<20	<38	--	--	--	<5.0	<8	<15.2	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<38	<26	--	--	--	<1.8	<15.2	<10.4	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	--	--	--	<4.3	NR	NR	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	<44	<33	--	--	--	<0.50	<17.6	<13.2	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	<33.5	<17	--	--	--	<5.0	<13.4	<6.8	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	<37	<38.5	--	--	--	<5.0	<14.8	<15.4	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	<38	<22.5	--	--	--	<2.2	<15.2	<9	<0.22
1,1-Dichloroethane	(ug/L)	85	850	<29.5	<22	--	--	--	<2.4	<11.8	<8.8	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	<20.5	<21.5	--	--	--	<1.7	<8.2	<8.6	<0.17
1,1-Dichloroethene	(ug/L)	0.7	7	<25	<23.5	--	--	--	<4.1	<10	<9.4	<0.41
1,2-Dichloropropane	(ug/L)	0.5	5	<13.5	<13	--	--	--	<2.3	<5.4	<5.2	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<20	<24.5	--	--	--	<5.0	<8	<9.8	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<26.5	<44.5	--	--	--	<4.8	<10.6	<17.8	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	--	--	--	<4.4	NR	NR	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	--	--	--	<5.0	NR	NR	<0.50
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	--	--	--	<2.3	NR	NR	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<18.5	<16	--	--	--	<5.0	<7.4	<6.4	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<85	<75	--	--	--	<21.1	<34	<30	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<b>130</b>	<b>20 J</b>	--	--	--	<b>18.8</b>	<12	<7.8	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<38.5	<28.5	--	--	--	<5.0	<15.4	<11.4	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<b>360</b>	<b>40 J</b>	--	--	--	<b>40.9</b>	<10.8	<6.6	<0.50
Styrene	(ug/L)	10	100	NR	NR	--	--	--	<5.0	NR	NR	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<16	<27	--	--	--	<1.8	<6.4	<10.8	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<25	<27.5	--	--	--	<2.5	<10	<11	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<80	<80	--	--	--	<21.3	<32	<32	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	<55	<105	--	--	--	<22.1	<22	<42	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	<14	<23	--	--	--	<5.0	<5.6	<9.2	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	<19.5	<20.5	--	--	--	<2.0	<7.8	<8.2	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<40.5	<36	--	--	--	<1.8	<16.2	<14.4	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	--	--	--	<5.0	NR	NR	<0.50

**Notes:**  
 NS = No standard established  
 -- = Not analyzed for parameter  
 NR = Not Reported

**ITALICS** indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-9					
Date	09/25/07			12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	
Groundwater Elevation	678.95			678.85	679.39	678.60	679.08	680.47	
Benzene	(ug/L)	0.5	5	<23.5	<235	<120	<82	42 J	<500
Ethylbenzene	(ug/L)	140	700	279	<190	<175	226 J	64 J	<500
Toluene	(ug/L)	160	800	<23	<230	<195	<102	92	<500
Xylenes (TOTAL)	(ug/L)	400	2,000	90 J	<485	<835	<426	<55	<1,500
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<1,000
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<500
Naphthalene	(ug/L)	10	100	<90	<900	<900	<340	<105	<2,500
MTBE	(ug/L)	12	60	<26	<260	<350	<100	<40	<174
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	147 J	<600	<225	<220	<40	<500
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	256	<185	<115	<300	<37	<500
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	403	<785	<335	<520	<40	<1,000
Tetrachloroethene (PCE)	(ug/L)	0.5	5	39,800	28,800	44,000	162,000	23,000	81,800
Trichloroethene (TCE)	(ug/L)	0.5	5	8,100	6,200	4,000	5,000	2,860	1,190
cis-1,2-Dichloroethene	(ug/L)	7	70	6,000	7,900	6,500	7,700	6,100	1,480
trans-1,2-Dichloroethene	(ug/L)	20	100	175	<475	<305	218 J	297	<257
Vinyl Chloride	(ug/L)	0.02	0.2	58	255 J	185 J	258	146	<176
Methylene Chloride	(ug/L)	0.5	5	<34.5	<345	<495	<300	<55	<233
Bromobenzene	(ug/L)	NS	NS	<18	<180	<220	<86	<37	<230
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<340
Bromodichloromethane	(ug/L)	0.06	0.6	<25	<250	<150	<82	<34	<500
Bromoform	(ug/L)	0.44	4.4	<19	<190	<350	<92	<21.5	<500
Bromomethane	(ug/L)	1	10	NR	NR	NR	NR	NR	<2,430
n-Butylbenzene	(ug/L)	NS	NS	34 J	<260	<275	<300	<45	<500
sec-Butylbenzene	(ug/L)	NS	NS	<18	<180	<365	<86	<50	<2,190
tert-Butylbenzene	(ug/L)	NS	NS	<17	<170	<160	<92	<35.5	<180
Carbon Tetrachloride	(ug/L)	0.5	5	<23	<230	<150	<86	<23.5	<500
Chlorobenzene	(ug/L)	NS	NS	<15.5	<155	<195	<78	<25.5	<500
Chloroethane	(ug/L)	80	400	<23.5	<235	<485	<300	<70	<375
Chloroform	(ug/L)	0.6	6	<24	<240	<235	<96	<24.5	<2,500
Chloromethane	(ug/L)	3	30	<50	<500	<250	<100	<95	<500
2-Chlorotoluene	(ug/L)	NS	NS	<24.5	<245	<205	<74	<35	<500
4-Chlorotoluene	(ug/L)	NS	NS	<19	<190	<150	<126	<22	<214
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<70	<700	<850	<400	<140	<2,160
Dibromochloromethane	(ug/L)	6	60	<16	<160	<200	<152	<27.5	<500
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<24.5	<245	<380	<104	<31.5	<178
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<427
1,2-Dichlorobenzene	(ug/L)	60	600	<17.5	<175	<440	<132	<38	<500
1,3-Dichlorobenzene	(ug/L)	120	600	<15	<150	<35	<68	<43.5	<500
1,4-Dichlorobenzene	(ug/L)	15	75	<16.5	<165	<370	<154	<49	<500
Dichlorodifluoromethane	(ug/L)	200	1,000	<23	<230	<380	<90	<90	<224
1,1-Dichloroethane	(ug/L)	85	850	<28	<280	<295	<88	<49	<242
1,2-Dichloroethane	(ug/L)	0.5	5	<22.5	<225	<205	<86	<25	<168
1,1-Dichloroethene	(ug/L)	0.7	7	<32	<320	<250	<94	<30	<410
1,2-Dichloropropane	(ug/L)	0.5	5	<23.5	<235	<135	<52	<20	<233
1,3-Dichloropropane	(ug/L)	NS	NS	<19.5	<195	<200	<98	<35.5	<500
2,2-Dichloropropane	(ug/L)	NS	NS	<49	<490	<265	<178	<95	<484
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<441
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	<500
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	<230
Diisopropyl ether	(ug/L)	NS	NS	<65	<650	<185	<64	<34.5	<500
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<75	<750	<850	<300	<110	<2,110
Isopropylbenzene	(ug/L)	NS	NS	100	<240	<300	<78	<46	<143
p-Isopropyltoluene	(ug/L)	NS	NS	<17.5	<175	<385	<114	<46	<500
n-Propylbenzene	(ug/L)	NS	NS	306	195 J	<270	132 J	52 J	<500
Styrene	(ug/L)	10	100	NR	NR	NR	NR	NR	<500
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<32.5	<325	<160	<108	<50	<181
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<37.5	<375	<250	<110	<26.5	<249
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<80	<800	<800	<320	<65	<2,130
1,2,4-Trichlorobenzene	(ug/L)	14	70	<75	<750	<550	<420	<75	<2,210
1,1,1-Trichloroethane	(ug/L)	40	200	<25	<250	<140	<92	<42.5	<500
1,1,2-Trichloroethane	(ug/L)	0.5	5	<25	<250	<195	<82	<23.5	<197
Trichlorofluoromethane	(ug/L)	NS	NS	<30.5	<305	<405	<144	<85	<185
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	NR	NR	<500

**Notes:**  
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 -- = Not analyzed for parameter  
 NR = Not Reported

**ITALICS** indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-12			SMW-13			SMW-14	
Date	09/09/03			08/18/09	09/30/15	08/18/09	01/10/12	09/30/15	08/18/09	09/30/15	
Groundwater Elevation				678.64	677.78	678.38	677.63	678.08	678.04	677.27	677.48
Benzene	(ug/L)	0.5	5	<0.24	<0.41	<0.50	<0.41	<0.5	<0.50	<2.05	<0.50
Ethylbenzene	(ug/L)	140	700	<0.35	<0.87	<0.50	<0.87	<0.78	<0.50	<4.35	<0.50
Toluene	(ug/L)	160	800	<0.39	<0.51	<0.50	<0.51	<0.53	<0.50	<2.55	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	<1.67	<2.13	<1.5	<2.13	<1.1	<1.5	<10.65	<1.5
m&p-Xylene	(ug/L)	NS	NS	NR	NR	<1.0	NR	NR	<1.0	NR	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	<0.50	NR	NR	<0.50	NR	<0.50
Naphthalene	(ug/L)	10	100	<1.8	<1.7	<2.5	<1.7	<2.1	<2.5	<8.5	<2.5
MTBE	(ug/L)	12	60	<0.7	<0.5	<0.17	<0.5	<0.8	<0.17	<2.5	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.51	<1.1	<0.50	<1.1	<0.8	<0.50	<5.5	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.23	<1.5	<0.50	<1.5	<0.74	<0.50	<7.5	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<0.74	<2.6	<1.0	<2.6	<0.8	<1.0	<13	<1.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	<b>0.75</b>	<0.42	<0.50	<0.42	<0.44	<0.50	<2.1	<0.50
Trichloroethene (TCE)	(ug/L)	0.5	5	<0.47	<0.39	<0.33	<0.39	<0.47	<0.33	<1.95	<0.33
cis-1,2-Dichloroethene	(ug/L)	7	70	<0.44	<0.68	<b>1.9</b>	<0.68	<0.74	<0.26	<b>151</b>	<b>652</b>
trans-1,2-Dichloroethene	(ug/L)	20	100	<0.61	<0.61	<0.26	<0.61	<0.79	<0.26	<b>15.5</b>	<b>35.4</b>
Vinyl Chloride	(ug/L)	0.02	0.2	<b>0.59</b>	<b>1.2</b>	<b>5.8</b>	<0.2	<0.18	<0.18	<b>32</b>	<b>38.6</b>
Methylene Chloride	(ug/L)	0.5	5	<0.99	<1.5	<0.23	<1.5	<1.1	<0.23	<7.5	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.44	<0.43	<0.23	<0.43	<0.74	<0.23	<2.15	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	<0.34	NR	NR	<0.34	NR	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	<0.3	<0.41	<0.50	<0.41	<0.68	<0.50	<2.05	<0.50
Bromoform	(ug/L)	0.44	4.4	<0.7	<0.46	<0.50	<0.46	<0.43	<0.50	<2.3	<0.50
Bromomethane	(ug/L)	1	10	NR	NR	<2.4	NR	NR	<2.4	NR	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.55	<1.5	<0.50	<1.5	<0.9	<0.50	<7.5	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.73	<0.43	<2.2	<0.43	<1	<2.2	<2.15	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.32	<0.46	<0.18	<0.46	<0.71	<0.18	<2.3	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	<0.31	<0.43	<0.50	<0.43	<0.47	<0.50	<2.15	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.39	<0.39	<0.50	<0.39	<0.51	<0.50	<1.95	<0.50
Chloroethane	(ug/L)	80	400	<0.97	<1.5	<0.37	<1.5	<1.4	<0.37	<7.5	<0.37
Chloroform	(ug/L)	0.6	6	<0.47	<0.48	<2.5	<0.48	<0.49	<2.5	<2.4	<2.5
Chloromethane	(ug/L)	3	30	<0.5	<0.5	<0.50	<0.5	<1.9	<0.50	<2.5	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<0.41	<0.37	<0.50	<0.37	<0.7	<0.50	<1.85	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.3	<0.63	<0.21	<0.63	<0.44	<0.21	<3.15	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<1.7	<2	<2.2	<2	<2.8	<2.2	<10	<2.2
Dibromochloromethane	(ug/L)	6	60	<0.4	<0.76	<0.50	<0.76	<0.55	<0.50	<3.8	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<0.76	<0.52	<0.18	<0.52	<0.63	<0.18	<2.6	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	<0.43	NR	NR	<0.43	NR	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	<0.38	<0.66	<0.50	<0.66	<0.76	<0.50	<3.3	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	<0.57	<0.34	<0.50	<0.34	<0.87	<0.50	<1.7	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	<0.74	<0.77	<0.50	<0.77	<0.98	<0.50	<3.85	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	<0.76	<0.45	<0.22	<0.45	<1.8	<0.22	<2.25	<0.22
1,1-Dichloroethane	(ug/L)	85	850	<0.59	<0.44	<0.24	<0.44	<0.98	<0.24	<2.2	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	<0.41	<0.43	<0.17	<0.43	<0.5	<0.17	<2.15	<b>0.49</b>
1,1-Dichloroethene	(ug/L)	0.7	7	<0.5	<0.47	<0.41	<0.47	<0.6	<0.41	<2.35	<b>2.6</b>
1,2-Dichloropropane	(ug/L)	0.5	5	<0.27	<0.26	<0.23	<0.26	<0.4	<0.23	<1.3	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.4	<0.49	<0.50	<0.49	<0.71	<0.50	<2.45	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.53	<0.89	<0.48	<0.89	<1.8	<0.48	<4.45	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	<0.44	NR	NR	<0.44	NR	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	<0.50	NR	NR	<0.50	NR	<0.50
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	<0.23	NR	NR	<0.23	NR	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.37	<0.32	<0.50	<0.32	<0.69	<0.50	<1.6	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<0.7	<1.5	<2.1	<1.5	<2.2	<2.1	<7.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.6	<0.39	<0.14	<0.39	<0.92	<0.14	<1.95	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.77	<0.57	<0.50	<0.57	<0.92	<0.50	<2.85	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.54	<0.33	<0.50	<0.33	<0.59	<0.50	<1.65	<0.50
Styrene	(ug/L)	10	100	NR	NR	<0.50	NR	NR	<0.50	NR	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<0.32	<0.54	<0.18	<0.54	<1	<0.18	<2.7	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<0.5	<0.55	<0.25	<0.55	<0.53	<0.25	<2.75	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.6	<1.6	<2.1	<1.6	<1.3	<2.1	<8	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	<1.1	<2.1	<2.2	<2.1	<1.5	<2.2	<10.5	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	<0.28	<0.46	<0.50	<0.46	<0.85	<0.50	<2.3	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	<0.39	<0.41	<0.20	<0.41	<0.47	<0.20	<2.05	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.81	<0.72	<0.18	<0.72	<1.7	<0.18	<3.6	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	<0.50	NR	NR	<0.50	NR	<0.50

**Notes:**  
 NS = No standard established  
 -- = Not analyzed for parameter  
 NR = Not Reported

**ITALICS** indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	PZ-1				PZ-2				
Date	12/06/07			09/09/08	08/18/09	09/30/15	09/09/08	08/18/09	07/01/10	10/29/10	09/30/15	
Groundwater Elevation				678.96	679.89	668.34	679.68	678.11	677.76	678.93	677.52	677.90
Benzene	(ug/L)	0.5	5	<0.47	<0.24	<0.41	<0.50	2.56	<2.05	<0.4	<0.4	<0.50
Ethylbenzene	(ug/L)	140	700	<0.38	<0.35	<0.87	<0.50	<0.35	<4.35	<0.65	<0.65	<0.50
Toluene	(ug/L)	160	800	<0.46	<0.39	<0.51	<0.50	<0.39	<2.55	<0.86	<0.86	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	<0.99	<1.67	<2.13	<1.5	<1.67	<10.65	<2.15	<2.15	<1.5
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	<1.0	NR	NR	NR	NR	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	<0.50	NR	NR	NR	NR	<0.50
Naphthalene	(ug/L)	10	100	<1.8	<1.8	<1.7	<2.5	<1.8	<8.5	<1.2	<1.2	<2.5
MTBE	(ug/L)	12	60	<0.52	<0.7	<0.5	<0.17	<0.7	<2.5	<0.49	<0.49	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<1.2	<0.51	<1.1	<0.50	<0.51	<5.5	<0.76	<0.76	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.37	<0.23	<1.5	<0.50	<0.23	<7.5	<0.73	<0.73	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<1.57	<0.74	<2.6	<1.0	<0.74	<13	<1.49	<1.49	<1.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	1.12 J	37	4.3	2.9	<0.5	<2.1	--	--	<0.50
Trichloroethene (TCE)	(ug/L)	0.5	5	0.56 J	1.81	0.96 J	<0.33	<0.47	<1.95	--	--	<0.33
cis-1,2-Dichloroethene	(ug/L)	7	70	8.3	9.5	7.7	0.36 J	148	79	--	--	6.3
trans-1,2-Dichloroethene	(ug/L)	20	100	<0.95	<0.61	<0.61	<0.26	3.06	3.5 J	--	--	<0.26
Vinyl Chloride	(ug/L)	0.02	0.2	2.09	<0.2	<0.2	<0.18	116	15.5	--	--	2.6
Methylene Chloride	(ug/L)	0.5	5	<0.69	<0.99	<1.5	<0.23	<0.99	<7.5	--	--	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.36	<0.44	<0.43	<0.23	<0.44	<2.15	--	--	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	<0.34	NR	NR	--	--	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	<0.5	<0.3	<0.41	<0.50	<0.3	<2.05	--	--	<0.50
Bromoform	(ug/L)	0.44	4.4	<0.38	<0.7	<0.46	<0.50	<0.7	<2.3	--	--	<0.50
Bromomethane	(ug/L)	1	10	NR	NR	NR	<2.4	NR	NR	--	--	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.52	<0.55	<1.5	<0.50	<0.55	<7.5	--	--	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.36	<0.73	<0.43	<2.2	<0.73	<2.15	--	--	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.34	<0.32	<0.46	<0.18	<0.32	<2.3	--	--	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	<0.46	<0.3	<0.43	<0.50	<0.3	<2.15	--	--	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.31	<0.39	<0.39	<0.50	<0.39	<1.95	--	--	<0.50
Chloroethane	(ug/L)	80	400	<0.47	<0.97	<1.5	<0.37	<0.97	<7.5	--	--	<0.37
Chloroform	(ug/L)	0.6	6	<0.48	<0.47	<0.48	<2.5	<0.47	<2.4	--	--	<2.5
Chloromethane	(ug/L)	3	30	<1	<0.5	<0.5	<0.50	<0.5	<2.5	--	--	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<0.49	<0.41	<0.37	<0.50	<0.41	<1.85	--	--	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.38	<0.3	<0.63	<0.21	<0.3	<3.15	--	--	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<1.4	<1.7	<2	<2.2	<1.7	<10	--	--	<2.2
Dibromochloromethane	(ug/L)	6	60	<0.32	<0.4	<0.76	<0.50	<0.4	<3.8	--	--	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<0.49	<0.76	<0.52	<0.18	<0.76	<2.6	--	--	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	<0.43	NR	NR	--	--	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	<0.35	<0.88	<0.66	<0.50	<0.88	<3.3	--	--	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	<0.3	<0.67	<0.34	<0.50	<0.67	<1.7	--	--	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	<0.33	<0.74	<0.77	<0.50	<0.74	<3.85	--	--	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	<0.46	<0.76	<0.45	<0.22	<0.76	<2.25	--	--	<0.22
1,1-Dichloroethane	(ug/L)	85	850	<0.56	<0.59	<0.44	<0.24	<0.59	<2.2	--	--	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	<0.45	<0.41	<0.43	<0.17	<0.41	<2.15	--	--	<0.17
1,1-Dichloroethene	(ug/L)	0.7	7	<0.64	<0.5	<0.47	<0.41	<0.5	<2.35	--	--	<0.41
1,2-Dichloropropane	(ug/L)	0.5	5	<0.47	<0.27	<0.26	<0.23	<0.27	<1.3	--	--	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.39	<0.4	<0.49	<0.50	<0.4	<2.45	--	--	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.98	<0.53	<0.89	<0.48	<0.53	<4.45	--	--	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	<0.44	NR	NR	--	--	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	<0.50	NR	NR	--	--	<0.50
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	<0.23	NR	NR	--	--	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<1.3	<0.37	<0.32	<0.50	<0.37	<1.6	--	--	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<1.5	<1.7	<1.5	<2.1	<1.7	<7.5	--	--	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.48	<0.6	<0.39	<0.14	<0.6	<1.95	--	--	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.35	<0.77	<0.57	<0.50	<0.77	<2.85	--	--	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.38	0.55 J	<0.33	<0.50	<0.54	<1.65	--	--	<0.50
Styrene	(ug/L)	10	100	NR	NR	NR	<0.50	NR	NR	--	--	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<0.65	<0.32	<0.54	<0.18	<0.32	<2.7	--	--	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<0.75	<0.5	<0.55	<0.25	<0.5	<2.75	--	--	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.6	<1.6	<1.6	<2.1	<1.6	<8	--	--	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	<1.5	<1.1	<2.1	<2.2	<1.1	<10.5	--	--	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	<0.5	<0.28	<0.46	<0.50	<0.28	<2.3	--	--	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	<0.5	<0.39	<0.41	<0.20	<0.39	<2.05	--	--	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.61	<0.81	<0.72	<0.18	<0.81	<3.6	--	--	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	<0.50	NR	NR	--	--	<0.50

Notes:  
 NS = No standard established  
 -- = Not analyzed for parameter  
 NR = Not Reported

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit  
 BOLD indicates exceedance of NR 140.10 Enforcement Standard

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-1						
Date	Groundwater Elevation			02/20/06	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	09/30/15
				97.64	679.56	678.12	678.00	678.60	677.80	678.35
Benzene	(ug/L)	0.5	5	<0.26	<2.35	<0.47	<0.47	<0.24	<0.41	<0.50
Ethylbenzene	(ug/L)	140	700	<0.3	<1.9	<0.38	<0.38	<0.35	<0.87	<0.50
Toluene	(ug/L)	160	800	<0.52	<2.95	<0.46	<0.46	<0.39	<0.51	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	<1.17	<5.5	<0.99	<0.99	<1.67	<2.13	<1.5
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.50
Naphthalene	(ug/L)	10	100	<0.85	<11	<1.8	<1.8	<1.8	<1.7	<2.5
MTBE	(ug/L)	12	60	<0.36	<2.6	<0.52	<0.52	<0.7	<0.5	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.32	<1.95	<1.2	<1.2	<0.51	<1.1	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.83	<6.0	<0.37	<0.37	<0.23	<1.5	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<1.15	<6.0	<1.57	<1.57	<0.74	<2.6	<1.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	<b>81</b>	<b>48</b>	<b>43</b>	<b>27.2</b>	<b>22.1</b>	<b>5</b>	<b>6.8</b>
Trichloroethene (TCE)	(ug/L)	0.5	5	<b>38</b>	<b>36</b>	<b>52</b>	<b>32</b>	<b>9.8</b>	<b>5.3</b>	<b>12.8</b>
cis-1,2-Dichloroethene	(ug/L)	7	70	<b>7.8</b>	<b>9.0 J</b>	<b>9.7</b>	<b>8.2</b>	<b>2.08</b>	<b>0.77 J</b>	<b>6.0</b>
trans-1,2-Dichloroethene	(ug/L)	20	100	<b>0.77 J</b>	<4.75	<0.95	<0.95	<0.61	<0.61	<0.26
Vinyl Chloride	(ug/L)	0.02	0.2	<0.16	<b>1.4 J</b>	<b>0.79</b>	<b>0.38 J</b>	<b>1.03</b>	<b>0.8</b>	<b>0.87 J</b>
Methylene Chloride	(ug/L)	0.5	5	<0.55	<3.45	<0.69	<0.69	<0.99	<1.5	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.35	<3.1	<0.36	<0.36	<0.44	<0.43	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	<0.28	<4.1	<0.5	<0.5	<0.3	<0.41	<0.50
Bromoform	(ug/L)	0.44	4.4	<0.4	<1.5	<0.38	<0.38	<0.7	<0.46	<0.50
Bromomethane	(ug/L)	1	10	NR	NR	NR	NR	NR	NR	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.61	<5.5	<0.52	<0.52	<0.55	<1.5	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.25	<3.8	<0.36	<0.36	<0.73	<0.43	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.34	<3.0	<0.34	<0.34	<0.32	<0.46	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	<0.25	<2.6	<0.46	<0.46	<0.3	<0.43	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.26	<2.8	<0.31	<0.31	<0.39	<0.39	<0.50
Chloroethane	(ug/L)	80	400	<0.37	<2.7	<0.47	<0.47	<0.97	<1.5	<0.37
Chloroform	(ug/L)	0.6	6	<0.78	<3.05	<0.48	<0.48	<0.47	<0.48	<2.5
Chloromethane	(ug/L)	3	30	<1.1	<5.0	<1	<1	<0.5	<0.5	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<0.42	<5.5	<0.49	<0.49	<0.41	<0.37	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.24	<3.1	<0.38	<0.38	<0.3	<0.63	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<4.1	<12.5	<1.4	<1.4	<1.7	<2	<2.2
Dibromochloromethane	(ug/L)	6	60	<0.74	<3.25	<0.32	<0.32	<0.4	<0.76	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<0.58	<2.45	<0.49	<0.49	<0.76	<0.52	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	<0.86	<3.45	<0.35	<0.35	<0.88	<0.66	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	<0.64	<3.6	<0.3	<0.3	<0.67	<0.34	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	<0.69	<3.4	<0.33	<0.33	<0.74	<0.77	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	<0.2	<2.5	<0.46	<0.46	<0.76	<0.45	<0.22
1,1-Dichloroethane	(ug/L)	85	850	<0.91	<2.8	<0.56	<0.56	<0.59	<0.44	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	<0.25	<3.6	<0.45	<0.45	<0.41	<0.43	<0.17
1,1-Dichloroethene	(ug/L)	0.7	7	<0.2	<1.5	<0.64	<0.64	<0.5	<0.47	<0.41
1,2-Dichloropropane	(ug/L)	0.5	5	<0.37	<2.35	<0.47	<0.47	<0.27	<0.26	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.4	<3.35	<0.39	<0.39	<0.4	<0.49	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.34	<6.0	<0.98	<0.98	<0.53	<0.89	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	NR	<0.50
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	NR	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.23	<3.55	<1.3	<1.3	<0.37	<0.32	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<1.6	<10.5	<1.5	<1.5	<1.7	<1.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.56	<4.95	<0.48	<0.48	<0.6	<0.39	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.5	<4.05	<0.35	<0.35	<0.77	<0.57	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.56	<3.05	<0.38	<0.38	<0.54	<0.33	<0.50
Styrene	(ug/L)	10	100	NR	NR	NR	NR	NR	NR	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<0.49	<3.25	<0.65	<0.65	<0.32	<0.54	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<0.29	<4.45	<0.75	<0.75	<0.5	<0.55	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.6	<7.0	<1.6	<1.6	<1.6	<1.6	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	<1.1	<7.5	<1.5	<1.5	<1.1	<2.1	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	<0.42	<2.5	<0.5	<0.5	<0.28	<0.46	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	<0.35	<2.5	<0.5	<0.5	<0.39	<0.41	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.48	<3.05	<0.61	<0.61	<0.81	<0.72	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	NR	NR	NR	<0.50

**Notes:**  
NS = No standard established  
-- = Not analyzed for parameter  
NR = Not Reported

**ITALICS** indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard



Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-2						
Date	02/20/06			12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	09/30/15	
Groundwater Elevation	98.34			680.26	679.21	679.09	679.67	678.61	679.34	
Benzene	(ug/L)	0.5	5	<0.26	<0.47	<0.47	<0.47	<0.24	<0.41	<0.50
Ethylbenzene	(ug/L)	140	700	<0.3	<0.38	<0.38	<0.38	<0.35	<0.87	<0.50
Toluene	(ug/L)	160	800	<0.52	<0.59	<0.46	<0.46	<0.39	<0.51	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	<1.17	<1.1	<0.99	<0.99	<1.67	<2.13	<1.5
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.50
Naphthalene	(ug/L)	10	100	<0.85	<2.2	<1.8	<1.8	<1.8	<1.7	<2.5
MTBE	(ug/L)	12	60	<0.36	<0.52	<0.52	<0.52	<0.7	<0.5	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.32	<0.39	<1.2	<1.2	<0.51	<1.1	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.83	<1.2	<0.37	<0.37	<0.23	<1.5	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<1.15	<1.2	<1.57	<1.57	<0.74	<2.6	<1.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	<0.45	<b>3.5</b>	<b>1.38 J</b>	<b>2.75</b>	<b>15.1</b>	<b>2.03</b>	<b>0.95 J</b>
Trichloroethene (TCE)	(ug/L)	0.5	5	<0.37	<b>1.38 J</b>	<b>0.45 J</b>	<b>1.71</b>	<b>1.62</b>	<b>1.58</b>	<0.33
cis-1,2-Dichloroethene	(ug/L)	7	70	<0.27	<0.68	<0.68	<0.68	<b>0.46 J</b>	<0.68	<b>0.26 J</b>
trans-1,2-Dichloroethene	(ug/L)	20	100	<0.4	<0.95	<0.95	<0.95	<0.61	<0.61	<0.26
Vinyl Chloride	(ug/L)	0.02	0.2	<0.16	<0.17	<0.2	<0.2	<0.2	<0.2	<0.18
Methylene Chloride	(ug/L)	0.5	5	<0.55	<0.69	<0.69	<0.69	<0.99	<1.5	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.35	<0.62	<0.36	<0.36	<0.44	<0.43	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	<0.28	<0.82	<0.5	<0.5	<0.3	<0.41	<0.50
Bromoform	(ug/L)	0.44	4.4	<0.4	<0.3	<0.38	<0.38	<0.7	<0.46	<0.50
Bromomethane	(ug/L)	1	10	NR	NR	NR	NR	NR	NR	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.61	<1.1	<0.52	<0.52	<0.55	<1.5	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.25	<0.76	<0.36	<0.36	<0.73	<0.43	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.34	<0.6	<0.34	<0.34	<0.32	<0.46	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	<0.25	<0.52	<0.46	<0.46	<0.3	<0.43	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.26	<0.56	<0.31	<0.31	<0.39	<0.39	<0.50
Chloroethane	(ug/L)	80	400	<0.37	<0.54	<0.47	<0.47	<0.97	<1.5	<0.37
Chloroform	(ug/L)	0.6	6	<0.78	<0.61	<0.48	<0.48	<0.47	<0.48	<2.5
Chloromethane	(ug/L)	3	30	<1.1	<1.0	<1	<1	<0.5	<0.5	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<0.42	<1.1	<0.49	<0.49	<0.41	<0.37	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.24	<0.62	<0.38	<0.38	<0.3	<0.63	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<4.1	<2.5	<1.4	<1.4	<1.7	<2	<2.2
Dibromochloromethane	(ug/L)	6	60	<0.74	<0.65	<0.32	<0.32	<0.4	<0.76	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<0.58	<0.49	<0.49	<0.49	<0.76	<0.52	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	<0.86	<0.69	<0.35	<0.35	<0.88	<0.66	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	<0.64	<0.72	<0.3	<0.3	<0.67	<0.34	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	<0.69	<0.68	<0.33	<0.33	<0.74	<0.77	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	<0.2	<0.5	<0.46	<0.46	<0.76	<0.45	<0.22
1,1-Dichloroethane	(ug/L)	85	850	<0.91	<0.56	<0.56	<0.56	<0.59	<0.44	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	<0.25	<0.72	<0.45	<0.45	<0.41	<0.43	<0.17
1,1-Dichloroethene	(ug/L)	0.7	7	<0.2	<0.3	<0.64	<0.64	<0.5	<0.47	<0.41
1,2-Dichloropropane	(ug/L)	0.5	5	<0.37	<0.47	<0.47	<0.47	<0.27	<0.26	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.4	<0.67	<0.39	<0.39	<0.4	<0.49	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.34	<1.2	<0.98	<0.98	<0.53	<0.89	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	NR	<0.50
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	NR	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.23	<0.71	<1.3	<1.3	<0.37	<0.32	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<1.6	<2.1	<1.5	<1.5	<1.7	<1.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.56	<0.99	<0.48	<0.48	<0.6	<0.39	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.5	<0.81	<0.35	<0.35	<0.77	<0.57	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.56	<0.61	<0.38	<0.38	<0.54	<0.33	<0.50
Styrene	(ug/L)	10	100	NR	NR	NR	NR	NR	NR	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<0.49	<0.65	<0.65	<0.65	<0.32	<0.54	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<0.29	<0.89	<0.75	<0.75	<0.5	<0.55	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.6	<1.4	<1.6	<1.6	<1.6	<1.6	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	<1.1	<1.5	<1.5	<1.5	<1.1	<2.1	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	<0.42	<0.5	<0.5	<0.5	<0.28	<0.46	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	<0.35	<0.5	<0.5	<0.5	<0.39	<0.41	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.48	<0.61	<0.61	<0.61	<0.81	<0.72	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	NR	NR	NR	<0.50

**Notes:**  
NS = No standard established  
-- = Not analyzed for parameter  
NR = Not Reported

**ITALICS** indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-3								Trip Blank
Date	02/20/06			12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	9/30/15	
Groundwater Elevation	98.81			681.48	679.93	679.74	679.92	679.49	680.27	681.06	NA	
Benzene	(ug/L)	0.5	5	<52	<47	<47	<23.5	<12	<0.41	2.5	4.0	<0.50
Ethylbenzene	(ug/L)	140	700	<60	<38	<38	28.5 J	<17.5	<0.87	9.1	1.4	<0.50
Toluene	(ug/L)	160	800	<104	<59	<46	<23	<19.5	<0.51	2.22 J	0.60 J	<0.50
Xylenes (TOTAL)	(ug/L)	400	2,000	<234	<110	<99	<49.5	<83.5	<2.13	13.5 J	<1.5	<1.5
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	<1.0	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	<0.50	<0.50
Naphthalene	(ug/L)	10	100	<170	<220	<180	<90	<90	<1.7	9.8	<2.5	<2.5
MTBE	(ug/L)	12	60	<72	<52	<52	<26	<35	<0.5	<0.47	<0.17	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<64	<39	<120	<60	<25.5	<1.1	5.8	<0.50	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<166	<120	<37	<18.5	<11.5	<1.5	1.95 J	<0.50	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<230	<120	<157	<78.5	<36.5	<2.6	7.75	<1.0	<1.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	282	247	198	140	261	158	--	240	<0.50
Trichloroethene (TCE)	(ug/L)	0.5	5	1,770	1,730	2,150	1,720	1,030	690	--	677	<0.33
cis-1,2-Dichloroethene	(ug/L)	7	70	3,800	3,090	3,700	3,400	2,560	1,790	--	1,200	<0.26
trans-1,2-Dichloroethene	(ug/L)	20	100	170 J	<95	<95	74 J	69 J	117	--	29.4	<0.26
Vinyl Chloride	(ug/L)	0.02	0.2	102 J	98	320	152	117	55	--	90.6	<0.18
Methylene Chloride	(ug/L)	0.5	5	<110	<69	<69	<34.5	<49.5	<1.5	--	<0.23	<0.23
Bromobenzene	(ug/L)	NS	NS	<70	<62	<36	<18	<22	<0.43	--	<0.23	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	--	<0.34	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	<56	<82	<50	<25	<15	<0.41	--	<0.50	<0.50
Bromoform	(ug/L)	0.44	4.4	<80	<30	<38	<19	<35	<0.46	--	<0.50	<0.50
Bromomethane	(ug/L)	1	10	NR	NR	NR	NR	NR	NR	--	<2.4	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<122	<110	<52	<26	<27.5	<1.5	--	<0.50	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<50	<76	<36	<18	<36.5	<0.43	--	<2.2	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<68	<60	<34	<17	<16	<0.46	--	<0.18	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	<50	<52	<46	<23	<15	<0.43	--	<0.50	<0.50
Chlorobenzene	(ug/L)	NS	NS	<52	<56	<31	<15.5	<19.5	<0.39	--	<0.50	<0.50
Chloroethane	(ug/L)	80	400	<74	<54	<47	<23.5	<48.5	<1.5	--	<0.37	<0.37
Chloroform	(ug/L)	0.6	6	<156	<61	<48	<24	<23.5	<0.48	--	<2.5	<2.5
Chloromethane	(ug/L)	3	30	<220	<100	<100	<50	<25	<0.5	--	<0.50	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<84	<110	<49	<24.5	<20.5	<0.37	--	<0.50	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<48	<62	<38	<19	<15	<0.63	--	<0.21	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	<820	<250	<140	<70	<85	<2	--	<2.2	<2.2
Dibromochloromethane	(ug/L)	6	60	<148	<65	<32	<16	<20	<0.76	--	<0.50	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	<116	<49	<49	<24.5	<38	<0.52	--	<0.18	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	--	<0.43	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	<172	<69	<35	<17.5	<44	<0.66	--	<0.50	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	<128	<72	<30	<15	<33.5	<0.34	--	<0.50	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	<138	<68	<33	<16.5	<37	<0.77	--	<0.50	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	<40	<50	<46	<23	<38	<0.45	--	<0.22	<0.22
1,1-Dichloroethane	(ug/L)	85	850	<182	<56	<56	<28	<29.5	<0.44	--	<0.24	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	<50	<72	<45	<22.5	<20.5	<0.43	--	<0.17	<0.17
1,1-Dichloroethene	(ug/L)	0.7	7	<40	<30	<64	<32	<25	<0.47	--	3.5	<0.41
1,2-Dichloropropane	(ug/L)	0.5	5	<74	<47	<47	<23.5	<13.5	<0.26	--	<0.23	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<80	<67	<39	<19.5	<20	<0.49	--	<0.50	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<68	<120	<98	<49	<26.5	<0.89	--	<0.48	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	--	<0.44	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	NR	--	<0.50	<0.50
trans-1,3-Dichloropropene	(ug/L)	0.04	0.4	NR	NR	NR	NR	NR	NR	--	<0.23	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<46	<71	<130	<65	<18.5	<0.32	--	<0.50	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<320	<210	<150	<75	<85	<1.5	--	<2.1	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<112	<99	<48	<24	<30	<0.39	--	2.2	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<100	<81	<35	<17.5	<38.5	<0.57	--	<0.50	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<112	<61	<38	<19	<27	<0.33	--	0.61 J	<0.50
Styrene	(ug/L)	10	100	NR	NR	NR	NR	NR	NR	--	<0.50	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	<98	<65	<65	<32.5	<16	<0.54	--	<0.18	<0.18
1,1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	<58	<89	<75	<37.5	<25	<0.55	--	<0.25	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<320	<140	<160	<80	<80	<1.6	--	<2.1	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	<220	<150	<150	<75	<55	<2.1	--	<2.2	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	<84	<50	<50	<25	<14	<0.46	--	<0.50	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	<70	<50	<50	<25	<19.5	<0.41	--	<0.20	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<96	<61	<61	<30.5	<40.5	<0.72	--	<0.18	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	NR	NR	NR	NR	NR	NR	--	<0.50	<0.50

Notes:  
 NS = No standard established  
 -- = Not analyzed for parameter  
 NR = Not Reported

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit  
 BOLD indicates exceedance of NR 140.10 Enforcement Standard

Sample ID	Date	NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-1						SMW-2					SMW-3					SMW-4							
				12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12
Groundwater Elevation				682.46	682.06	680.92	682.05	681.43	682.21	684.09	683.74	681.92	683.66	682.89	683.28	679.93	679.01	678.96	679.47	678.65	678.83	680.23	678.83	678.71	678.97	678.34	679.17
Arsenic (ug/L)	1	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium (ug/L)	400	2,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium (ug/L)	0.5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium ++ (ug/L)	10	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead (ug/L)	1.5	15	<0.7	--	--	--	--	--	--	<0.7	--	--	--	--	--	30	--	<0.7	--	--	--	<0.7	--	--	--	--	--
Mercury (ug/L)	0.2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium (ug/L)	10	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver (ug/L)	10	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron * (mg/L)	0.15	0.3	4.8	3.4	3.0	2.0	2.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.0	3.0	2.6	3.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0
Manganese * (mg/L)	0.025	0.05	--	--	--	--	--	259	259	--	--	--	--	--	68.0	--	--	285.0	292.0	--	177	--	--	--	--	--	39.6
Sulfate * (mg/L)	125	250	--	--	--	--	--	86.1	86.1	--	--	--	--	--	57.4	--	--	15.32	1.23	--	8.83	--	--	--	--	--	33

**Notes:**  
 NS = No standard established  
 -- = Not analyzed for parameter  
*ITALICS* indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard  
 \* Standards according to NR 140.12

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-5					SMW-6					SMW-7					SMW-8					
Date				12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/25/07	12/6/07	9/9/08	8/18/09	01/10/12	09/25/07	12/6/07	09/09/08	08/18/09	01/10/12
Groundwater Elevation				682.85	681.25	680.57	681.43	680.57	681.28	681.81	681.91	682.23	681.61	681.68	681.13	680.41	681.45	680.81	681.80	679.30	679.08	679.36	678.90	679.76
Arsenic	(ug/L)	1	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Barium	(ug/L)	400	2,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Cadmium	(ug/L)	0.5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chromium ++	(ug/L)	10	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Lead	(ug/L)	1.5	15	<0.7	--	--	--	--	--	--	--	--	--	1.7	3.2	<0.7	--	--	<0.7	--	--	--	--	
Mercury	(ug/L)	0.2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Selenium	(ug/L)	10	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Silver	(ug/L)	10	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Iron *	(mg/L)	0.15	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.8	2.8	4.0	10.0	0.0	2.0	9.4	3.0	4.2	
Manganese *	(mg/L)	0.025	0.05	--	--	15.1	<1	--	<1	--	--	--	11.4	--	256.2	92.5	--	71.9	--	169.5	116.0	--	316	
Sulfate *	(mg/L)	125	250	--	--	23.54	18.1	--	35.9	--	--	--	57.1	--	37.34	4.34	--	7.2 J	--	22.75	1.82 J	--	18.8	

**Notes:**  
 NS = No standard established  
 -- = Not analyzed for parameter  
*ITALICS* indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard  
 \* Standards according to NR 140.12

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-9					SMW-10				SMW-11		SMW-12		SMW-13		SMW-14		PZ-1		PZ-2					
Date	09/25/07			12/6/07	09/09/08	8/18/09	01/10/12	11/30/15	9/9/08	8/18/09	01/10/12	11/30/15	9/9/08	08/18/09	09/09/08	08/18/09	08/19/09	01/10/12	08/18/09	12/06/07	09/09/08	08/18/09	09/09/08	08/18/09				
Groundwater Elevation				678.95	678.85	679.39	678.60	679.08		681.68	678.23	677.94	678.29		680.29	678.76	678.13	678.64	677.78	677.63	678.08	677.27	678.96	679.89	668.34	678.11	677.76	
Arsenic	(ug/L)	1	10	--	--	--	--	--	INJECTION	<7.2	--	--	--	INJECTION	<b>10.8 J</b>	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	(ug/L)	400	2,000	--	--	--	--	--	INJECTION	141	--	--	--	INJECTION	220	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	(ug/L)	0.5	5	--	--	--	--	--	INJECTION	<0.60	--	--	--	INJECTION	<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium ++	(ug/L)	10	100	--	--	--	--	--	INJECTION	<2.1	--	--	--	INJECTION	<2.1	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	(ug/L)	1.5	15	--	3.3	--	3	--	INJECTION	3.4 J	11.6	5.6	--	INJECTION	<3.0	<0.7	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	(ug/L)	0.2	2	--	--	--	--	--	INJECTION	<0.10	--	--	--	INJECTION	<0.10	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	(ug/L)	10	50	--	--	--	--	--	INJECTION	<6.7	--	--	--	INJECTION	<6.7	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	(ug/L)	10	50	--	--	--	--	--	INJECTION	<2.7	--	--	--	INJECTION	<2.7	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron *	(mg/L)	0.15	0.3	4.2	4.0	3.6	6.0	4.0	INJECTION	1.550	0.0	3.0	5.2	INJECTION	4.120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manganese *	(mg/L)	0.025	0.05	--	496.5	447.0	--	--	INJECTION	0.586	174.0	--	288.0	INJECTION	0.452	104.0	--	109.0	--	--	22.4	--	--	--	--	--	--	--
Sulfate *	(mg/L)	125	250	--	49.08	38.6	--	--	INJECTION	41.9	6.13	--	89.8	INJECTION	36.7	92.8	--	77.5	--	--	39.6	--	--	--	--	--	--	--

**Notes:**  
 NS = No standard established  
 -- = Not analyzed for parameter  
*ITALICS* indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard  
 \* Standards according to NR 140.12

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-1					MW-2					MW-3						
Date				12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12
Groundwater Elevation				679.56	678.12	678.00	678.60	677.80	680.26	679.21	679.09	679.67	678.61	679.10	681.48	679.93	679.74	679.92	679.49	680.27
Arsenic	(ug/L)	1	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Barium	(ug/L)	400	2,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Cadmium	(ug/L)	0.5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Chromium ++	(ug/L)	10	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Lead	(ug/L)	1.5	15	<0.7	--	--	--	--	<0.7	--	--	--	<0.7	--	--	--	--	--		
Mercury	(ug/L)	0.2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Selenium	(ug/L)	10	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Silver	(ug/L)	10	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Iron *	(mg/L)	0.15	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	3.2	0.0	1.0	0.6		
Manganese *	(mg/L)	0.025	0.05	--	--	--	--	--	--	--	--	--	16.5	--	519.6	678.0	--	--		
Sulfate *	(mg/L)	125	250	--	--	--	--	--	--	--	--	--	38.6	--	49.8	49.8	--	--		

**Notes:**  
 NS = No standard established  
 -- = Not analyzed for parameter  
*ITALICS* indicates exceedance of NR 140.10 Preventive Action Limit  
**BOLD** indicates exceedance of NR 140.10 Enforcement Standard  
 \* Standards according to NR 140.12

TABLE A.7  
 Groundwater Natural Attenuation  
 Master Drycleaning, Inc.  
 6326 W. Bluemound Rd., Wauwatosa, WI 53213  
 BRRTS# 02-41-545142

Sample ID		NR 140 Preventive Action Limit	NR 140 Enforcement Standard	SMW-1							SMW-2						
Sample Date				12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15
Groundwater Elevation				682.46	682.06	680.92	682.05	681.43	682.21	683.03	684.09	683.74	681.92	683.66	682.89	683.28	683.27
Notes																	
<b>FIELD PARAMETERS</b>																	
Temperature	C°	NS	NS	10	16	16.3	14.85	16.9	14.0	18.18	10.1	16.2	16	16.29	15.3	13.5	20.53
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	NR	NR	10182	NR	NR	NR	NR	NR	NR	1532
Dissolved Oxygen (field)	mg/l	NS	NS	0.24	0.25	0.42	0.42	0.34	0.95	1.70	0.38	0.31	0.48	0.40	0.35	1.90	8.01
pH		NS	NS	7	7	7	7.15	7.1	7.0	6.12	7	7	7	7.31	7.4	7.1	6.87
ORP	mV	NS	NS	56.0	-35.0	-34.0	-194.4	2.0	-89.0	-21.8	103.0	123.0	149.0	-22.2	42.0	164.0	194.6
<b>LABORATORY PARAMETERS</b>																	
Dissolved Iron	mg/l	0.15	0.3	0.0048	0.0034	0.0030	2.0	2.0	10.0	--	0.0	0.0	0.0	0.0	0.0	0.0	--
Dissolved Manganese	mg/l	0.025	0.05	--	--	--	--	--	<b>259</b>	--	--	--	--	--	<b>68.0</b>	--	--
Sulfate	mg/l	125	250	--	--	--	--	--	86.1	--	--	--	--	--	<b>27.4</b>	--	--
Nitrate/Nitrite	mg/l	2	10	--	--	--	--	--	<0.1	--	--	--	--	--	<b>9.4</b>	--	--
Methane	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethane	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--

INJECTION DEC. 2015

INJECTION DEC. 2015

**Notes:**  
 NS = No standard established  
**Bold** value indicates exceedance of NR 140.10 or 140.12 Enforcement Standard  
*ITALICS* value exceeds NR 140.10 or 140.12 PAL  
 \*: Public Welfare Standard from Table 2, NR 140.12  
 \*\*: Values beyond standard range of concentration, meter operation suspect

TABLE A.7  
 Groundwater Natural Attenuation  
 Master Drycleaning, Inc.  
 6326 W. Bluemound Rd., Wauwatosa, WI 53213  
 BRRTS# 02-41-545142

Sample ID		NR 140 Preventive Action Limit	NR 140 Enforcement Standard	SMW-3										SMW-4									
Sample Date				12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	11/30/15	12/4/15	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	11/30/15	12/04/15
Groundwater Elevation				679.93	679.01	678.96	679.47	678.65	680.12	678.47	678.83	679.14	680.24	680.46	680.23	678.83	678.71	678.97	678.34	679.17	681.45	681.98	681.00
Notes													(1)	(2)								(1)	(2)
FIELD PARAMETERS																							
Temperature	C°	NS	NS	10.7	16.7	16.1	15.23	15	13.6	15.1	14.2	16.91	--	--	10.6	15.4	15.5	13.8	13.5	13.8	16.61	--	--
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	NR	NR	NR	NR	5254	3333	2650	NR	NR	NR	NR	NR	NR	4420	4769	5255
Dissolved Oxygen (field)	mg/l	NS	NS	0.29	0.34	0.39	0.39	0.23	0.28	0.38	0.50	0.40	4.83	3.82	0.48	0.65	2.22	0.85	0.26	1.00	6.98	2.86	1.36
pH		NS	NS	7	7	7	7.18	7.4	7	7	7.0	6.14	6.68	6.87	7	7	7	7.83	7	7.2	6.27	6.62	6.22
ORP	mV	NS	NS	64.0	9.0	-5.0	-22.5	-122.0	-4.0	-35.0	-24.0	-31.3	109.4	111.2	112.0	121.0	78.0	-29.8	140.0	29.0	214.8	153.2	11.8
LABORATORY PARAMETERS																							
Dissolved Iron	mg/l	0.15	0.3	0.8	3.0	3.0	2.6	3.0	--	--	4.8	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	--	--	--
Dissolved Manganese	mg/l	0.025	0.05	--	--	285.0	292.0	--	--	--	177	--	--	--	--	--	--	--	39.6	--	--	--	
Sulfate	mg/l	125	250	--	--	15.32	4.23	--	--	--	8.8 J	--	--	--	--	--	--	--	33	--	--	--	
Nitrate/Nitrite	mg/l	2	10	--	--	0.03 J	<0.1	--	--	--	<0.1	--	--	--	--	--	--	--	2.6	--	--	--	
Methane	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethane	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Notes:**  
 NS = No standard established  
**Bold** value indicates exceedance of NR 140.10 or 140.12 Enforcement Standard  
*ITALICS* value exceeds NR 140.10 or 140.12 PAL  
 \*: Public Welfare Standard from Table 2, NR 140.12  
 \*\*: Values beyond standard range of concentration, meter operation suspect



TABLE A.7  
 Groundwater Natural Attenuation  
 Master Drycleaning, Inc.  
 6326 W. Bluemound Rd., Wauwatosa, WI 53213  
 BRRTS# 02-41-545142

Sample ID		NR 140 Preventive Action Limit	NR 140 Enforcement Standard	SMW-5							SMW-6						11/30/15	12/04/15		
Sample Date				12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15			683.44	684.19
Groundwater Elevation				682.85	681.25	680.57	681.43	680.57	681.28	683.00	681.81	681.91	682.23	681.61	681.68	682.68			(1)	(2)
Notes																				
FIELD PARAMETERS																				
Temperature	C°	NS	NS	10.2	16	15.5	14.21	14.8	12.8	18.95	16.7	16.1	15.1	14.9	13.3	17.43	--	--		
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	NR	NR	2337	NR	NR	NR	NR	NA	10923	10528	4000		
Dissolved Oxygen (field)	mg/l	NS	NS	0.42	2.28	0.94	0.48	1.08	2.00	2.37	7.23	0.78	0.62	0.30	3.00	7.69	7.25	2.41		
pH		NS	NS	7	7	7	7.64	7.6	7.4	6.94	7	7	7.39	7.1	7.1	6.27	6.52	6.83		
ORP	mV	NS	NS	98.0	122.0	141.0	-133.2	65.0	154.0	187.8	125.0	62.0	-193.8	9.0	20.0	248.0	146.7	98.9		
LABORATORY PARAMETERS																				
Dissolved Iron	mg/l	<i>0.15</i>	<b>0.3</b>	0.0	0.0	0.0	0.0	0.0	0.0	--	0.0	0.0	0.0	0.0	0.0	--	--	--		
Dissolved Manganese	mg/l	<i>0.025</i>	<b>0.05</b>	--	--	15.1	<4.8	--	<4.8	--	--	--	--	11.4	--	--	--	--		
Sulfate	mg/l	<b>125</b>	<b>250</b>	--	--	23.54	18.1	--	35.9	--	--	--	--	57.1	--	--	--	--		
Nitrate/Nitrite	mg/l	<b>2</b>	<b>10</b>	--	--	0.78	1.17	--	2.8	--	--	--	--	0.2 J	--	--	--	--		
Methane	ug/l	NS	NS	--	--	<1	2.3	--	--	--	--	--	--	--	--	--	--	--		
Ethane	ug/l	NS	NS	--	--	<1	<0.25	--	--	--	--	--	--	--	--	--	--	--		
Ethene	ug/l	NS	NS	--	--	<1	<0.25	--	--	--	--	--	--	--	--	--	--	--		
Total Organic Carbon	mg/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		

**Notes:**  
 NS = No standard established  
 Bold value indicates exceedance of NR 140.10 or 140.12 Enforcement Standard  
*ITALICS* value exceeds NR 140.10 or 140.12 PAL  
 \*: Public Welfare Standard from Table 2, NR 140.12  
 \*\*: Values beyond standard range of concentration, meter operation suspect

TABLE A.7  
 Groundwater Natural Attenuation  
 Master Drycleaning, Inc.  
 6326 W. Bluemound Rd., Wauwatosa, WI 53213  
 BRRTS# 02-41-545142

Sample ID		NR 140 Preventive Action Limit	NR 140 Enforcement Standard	SMW-7								SMW-8								INJECTION DEC. 2015	INJECTION DEC. 2015				
Sample Date				09/25/07	12/06/07	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	11/30/15	12/04/15	09/25/07	12/06/07	09/09/08	08/18/09	07/01/10	10/29/10			01/10/12	09/30/15	11/30/15	12/04/15
Groundwater Elevation				681.13	680.41	681.45	680.81	683.43	680.24	681.80	682.34	684.28	684.85	679.30	679.08	679.36	678.90	681.62	678.60			679.76	679.97	682.55	682.77
Notes												(1)	(2)											(1)	(2)
FIELD PARAMETERS																									
Temperature	C°	NS	NS	17.1	16.6	15.49	15.6	14	15.4	14.2	19.41	--	--	15.5	15.3	13.96	13.9	12.4	15.8	13.3	16.76	--	--		
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	NR	NR	NR	9809	4069	2907	NR	NR	NR	NR	NR	NR	NR	3879	5060	5273		
Dissolved Oxygen (field)	mg/l	NS	NS	0.39	0.24	0.48	0.57	0.23	0.40	0.68	1.35	4.53	4.46	3.50	0.15	0.53	0.16	4.04	0.33	0.40	7.76	2.08	2.25		
pH		NS	NS	7	7	7.12	7.4	7	7	7.1	6.30	7.09	7.26	7	7	7.75	7.7	7	7	7.3	6.56	6.59	6.55		
ORP	mV	NS	NS	30.0	-75.0	-286.2	-96.0	-32.0	-70.0	-100.0	-66.3	104.0	109.0	106.0	-58.0	-139.8	-57.0	112.0	26.0	-72.0	73.0	147.2	55.5		
LABORATORY PARAMETERS																									
Dissolved Iron	mg/l	0.15	0.3	3.0	2.8	2.8	4.0	--	--	10.0	--	--	--	0.0	2.0	9.4	3.0	--	--	4.2	--	--	--		
Dissolved Manganese	mg/l	0.025	0.05	--	256.5	92.5	--	--	--	71.9	--	--	--	--	169.5	116.0	--	--	--	316	--	--	--		
Sulfate	mg/l	125	250	--	37.34	4.34	--	--	--	7.2 J	--	--	--	--	22.75	1.82 J	--	--	--	18.8	--	--	--		
Nitrate/Nitrite	mg/l	2	10	--	2.17	0.10 J	--	--	--	<0.1	--	--	--	--	0.06 J	<0.1	--	--	--	<0.1	--	--	--		
Methane	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Ethane	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Ethene	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Total Organic Carbon	mg/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		

Notes:  
 NS = No standard established  
**Bold** value indicates exceedance of NR 140.10 or 140.12 Enforcement Standard  
*ITALICS* value exceeds NR 140.10 or 140.12 PAL  
 \*: Public Welfare Standard from Table 2, NR 140.12  
 \*\*: Values beyond standard range of concentration, meter operation suspect

TABLE A.7  
 Groundwater Natural Attenuation  
 Master Drycleaning, Inc.  
 6326 W. Bluemound Rd., Wauwatosa, WI 53213  
 BRRTS# 02-41-545142

Sample ID	Sample Date	Groundwater Elevation	Notes	NR 140 Preventive Action Limit	NR 140 Enforcement Standard	SMW-9						SMW-10										
						09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	11/30/15	12/04/15	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	11/30/15	12/04/15	
		678.95				678.85	679.39	678.60	679.08	680.47	681.68		682.61	678.23	677.94	680.07	677.51	678.29	678.27	680.29	680.26	
											(1)		(2)								(1)	(2)
<b>FIELD PARAMETERS</b>																						
Temperature	C°	NS	NS	16.7	16.6	15.06	15.1	13.8	17.86	--	--	--	12.84	12.5	11.7	14.4	13.0	14.3	--	--	--	
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	NR	970	1840	2380	NR	NR	NR	NR	NR	NR	2541	3829		4141	
Dissolved Oxygen (field)	mg/l	NS	NS	0.49	0.20	0.37	0.17	0.41	5.36	1.83	0.74	0.60	0.32	0.35	0.35	0.50	0.30	0.73			0.39	
pH		NS	NS	7	7	7.29	7	7.2	6.77	6.84	6.85	7.49	7	7	7	7.4	6.39	6.47			6.55	
ORP	mV	NS	NS	-9.0	-101.0	-205.4	-40.0	-139.0	-13.1	40.1	37.6	-152.4	146.0	51.0	-120.0	-101.0	-93.3	-35.1			-15.4	
<b>LABORATORY PARAMETERS</b>																						
Dissolved Iron	mg/l	0.15	0.3	4.2	4.0	3.6	6.0	4.0	--	<b>1.55</b>	--	0.0	3.0	--	--	5.2	--	<b>4.12</b>			--	
Dissolved Manganese	mg/l	0.025	0.05	--	496.5	447.0	--	--	--	<b>0.586</b>	--	174.0	--	--	--	288	--	<b>0.452</b>			--	
Sulfate	mg/l	125	250	--	49.08	38.6	--	--	--	41.9	--	8.13	--	--	--	89.8	--	36.7			--	
Nitrate/Nitrite	mg/l	2	10	--	1.61	1.22	--	--	--	--	--	<0.1	--	--	--	<0.1	--	--			--	
Methane	ug/l	NS	NS	--	76.0	28.0	--	--	--	--	--	--	--	--	--	--	--	--			--	
Ethane	ug/l	NS	NS	--	19.0	11.0	--	--	--	--	--	--	--	--	--	--	--	--			--	
Ethene	ug/l	NS	NS	--	4.8	1.7	--	--	--	--	--	--	--	--	--	--	--	--			--	
Total Organic Carbon	mg/l	NS	NS	--	--	--	--	--	--	0.51	--	--	--	--	--	--	--	--			0.61	

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*ITALICS* value exceeds NR 140.10 or 140.12 PAL  
 \*: Public Welfare Standard from Table 2, NR 140.12  
 \*\*: Values beyond standard range of concentration, meter operation suspect

TABLE A.7  
 Groundwater Natural Attenuation  
 Master Drycleaning, Inc.  
 6326 W. Bluemound Rd., Wauwatosa, WI 53213  
 BRRTS# 02-41-545142

Sample ID		NR 140 Preventive Action Limit	NR 140 Enforcement Standard	SMW-11			SMW-12			SMW-13			SMW-14		PZ-1					
Sample Date				09/09/08	08/18/09	09/30/15	09/09/08	08/18/09	09/30/15	08/19/09	01/10/12	09/30/15	08/18/09	09/30/15	12/06/07	09/09/08	08/18/09	09/30/15	11/30/15	12/04/15
Groundwater Elevation			678.76	678.13	678.46	678.64	677.78	678.38	677.63	678.08	678.04	677.27	677.48	678.96	679.89	668.34	679.68	680.29	680.26	
Notes																		(1)	(2)	
FIELD PARAMETERS																				
Temperature	C°	NS	NS	12.37	12.1	12.86	13.13	12.8	13.41	12.4	12.2	13.41	12.2	14.21	15.2	13.49	13.2	13.78	--	--
Specific Conductivity	mS/cm	NS	NS	NR	NR	2014	NR	NR	3644	NR	NR	1652.0	NR	3237	NR	NR	NR	893	366	427
Dissolved Oxygen (field)	mg/l	NS	NS	0.53	0.35	3.50	0.84	0.26	0.42	1.12	0.80	4.55	0.91	2.60	7.40	1.02	3.68	10.84	8.39	5.66
pH		NS	NS	7.56	7	6.54	7.62	7	6.46	7	7.5	6.6	7	6.35	7	8.02	7.9	7.33	10.58	10.19
ORP	mV	NS	NS	-127.8	100.0	217.3	-219.2	126.0	234.3	163.0	-30.0	216.7	129.0	225.2	108.0	-219.5	102.0	241.1	98.0	-57.2
LABORATORY PARAMETERS																				
Dissolved Iron	mg/l	0.15	0.3	0.0	0.0	--	0.0	0.0	--	0.0	0.0	--	0.0	--	0.0	0.0	0.0	--	--	--
Dissolved Manganese	mg/l	0.025	0.05	104.0	--	--	109.0	--	--	--	22.4	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	125	250	92.8	--	--	77.5	--	--	--	39.6	--	--	--	--	--	--	--	--	--
Nitrate/Nitrite	mg/l	2	10	5.11	--	--	8.10	--	--	--	15.0	--	--	--	--	--	--	--	--	--
Methane	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethane	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:  
 NS = No standard established  
**Bold** value indicates exceedance of NR 140.10 or 140.12 Enforcement Standard  
*ITALICS* value exceeds NR 140.10 or 140.12 PAL  
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 \*\*: Values beyond standard range of concentration, meter operation suspect

TABLE A.7  
 Groundwater Natural Attenuation  
 Master Drycleaning, Inc.  
 6326 W. Bluemound Rd., Wauwatosa, WI 53213  
 BRRTS# 02-41-545142

Sample ID		NR 140 Preventive Action Limit	NR 140 Enforcement Standard	PZ-2					MW-1					
Sample Date				09/09/08	08/18/09	07/01/10	10/29/10	09/30/15	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	09/30/15
Groundwater Elevation				678.11	677.76	678.93	677.52	677.90	679.56	678.12	678.00	678.60	677.80	678.35
Notes														
<b>FIELD PARAMETERS</b>														
Temperature	C°	NS	NS	12.81	12.7	12.2	14.4	13.10	10.4	15.1	15.4	13.75	13.8	15.32
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	2916	NR	NR	NR	NR	NR	4114
Dissolved Oxygen (field)	mg/l	NS	NS	1.21	0.49	3.14	5.30	9.28	0.40	0.50	0.20	0.82	0.34	4.60
pH		NS	NS	8.38	7	7	7	7.01	7	7	7	7.5	7.5	6.43
ORP	mV	NS	NS	-31.1	89.0	68.0	95.0	258.7	103.0	96.0	44.0	-151.6	40.0	100.5
<b>LABORATORY PARAMETERS</b>														
Dissolved Iron	mg/l	0.15	0.3	0.0	0.0	--	--	--	0.0	0.0	0.0	0.0	0.0	--
Dissolved Manganese	mg/l	0.025	0.05	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	125	250	--	--	--	--	--	--	--	--	--	--	--
Nitrate/Nitrite	mg/l	2	10	--	--	--	--	--	--	--	--	--	--	--
Methane	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--
Ethane	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--
Ethene	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--

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**Notes:**  
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 \*: Public Welfare Standard from Table 2, NR 140.12  
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TABLE A.7  
 Groundwater Natural Attenuation  
 Master Drycleaning, Inc.  
 6326 W. Bluemound Rd., Wauwatosa, WI 53213  
 BRRTS# 02-41-545142

Sample ID		NR 140 Preventive Action Limit	NR 140 Enforcement Standard	MW-2							MW-3						
Sample Date				12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15
Groundwater Elevation				680.26	679.21	679.09	679.67	678.61	679.10	679.34	681.48	679.93	679.74	679.92	679.49	680.27	681.06
Notes																	
<b>FIELD PARAMETERS</b>																	
Temperature	C°	NS	NS	10.5	17.5	16	16.23	16.2	13.7	16.76	10.2	16.7	16	14.5	14.3	14.0	17.55
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	NR	NR	3595	NR	NR	NR	NR	NR	NR	3900
Dissolved Oxygen (field)	mg/l	NS	NS	0.44	0.95	0.77	0.71	0.72	1.00	5.81	0.39	0.43	0.23	0.62	0.16	0.65	3.94
pH		NS	NS	7	7	7	7.56	7.6	7.6	6.5	7	7	7	7.28	7.5	7.2	6.42
ORP	mV	NS	NS	105.0	156.0	95.0	-166.5	39.0	5.0	281.0	88.0	8.0	-53.0	-141.5	65.0	23.0	128.4
<b>LABORATORY PARAMETERS</b>																	
Dissolved Iron	mg/l	0.15	0.3	0.0	0.0	--	0.0	0.5	0.0	--	0.8	1.0	3.2	0.0	1.0	0.6	--
Dissolved Manganese	mg/l	0.025	0.05	--	--	--	--	--	16.5	--	--	--	519.6	678.0	--	662	--
Sulfate	mg/l	125	250	--	--	--	--	--	38.6	--	--	--	49.8	49.8	--	59.4	--
Nitrate/Nitrite	mg/l	2	10	--	--	--	--	--	14.2	--	--	--	0.09	0.13 J	--	4.4	--
Methane	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	14.0	5.0	--	--	--
Ethane	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	13.0	6.5	--	--	--
Ethene	ug/l	NS	NS	--	--	--	--	--	--	--	--	--	<1	0.5	--	--	--
Total Organic Carbon	mg/l	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--

INJECTION DEC. 2015

INJECTION DEC. 2015

**Notes:**  
 NS = No standard established  
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*ITALICS* value exceeds NR 140.10 or 140.12 PAL  
 \*: Public Welfare Standard from Table 2, NR 140.12  
 \*\*: Values beyond standard range of concentration, meter operation suspect

**Attachment A**  
**Post-Injection Monitoring Report**  
**Form**





**Attachment B**  
**Fehr-Graham Field Activities Data**

Well **San Drain In Bldg** Total Depth **3.1 Ft** dry

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	11:12	Pre Inject	0.0	20.9	0	0	0	
12/1/15	9:45	Inject	0.0	20.9	0	0	0	
12/1/15	14:30	Inject	0.0	20.9	0	0	0	
12/2/15	08:05	Inject	0.0	20.9	0	0	0	
12/2/15	15:30	Inject	0.0	20.9	0	0	0	
12/3/15	08:10	Inject	0.0	20.9	0	0	0	
12/3/15	14:22	Inject	0.0	20.9	0	0	0	
12/4/15	07:01	Inject	0.0	20.9	0	0	0	

San Manhole in 64th SW

Well

Site

Total Depth

8.1 Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	11:00	Pre Inject	0.0	20.9	0	0	0	
12/1/15	9:55	Inject	0.0	20.9	0	0	0	
12/1/15	14:34	Inject	0.0	20.9	0	0	0	
12/2/15	8:07	Inject	0.0	20.9	0	0	0	
12/2/15	15:31	Inject	0.0	20.9	0	0	0	
12/3/15	8:13	Inject	0.0	20.9	0	0	0	
12/3/15	14:25	Inject	0.0	20.9	0	0	0	
12/4/15	7:05	Inject	0.0	20.9	0	0	0	

Well **CB North 6310 Pkg Lot** Total Depth **2.9 Ft** to leaves

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	11:05	Pre Inject	0.0	20.9	0	0	0	
12/1/15	9:37	Inject	0.0	20.9	0	0	0	
12/1/15	14:38	Inject	0.0	20.9	0	0	0	
12/2/15	8:15	Inject	0.0	20.9	0	0	0	
12/2/15	15:40	Inject	0.0	20.9	0	0	0	
12/3/15	8:20	Inject	0.0	20.9	0	0	0	
12/3/15	14:34	Inject	0.0	20.9	0	0	0	
12/4/15	7:12	Inject	0.0	20.9	0	0	0	

Well      **CB South 6310 Pkg Lot**      Total Depth      3.0 Ft      to leaves

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	11:10	Pre Inject	0.0	20.9	0	0	0	
12/1/15	9:38	Inject	0.0	20.9	0	0	0	
12/1/15	14:40	Inject	0.0	20.9	0	0	0	
12/2/15	8:12	Inject	0.0	20.9	0	0	0	
12/2/15	15:38	Inject	0.0	20.9	0	0	0	
12/3/15	8:18	Inject	0.0	20.9	0	0	0	
12/3/15	14:30	Inject	0.0	20.9	0	0	0	
12/4/15	7:10	Inject	0.0	20.9	0	0	0	

Well **CB South in Bluemnd** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	11:14	Pre Inject	0.0	20.9	0	0	0	
12/1/15	9:30	Inject	0.0	20.9	0	0	0	
12/1/15	14:42	Inject	0.0	20.9	0	0	0	
12/2/15	8:10	Inject	0.0	20.9	0	0	0	
12/2/15	15:35	Inject	0.0	20.9	0	0	0	
12/3/15	8:16	Inject	0.0	20.9	0	0	0	
12/3/15	14:27	Inject	0.0	20.9	0	0	0	
12/4/15	7:07	Inject	0.0	20.9	0	0	0	

Well **PZ-1** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	9:53	Pre Inject	0.0	20.9	2	0	0	
12/1/15	AM	Inject	--	--	--	--	--	Couldn't access, vehicle on top of
12/1/15	14:50	Inject	0.0	20.9	0	0	0	
12/2/15	8:23	Inject	0.0	20.9	0	0	0	
12/2/15	15:26	Inject	0.0	20.9	0	0	0	
12/3/15	8:32	Inject	0.0	20.9	0	0	0	
12/3/15	14:08	Inject	0.0	20.9	0	0	0	
12/4/15	7:30	Inject	0.0	20.9	0	0	0	
12/4/15	11:34	Inject	0.0	20.9	0	0	0	

Well **MW-1** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	11:45	Pre Inject	0.0	20.9	0	0	0	
12/1/15	9:35	Inject	0.0	20.9	0	0	0	
12/1/15	14:49	Inject	0.0	20.9	0	0	0	
12/2/15	8:15	Inject	0.0	20.9	0	0	0	
12/2/15	15:03	Inject	0.0	20.9	0	0	0	
12/3/15	8:23	Inject	0.0	20.9	0	0	0	
12/3/15	14:02	Inject	0.0	20.9	0	0	0	
12/3/15	7:14	Inject	0.0	20.9	0	0	0	
12/4/15	11:12	Inject	0.0	20.9	0	0	0	
12/7/15	--	Post-Inj	--	20.9	0	0	0	



Well **PZ-2** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	10:20	Pre Inject	0.0	20.9	0	0	0	
11/30/15	14:42	Inject	0.0	20.9	0	0	0	
12/1/15	9:17	Inject	0.0	20.9	0	0	0	
12/1/15	14:55	Inject	0.0	20.9	0	0	0	
12/2/15	8:26	Inject	0.0	20.9	0	0	0	
12/2/15	12:07	Inject	0.0	20.9	0	0	0	
12/2/15	15:13	Inject	0.0	20.9	0	0	0	
12/3/15	8:37	Inject	0.0	20.9	0	0	0	
12/3/15	14:13	Inject	0.0	20.9	0	0	0	
12/4/15	7:32	Inject	0.0	20.9	0	0	0	
12/4/15	11:40	Inject	0.0	20.9	0	0	0	
12/7/15	--	Post-Inj	--	19.1-20.1	>10	0	>50	slight unknown odor

Well **MW-3** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	10:40	Pre Inject	0.0	20.9	2	0	0	
12/1/15	9:30	Inject	0.0	20.9	0	0	0	
12/1/15	14:48	Inject	0.0	20.9	0	0	0	
12/2/15	8:16	Inject	0.0	20.9	0	0	0	
12/2/15	15:06	Inject	0.0	20.9	0	0	0	
12/3/15	8:25	Inject	0.0	20.9	0	0	0	
12/3/15	14:06	Inject	0.0	20.9	0	0	0	
12/4/15	7:17	Inject	0.0	20.9	0	0	0	
12/4/15	11:18	Inject	0.0	20.9	0	0	0	
12/7/15	--	Post-Inj	--	20.9	0	0	0	

Well **SMW-3** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	9:57	Pre Inject	0.0	20.9	0	0	0	
12/1/15	9:25	Inject	0.0	20.9	0	0	0	
12/1/15	14:53	Inject	0.0	20.9	0	0	0	
12/2/15	8:18	Inject	0.0	20.9	0	0	0	
12/2/15	11:03	Inject	0.0	20.9	0	0	0	
12/2/15	15:10	Inject	0.0	20.9	0	0	0	
12/3/15	8:30	Inject	0.0	20.9	0	0	0	
12/3/15	13:55	Inject	0.0	20.9	0	0	0	
12/4/15	7:22	Inject	0.0	20.9	0	0	0	
12/4/15	11:28	Inject	10.1	18.2	0	0	5	
12/23/15	--	Post-Inj	--	9.1	>1000	0	>100	Possible issue w/ meter

Well **SMW-4** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	10:23	Pre Inject	0.0	20.9	0	0	0	
11/30/15	14:40	Inject	0.0	20.9	0	0	0	
12/1/15	9:20	Inject	0.0	20.9	0	0	0	
12/1/15	14:56	Inject	0.0	20.9	0	0	0	
12/2/15	8:28	Inject	0.0	20.9	0	0	0	
12/2/15	12:00	Inject	0.0	20.9	0	0	0	
12/2/15	15:18	Inject	0.0	20.9	0	0	0	
12/3/15	8:39	Inject	0.0	20.9	0	0	0	
12/3/15	14:15	Inject	0.0	20.9	0	0	0	
12/4/15	7:35	Inject	0.0	20.9	0	0	0	
12/4/15	11:39	Inject	0.0	20.9	0	0	0	
12/7/15	--	Post-Inj	--	--	>10	0	>100	Unknown odor
12/23/15	--	Post-Inj	--	30	>1000	0	>38	Possible issue w/ meter

Well **SMW-6** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	13:00	Pre-Inject	0.0	20.9	0	0	0	
12/1/15	9:28	Inject	0.0	20.9	0	0	0	
12/1/15	14:47	Inject	0.0	20.9	0	0	0	
12/2/15	8:20	Inject	0.0	20.9	0	0	0	
12/2/15	11:05	Inject	0.0	20.9	0	0	0	
12/2/15	15:20	Inject	0.0	20.9	0	0	0	
12/3/15	8:28	Inject	0.0	20.9	0	0	0	
12/3/15	14:00	Inject	0.0	20.9	0	0	0	
12/4/15	7:25	Inject	0.0	20.9	0	0	0	
12/4/15	11:20	Inject	0.0	20.9	0	0	0	
12/23/15	--	Post- Inj	--	21.9	0	0	0	Possible issue w/ meter

Well **SMW-7** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	10:16	Pre-Inject	0.0	20.9	0	0	0	
12/1/15	9:39	Inject	0.0	20.9	0	0	0	
12/1/15	14:45	Inject	0.0	20.9	0	0	0	
12/2/15	8:21	Inject	0.0	20.9	0	0	0	
12/2/15	11:07	Inject	0.0	20.9	0	0	0	
12/2/15	15:22	Inject	0.0	20.9	0	0	0	
12/3/15	8:45	Inject	0.0	20.9	0	0	0	
12/3/15	14:20	Inject	4.4	20.0	8	0	0	
12/4/15	7:38	Inject	0.0	19.3	0	0	0	
12/4/15	11:24	Inject	0.0	19.9	0	0	0	
12/23/15	--	Post-Inj	--	18.1	31	0	0	Possible issue w/ meter

Well **SMW-8** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	14:20	Pre-Inject	0.0	20.9	0	0	0	
12/1/15	9:43	Inject	0.0	20.9	0	0	0	
12/1/15	14:58	Inject	0.0	20.9	0	0	0	
12/2/15	8:30	Inject	0.0	20.9	0	0	0	
12/2/15	15:01	Inject	0.0	20.9	0	0	0	
12/3/15	8:41	Inject	0.0	20.9	0	0	0	
12/4/15	7:40	Inject	0.0	18.9 low	2	0	0	
12/4/15	11:48	Inject	0.0	20.9	0	0	0	
12/23/15	--	Post-Inj	--	20.9	0	0	0	Possible issue w/meter

Well **SMW-9** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	9:50	Pre-Inject	0.0	20.9	0	0	0	
12/1/15	9:23	Inject	0.0	20.9	0	0	0	
12/1/15	14:51	Inject	0.0	20.9	0	0	0	
12/2/15	8:32	Inject	0.0	20.9	0	0	0	
12/2/15	12:03	Inject	0.0	20.9	0	0	0	
12/2/15	15:24	Inject	0.0	20.9	0	0	0	
12/3/15	8:34	Inject	0.0	20.9	0	0	0	
12/3/15	14:10	Inject	0.0	19.5	0	0	0	
12/4/15	7:27	Inject	0.0	20.9	0	0	0	
12/4/15	11:32	Inject	0.0	20.2	0	0	2	
12/7/15	--	Post-Inj	--	20.9	0	0	0	



Well **SMW-10** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	10:30	Pre-Inject	65.8	20.9	4	0	5	
12/1/15	9:07	Inject	69.2	19.6	15	0	15	
12/1/15	15:00	Inject	42.2	20.9	0	0	5	
12/2/15	8:35	Inject	55.5	20.4	23	0	0	
12/2/15	15:28	Inject	62.3	20.9	39	0	16	
12/3/15	8:50	Inject	145.6	16.8	234	0	100+	
12/3/15	14:35	Inject	13.1	20.9	14	0	2	
12/3/15	15:25	Inject	28.9	20.9	12	0	5	
12/4/15	7:45	Inject	99.3	19.6	25	0	10	
12/4/15	11:53	Inject	36.4	20.3	5	0	5	
12/7/15	--	Post-Inj	--	--	>10	0	>20	
12/23/15	--	Post-Inj	--	0	>1000	0	>100	Possible issue w/ meter

Well **SMW-11** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	COMMENTS
12/3/15	14:30	Inject	--	--	--	--	0	
12/3/15	14:35	Inject	--	--	--	--	0	
12/3/15	14:40	Inject	--	--	--	--	0	
		Inject						
		Inject						
		Inject						
		Inject						
		Inject						

Well **SMW-12** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
12/3/15	14:30	Inject	--	--	--	--	0	
12/3/15	14:35	Inject	--	--	--	--	0	
12/3/15	14:40	Inject	--	--	--	--	0	
		Inject						
		Inject						
		Inject						
		Inject						
		Inject						

Well **SMW-13** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	FOUR GAS METER				COMMENTS	
			PID (ppm)	O2 (%)	CO2 (ppm)	H2S (ppm)		LEL %
12/3/15	14:30	Inject	--	--	--	--	0	
12/3/15	14:35	Inject	--	--	--	--	0	
12/3/15	14:40	Inject	--	--	--	--	0	
		Inject						
		Inject						
		Inject						
		Inject						
		Inject						

Well **SMW-14** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
12/3/15	14:00	Inject	--	19.8	79+	0	100+	
12/3/15	15:30	Inject	59.3	20.9	30	0	10	
12/4/15	8:00	Inject	57+	19.1	79+	0	78+	
12/4/15	10:00	Inject	48.0	19.8	90	0	23	
		Inject						
		Inject						
		Inject						
		Inject						

518 64th Laundry Room

Well \_\_\_\_\_ Sump \_\_\_\_\_ Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	9:30	Pre-Inject	0.0	20.9	0	0	0	
11/30/15	15:16	Inject	0.0	20.9	0	0	0	
12/1/15	12:06	Inject	0.0	20.9	0	0	0	
12/2/15	11:20	Inject	0.0	20.9	0	0	0	
12/2/15	14:55	Inject	0.0	20.9	0	0	0	
12/3/15	12:00	Inject	0.0	20.9	0	0	0	
12/4/15	9:00	Inject	0.0	20.9	0	0	0	
12/7/15	--	Post-Inj	--	20.9	0	0	0	
12/23/15	--	Post-Inj	--	20.1	0	0	0	Possible issue w/ meter

Well **518 64th Rec Room Sump** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
				O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %	
11/30/15	9:30	Pre-Inject	0.0	20.9	0	0	0	
11/30/15	15:15	Inject	0.0	20.9	0	0	0	
12/1/15	12:05	Inject	0.0	20.9	0	0	0	
12/2/15	11:18	Inject	0.0	20.9	0	0	0	
12/2/15	14:57	Inject	0.0	20.9	0	0	0	
12/3/15	12:00	Inject	0.0	20.9	0	0	0	
12/4/15	9:00	Inject	0.0	20.9	0	0	0	
12/7/15	--	Post-Inj	--	20.9	0	0	0	
12/23/15	--	Post-Inj	--	20.1	0	0	0	Possible issue w/ meter

Well **518 64th Basement**  
**Ambient** Total Depth \_\_\_\_\_ Ft

Date / Time		Why?	PID (ppm)	FOUR GAS METER				COMMENTS
			O2 (%)	CO2 (ppm)	H2S (ppm)	LEL %		
11/30/15	9:31	Pre-Inject	0.0	20.9	0	0	0	
11/30/15	15:17	Inject	0.0	20.9	0	0	0	
12/1/15	12:07	Inject	0.0	20.9	0	0	0	
12/2/15	11:19	Inject	0.0	20.9	0	0	0	
12/2/15	15:00	Inject	0.0	20.9	0	0	0	
12/3/15	12:01	Inject	0.0	20.9	0	0	0	
12/4/15	9:01	Inject	0.0	20.9	0	0	0	
12/7/15	--	Post-Inj	--	20.9	0	0	0	
12/23/15	--	Post-Inj	--	20.1	0	0	0	Possible issue w/ meter



Well **PZ-1** Total Depth 34.60 Ft

				YSI Meter					
Date / Time		Why?	Water Level (ft brl)	Change (ft) from Pre	D.O. (ppm)	pH (s.u.)	Cond (umhos / cm)	ORP	COMMENTS
11/30/15	10:15	Pre Inject	10.51	--	8.39	10.58	366	98.0	
12/1/15	7:20	Inject	10.61	-0.10	8.31	11.00	378	60.1	
12/1/15	13:03	Inject	10.60	-0.09	8.64	10.73	374	-68.0	
12/1/15	15:45	Inject	10.60	-0.09	8.25	10.71	384	42.3	
12/2/15	7:55	Inject	10.59	-0.08	7.49	10.63	371	-84.3	
12/2/15	12:42	Inject	10.60	-0.09	7.39	10.68	374	-60.7	
12/2/15	15:50	Inject	10.60	-0.09	7.80	10.63	400	69.9	
12/3/15	7:30	Inject	10.68	-0.17	6.39	10.29	382	46.3	
12/3/15	11:40	Inject	10.73	-0.22	7.22	10.41	402	56.7	
12/4/15	8:55	Inject	10.63	-0.12	5.66	10.19	427	-57.2	
12/23/15	--	Post-Inj	11.18	-0.67	1.57	9.75	488	-234.7	

Well **MW-1** Total Depth **16.26 Ft**

				YSI Meter					
Date / Time		Why?	Water Level (ft brl)	Change (ft) from Pre	D.O. (ppm)	pH (s.u.)	Cond (umhos / cm)	ORP	COMMENTS
11/30/15	11:20	Pre Inject	10.77	--	5.81	6.58	3652	83.1	
12/1/15	8:30	Inject	9.78	0.99	6.83	6.68	3577	127.8	
12/1/15	12:30	Inject	9.78	0.99	7.62	6.67	3587	164.9	
12/2/15	7:22	Inject	10.17	0.6	7.52	6.65	3631	197.1	
12/2/15	12:55	Inject	10.13	0.64	7.44	6.68	3662	52.7	
12/3/15	7:10	Inject	10.56	0.21	7.90	6.73	3555	182.1	
12/3/15	11:25	Inject	10.05	0.72	5.60	6.59	3766	166.2	
12/4/15	8:22	Inject	10.75	0.02	5.63	6.80	3639	91.1	

Well **PZ-2** Total Depth 34.58 Ft

				YSI Meter					
Date / Time	Why?	Water Level (ft brl)	Change (ft) from Pre	D.O. (ppm)	pH (s.u.)	Cond (umhos / cm)	ORP	COMMENTS	
11/30/15	9:48	Pre Inject	12.08	--	5.83	6.63	2209	234.0	
11/30/15	14:20	Inject	12.08	0.00	6.08	7.24	2190	69.0	
12/1/15	7:30	Inject	11.94	0.14	6.61	7.32	2161	66.3	
12/1/15	9:20	Inject	11.91	0.17	6.59	7.26	2176	61.1	
12/1/15	10:10	Inject	11.93	0.15	6.66	7.22	2171	141.8	
12/1/15	11:02	Inject	11.94	0.14	6.50	7.23	2181	82.8	
12/1/15	12:57	Inject	11.93	0.15	6.39	7.23	2192	126.8	
12/2/15	7:45	Inject	11.79	0.29	6.49	7.21	2179	153.4	
12/2/15	11:59	Inject	11.77	0.31	5.48	7.23	2207	88.3	
12/2/15	13:05	Inject	11.76	0.32	5.32	7.28	2199	59.8	
12/3/15	7:37	Inject	11.78	0.30	5.00	7.75	2167	130.9	
12/3/15	11:40	Inject	11.79	0.29	2.95	7.69	2188	136.2	
12/4/15	8:45	Inject	11.77	0.31	3.32	7.15	2149	-22.3	
12/23/15	--	Post-Inj	11.95	0.13	2.46	7.13	2182	-79.0	

Well **SMW-3** Total Depth 14.91 Ft

					YSI Meter				
Date / Time		Why?	Water Level (ft brl)	Change (ft) from Pre	D.O. (ppm)	pH (s.u.)	Cond (umhos / cm)	ORP	COMMENTS
11/30/15	10:30	Pre Inject	11.18	--	4.83	6.67	3333	109.4	
12/1/15	8:15	Inject	10.62	0.56	4.95	6.68	3475	111.2	
12/1/15	12:52	Inject	10.46	0.72	5.13	6.67	3303	135.7	
12/1/15	15:40	Inject	8.88	2.30	4.98	6.68	3700	179.3	
12/2/15	7:30	Inject	10.84	0.34	3.89	6.72	2434	176.8	
12/2/15	10:48	Inject	9.75	1.43	3.31	6.76	2554	169.3	
12/2/15	13:35	Inject	9.57	1.61	4.60	6.77	2323	90.0	
12/3/15	7:24	Inject	10.69	0.49	3.84	6.81	2702	152.4	
12/3/15	10:50	Inject	10.18	1.00	4.30	6.87	2728	192.0	
12/3/15	13:30	Inject	10.40	0.78	3.55	6.89	2753	89.5	
12/4/15	8:35	Inject	10.96	0.22	3.82	6.87	2650	111.2	
12/23/15	--	Post-Inj	11.1	0.08	1.84	5.96	6691	-57.5	

Well **SMW-4** Total Depth 16.32 Ft

					YSI Meter				
Date / Time		Why?	Water Level (ft brl)	Change (ft) from Pre	D.O. (ppm)	pH (s.u.)	Cond (umhos / cm)	ORP	COMMENTS
11/30/15	9:59	Pre Inject	9.22	--	2.86	6.62	4769	153.2	
11/30/15	14:25	Inject	8.70	0.52	1.88	6.62	4654	163.1	
11/30/15	16:00	Inject	8.39	0.83	2.51	6.65	4597	71.6	
12/1/15	7:35	Inject	7.54	1.68	3.07	6.75	4675	78.1	
12/1/15	9:30	Inject	7.33	1.89	3.68	6.64	4728	57.2	
12/1/15	10:05	Inject	7.32	1.90	3.72	6.62	4744	159.7	
12/1/15	10:56	Inject	6.59	2.63	3.47	6.62	4954	102.8	
12/1/15	12:58	Inject	7.98	1.24	3.10	6.52	4990	136.4	
12/2/15	7:40	Inject	9.99	-0.77	3.19	6.62	4202	174.1	
12/2/15	11:55	Inject	9.90	-0.68	3.20	6.67	4070	34.2	
12/2/15	13:00	Inject	9.82	-0.60	3.15	6.68	4357	80.0	
12/3/15	7:50	Inject	10.29	-1.07	1.33	6.57	4890	93.0	
12/3/15	11:35	Inject	10.17	-0.95	2.98	6.52	4951	60.1	
12/4/15	8:40	Inject	10.20	-0.98	1.36	6.22	5255	11.8	
12/23/15	--	Post-Inj	9.10	0.12	1.68	5.96	5330	-23.7	

Well **SMW-6** Total Depth 14.30 Ft

					YSI Meter				
Date / Time		Why?	Water Level (ft brl)	Change (ft) from Pre	D.O. (ppm)	pH (s.u.)	Cond (umhos / cm)	ORP	COMMENTS
11/30/15	10:40	Pre Inject	7.12	--	7.25	6.52	10528	146.7	
12/1/15	8:10	Inject	6.74	0.38	6.51	6.58	8522	100.5	
12/1/15	12:41	Inject	6.88	0.24	7.00	6.96	2456	157.8	
12/2/15	7:35	Inject	6.81	0.31	7.27	6.95	2330	167.4	
12/2/15	10:55	Inject	6.66	0.46	7.39	7.10	2243	155.3	
12/2/15	13:30	Inject	6.48	0.64	6.97	6.71	4095	80.0	
12/3/15	7:20	Inject	6.30	0.82	4.17	6.73	5079	178.9	
12/3/15	11:20	Inject	6.25	0.87	3.40	7.00	3072	153.9	
12/3/15	13:35	Inject	6.26	0.86	4.64	6.96	2895	82.5	
12/4/15	8:30	Inject	6.37	0.75	2.41	6.83	4000	98.9	
12/23/15	--	Post-Inj	7.64	-0.52	3.84	6.49	8670	170.6	

Well **SMW-7** Total Depth 15.13 Ft

				YSI Meter					
Date / Time		Why?	Water Level (ft brl)	Change (ft) from Pre	D.O. (ppm)	pH (s.u.)	Cond (umhos / cm)	ORP	COMMENTS
11/30/15	10:51	Pre Inject	7.20	--	4.53	7.09	4069	104.0	
12/1/15	8:00	Inject	6.62	0.58	6.87	7.21	3406	49.5	
12/1/15	12:45	Inject	6.56	0.64	5.40	7.09	4101	156.3	
12/2/15	7:52	Inject	6.46	0.74	6.27	7.21	3340	1.3	
12/2/15	11:00	Inject	6.44	0.76	6.84	7.28	3019	151.7	
12/2/15	13:40	Inject	6.17	1.03	4.81	7.09	3825	86.8	
12/3/15	8:02	Inject	6.59	0.61	5.78	7.25	2875	29.6	
12/3/15	10:45	Inject	6.45	0.75	5.05	7.22	3434	204.8	
12/3/15	13:40	Inject	6.12	1.08	4.29	7.18	3498	67.5	
12/4/15	9:10	Inject	6.63	0.57	4.46	7.26	2907	109.0	
12/23/15	--	Post-Inj	7.37	-0.17	4.73	7.39	2222	139.6	

Well **SMW-8** Total Depth 15.02 Ft

Date / Time		Why?	Water Level (ft brl)	Change (ft) from Pre	YSI Meter				COMMENTS
					D.O. (ppm)	pH (s.u.)	Cond (umhos / cm)	ORP	
11/30/15	12:00	Pre Inject	7.96	--	2.08	6.59	5060	147.2	
11/30/15	14:30	Inject	7.97	-0.01	1.28	6.63	5201	162.0	
11/30/15	16:05	Inject	7.93	0.03	1.28	6.62	5289	98.0	
12/1/15	7:40	Inject	7.56	0.40	2.03	6.66	5424	85.2	
12/1/15	9:25	Inject	7.48	0.48	3.18	6.68	5204	97.4	
12/1/15	10:15	Inject	7.41	0.55	3.18	6.68	5122	160.3	
12/1/15	10:50	Inject	7.37	0.59	3.09	6.62	5453	113.5	
12/1/15	12:55	Inject	7.27	0.69	2.46	6.58	5379	138.2	
12/2/15	7:50	Inject	7.26	0.70	2.56	6.61	5225	171.0	
12/2/15	13:10	Inject	7.28	0.68	1.69	6.64	5291	99.3	
12/3/15	7:41	Inject	7.80	0.16	1.84	6.57	5067	102.4	
12/3/15	11:45	Inject	7.72	0.24	3.52	6.58	5157	83.4	
12/4/15	8:50	Inject	7.74	0.22	2.25	6.55	5273	55.5	
12/23/15	8:50	Post-Inj	8.60	-0.64	1.38	6.96	5483	-19.4	



Well **SMW-9** Total Depth **15.18 Ft**

				YSI Meter					
Date / Time		Why?	Water Level (ft brl)	Change (ft) from Pre	D.O. (ppm)	pH (s.u.)	Cond (umhos / cm)	ORP	COMMENTS
11/30/15	10:20	Pre Inject	9.97	--	1.83	6.84	1840	40.1	
11/30/15	14:36	Inject	10.23	-0.26	6.24	6.78	1717	-43.8	
11/30/15	16:08	Inject	9.89	0.08	4.50	6.77	1676	-34.7	
12/1/15	7:25	Inject	9.54	0.43	5.65	6.96	1221	11.5	
12/1/15	9:15	Inject	9.48	0.49	4.33	6.77	1487	21.8	
12/1/15	10:20	Inject	9.05	0.92	2.49	6.71	1730	-35.1	
12/1/15	13:05	Inject	9.01	0.96	5.05	7.00	1622	-26.0	
12/1/15	15:50	Inject	8.60	1.37	4.36	6.81	1828	-34.4	
12/2/15	8:00	Inject	9.33	0.64	3.70	6.88	1958	-25.4	
12/2/15	11:50	Inject	8.62	1.35	2.88	6.74	1735	-23.9	
12/2/15	12:48	Inject	8.28	1.69	4.15	6.97	1852	-33.7	
12/2/15	15:59	Inject	8.55	1.42	3.32	7.04	1688	-1.1	
12/3/15	8:08	Inject	9.37	0.60	2.96	6.67	1983	-2.3	
12/3/15	11:50	Inject	8.92	1.05	0.94	6.62	2100	-10.2	
12/4/15	9:05	Inject	9.04	0.93	0.74	6.85	2380	37.6	
12/23/15	--	Post-Inj	10.23	-0.26	2.15	6.70	2271	-77.3	

Well **SMW-10** Total Depth 16.07 Ft

				YSI Meter					
Date / Time		Why?	Water Level (ft brl)	Change (ft) from Pre	D.O. (ppm)	pH (s.u.)	Cond (umhos / cm)	ORP	COMMENTS
11/30/15	11:02	Pre Inject	10.20	--	0.73	6.47	3829	-35.1	
12/1/15	7:50	Inject	9.67	0.53	1.61	6.61	3042	37.4	
12/1/15	13:09	Inject	9.38	0.82	0.30	6.45	3787	47.1	
12/2/15	7:58	Inject	9.49	0.71	0.58	6.49	3874	29.1	
12/2/15	13:15	Inject	9.55	0.65	0.37	6.51	3635	14.7	
12/3/15	7:56	Inject	10.05	0.15	0.51	6.44	3816	10.9	
12/3/15	13:15	Inject	9.96	0.24	0.33	6.46	4118	19.0	
12/4/15	9:00	Inject	10.23	-0.03	0.39	6.55	4141	-15.4	
12/23/15	--	Post-Inj	11.15	-0.95	0.19	6.88	3807	-137.5	

**Attachment C**  
**Laboratory Analytical Reports**

## CERTIFICATIONS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40125438

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302  
Florida/NELAP Certification #: E87948  
Illinois Certification #: 200050  
Kentucky Certification #: 82  
Louisiana Certification #: 04168  
Minnesota Certification #: 055-999-334  
Virginia VELAP ID: 460263

North Dakota Certification #: R-150  
South Carolina Certification #: 83006001  
Texas Certification #: T104704529-14-1  
US Dept of Agriculture #: S-76505  
Virginia VELAP ID: 460263  
Virginia VELAP Certification ID: 460263  
Wisconsin Certification #: 405132750

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40125438

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
40125438001	SMW-9	Water	11/30/15 11:45	12/01/15 14:55
40125438002	SMW-10	Water	11/30/15 11:40	12/01/15 14:55

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### SAMPLE ANALYTE COUNT

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40125438

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40125438001	SMW-9	EPA 6010	DLB, JBR	9	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40125438002	SMW-10	EPA 6010	DLB, JBR	9	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		SM 5310C	TJJ	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40125438

Sample: **SMW-9**      Lab ID: **40125438001**      Collected: 11/30/15 11:45      Received: 12/01/15 14:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Arsenic, Dissolved	<7.2	ug/L	20.0	7.2	1		12/11/15 11:49	7440-38-2	
Barium, Dissolved	141	ug/L	5.0	1.4	1		12/11/15 15:22	7440-39-3	
Cadmium, Dissolved	<0.60	ug/L	5.0	0.60	1		12/11/15 11:49	7440-43-9	
Chromium, Dissolved	<2.1	ug/L	5.0	2.1	1		12/11/15 11:49	7440-47-3	
Iron, Dissolved	1550	ug/L	100	12.9	1		12/11/15 11:49	7439-89-6	
Lead, Dissolved	3.4J	ug/L	7.5	3.0	1		12/11/15 11:49	7439-92-1	
Manganese, Dissolved	586	ug/L	5.0	1.4	1		12/11/15 11:49	7439-96-5	
Selenium, Dissolved	<6.7	ug/L	20.0	6.7	1		12/11/15 11:49	7782-49-2	
Silver, Dissolved	<2.7	ug/L	10.0	2.7	1		12/11/15 11:49	7440-22-4	
<b>7470 Mercury, Dissolved</b>		Analytical Method: EPA 7470      Preparation Method: EPA 7470							
Mercury, Dissolved	<0.10	ug/L	0.20	0.10	1	12/10/15 14:45	12/11/15 10:01	7439-97-6	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Sulfate	41.9	mg/L	20.0	10.0	5		12/10/15 11:08	14808-79-8	
<b>5310C TOC</b>		Analytical Method: SM 5310C							
Total Organic Carbon	0.51	mg/L	0.50	0.17	1		12/03/15 13:58	7440-44-0	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40125438

Sample: **SMW-10**      Lab ID: **40125438002**      Collected: 11/30/15 11:40      Received: 12/01/15 14:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Arsenic, Dissolved	10.8J	ug/L	20.0	7.2	1		12/11/15 11:51	7440-38-2	
Barium, Dissolved	220	ug/L	5.0	1.4	1		12/11/15 15:25	7440-39-3	
Cadmium, Dissolved	<0.60	ug/L	5.0	0.60	1		12/11/15 11:51	7440-43-9	
Chromium, Dissolved	<2.1	ug/L	5.0	2.1	1		12/11/15 11:51	7440-47-3	
Iron, Dissolved	4120	ug/L	100	12.9	1		12/11/15 11:51	7439-89-6	
Lead, Dissolved	<3.0	ug/L	7.5	3.0	1		12/11/15 11:51	7439-92-1	
Manganese, Dissolved	452	ug/L	5.0	1.4	1		12/11/15 11:51	7439-96-5	
Selenium, Dissolved	<6.7	ug/L	20.0	6.7	1		12/11/15 11:51	7782-49-2	
Silver, Dissolved	<2.7	ug/L	10.0	2.7	1		12/11/15 11:51	7440-22-4	
<b>7470 Mercury, Dissolved</b>		Analytical Method: EPA 7470      Preparation Method: EPA 7470							
Mercury, Dissolved	<0.10	ug/L	0.20	0.10	1	12/10/15 14:45	12/11/15 10:03	7439-97-6	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Sulfate	36.7	mg/L	20.0	10.0	5		12/10/15 11:43	14808-79-8	
<b>5310C TOC</b>		Analytical Method: SM 5310C							
Total Organic Carbon	0.61	mg/L	0.50	0.17	1		12/03/15 14:17	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40125438

QC Batch: ICP/11564 Analysis Method: EPA 6010  
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved  
Associated Lab Samples: 40125438001, 40125438002

METHOD BLANK: 1271210 Matrix: Water  
Associated Lab Samples: 40125438001, 40125438002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<7.2	20.0	12/11/15 11:30	
Barium, Dissolved	ug/L	<1.4	5.0	12/11/15 11:30	
Cadmium, Dissolved	ug/L	<0.60	5.0	12/11/15 11:30	
Chromium, Dissolved	ug/L	<2.1	5.0	12/11/15 11:30	
Iron, Dissolved	ug/L	<12.9	100	12/11/15 11:30	
Lead, Dissolved	ug/L	<3.0	7.5	12/11/15 11:30	
Manganese, Dissolved	ug/L	<1.4	5.0	12/11/15 11:30	
Selenium, Dissolved	ug/L	<6.7	20.0	12/11/15 11:30	
Silver, Dissolved	ug/L	<2.7	10.0	12/11/15 11:30	

LABORATORY CONTROL SAMPLE: 1271211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	500	537	107	80-120	
Barium, Dissolved	ug/L	500	576	115	80-120	
Cadmium, Dissolved	ug/L	500	545	109	80-120	
Chromium, Dissolved	ug/L	500	550	110	80-120	
Iron, Dissolved	ug/L	5000	5100	102	80-120	
Lead, Dissolved	ug/L	500	544	109	80-120	
Manganese, Dissolved	ug/L	500	534	107	80-120	
Selenium, Dissolved	ug/L	500	550	110	80-120	
Silver, Dissolved	ug/L	250	268	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1271212 1271213

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max		Qual	
		40125437009	Spike Conc.	Spike Conc.	Result				Result	RPD		RPD
Arsenic, Dissolved	ug/L	<7.2	500	500	486	490	96	97	75-125	1	20	
Barium, Dissolved	ug/L	30.8	500	500	503	503	94	95	75-125	0	20	
Cadmium, Dissolved	ug/L	<0.60	500	500	496	496	99	99	75-125	0	20	
Chromium, Dissolved	ug/L	<2.1	500	500	494	491	99	98	75-125	1	20	
Iron, Dissolved	ug/L	46.2J	5000	5000	4740	4710	94	93	75-125	1	20	
Lead, Dissolved	ug/L	<3.0	500	500	491	490	98	98	75-125	0	20	
Manganese, Dissolved	ug/L	701	500	500	1180	1160	95	93	75-125	1	20	
Selenium, Dissolved	ug/L	<6.7	500	500	511	513	101	102	75-125	0	20	
Silver, Dissolved	ug/L	<2.7	250	250	234	233	94	93	75-125	0	20	

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**QUALITY CONTROL DATA**

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40125438

QC Batch: MERP/5429 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved  
Associated Lab Samples: 40125438001, 40125438002

METHOD BLANK: 1271875 Matrix: Water  
Associated Lab Samples: 40125438001, 40125438002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.10	0.20	12/11/15 09:43	

LABORATORY CONTROL SAMPLE: 1271876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1271877 1271878

Parameter	Units	40125437009		1271878		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury, Dissolved	ug/L	<0.10	5	5	4.3	5.4	87	109	85-115	23	20 R1

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**QUALITY CONTROL DATA**

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40125438

QC Batch: WETA/31615 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 40125438001, 40125438002

METHOD BLANK: 1270727 Matrix: Water  
Associated Lab Samples: 40125438001, 40125438002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<2.0	4.0	12/10/15 10:22	

LABORATORY CONTROL SAMPLE: 1270728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.1	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1270729 1270730

Parameter	Units	40125438001		1270729		1270730		% Rec Limits	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result			
Sulfate	mg/L	41.9	100	100	138	137	96	95	90-110	1 20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1270731 1270732

Parameter	Units	40125579001		1270731		1270732		% Rec Limits	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result			
Sulfate	mg/L	92.7	400	400	463	460	93	92	90-110	1 20

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### QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40125438

QC Batch: WETA/31517 Analysis Method: SM 5310C  
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon  
Associated Lab Samples: 40125438001, 40125438002

METHOD BLANK: 1267702 Matrix: Water  
Associated Lab Samples: 40125438001, 40125438002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.17	0.50	12/03/15 10:11	

LABORATORY CONTROL SAMPLE: 1267703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.4	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1267704 1267705

Parameter	Units	1267704		1267705		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual	
		40125495001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Total Organic Carbon	mg/L	4.0	7.5	7.5	10.4	10.3	86	84	80-120	2	20	

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## QUALIFIERS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40125438

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above LOD.  
J - Estimated concentration at or above the LOD and below the LOQ.  
LOD - Limit of Detection adjusted for dilution factor and percent moisture.  
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 15-1209 MASTER CLEANERS

Pace Project No.: 40125438

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40125438001	SMW-9	EPA 6010	ICP/11564		
40125438002	SMW-10	EPA 6010	ICP/11564		
40125438001	SMW-9	EPA 7470	MERP/5429	EPA 7470	MERC/7555
40125438002	SMW-10	EPA 7470	MERP/5429	EPA 7470	MERC/7555
40125438001	SMW-9	EPA 300.0	WETA/31615		
40125438002	SMW-10	EPA 300.0	WETA/31615		
40125438001	SMW-9	SM 5310C	WETA/31517		
40125438002	SMW-10	SM 5310C	WETA/31517		

### REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **Fehr-Graham**  
 Branch/Location: **Plymouth, WI**  
 Project Contact: **Ken Ebbott**  
 Phone: **(920) 892-2444**  
 Project Number: **15-1209**  
 Project Name: **MASTER CLEANERS**  
 Project State: **WI**  
 Sampled By (Print): **Ken Ebbott**  
 Sampled By (Sign): *[Signature]*  
 PO #: **15-1209**



UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

40125438

### CHAIN OF CUSTODY

**Preservation Codes**  
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?  
(YES/NO)  
 PRESERVATION  
(CODE)\*

Y/N	N	N							
PK Letter	C	A	D						
Analysis Requested	TOC	Sulfate	RORA Metals						
			Dissolved Fe, Mn						

**Data Package Options** (billable)  
 EPA Level III  
 EPA Level IV

**MS/MSD**  
 On your sample (billable)  
 NOT needed on your sample

**Matrix Codes**  
 A = Air W = Water  
 B = Biota DW = Drinking Water  
 C = Charcoal GW = Ground Water  
 O = Oil SW = Surface Water  
 S = Soil WW = Waste Water  
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	SMW-9	11-30-15	11:45	GW
002	SMW-10	1	11:40	f

**Quote #:** **A DSRF/ANNA**

**Mail To Contact:** **Ken Ebbott**

**Mail To Company:** **Fehr-Graham**

**Mail To Address:** **1237 Pilgrim Rd  
Plymouth, WI 53073**

**Invoice To Contact:**

**Invoice To Company:**

**Invoice To Address:** **c/o Fehr-Graham**

**Invoice To Phone:**

**CLIENT COMMENTS:** **PRE INJECT**

**LAB COMMENTS (Lab Use Only):** **2-250mlp<sup>AD</sup>**

**Profile #:** **1-125mlp<sup>g</sup>**

**Rush Turnaround Time Requested - Prelims**  
 (Rush TAT subject to approval/surcharge)  
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:  
 Email #2:  
 Telephone:  
 Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: <b>Roxane Finner</b>	Date/Time: <b>12-1-15 11:32</b>	Received By: <b>Jasee Pace</b>	Date/Time: <b>12/1/15 11:32</b>
Relinquished By: <b>Jasee Pace</b>	Date/Time: <b>12/1/15 14:55</b>	Received By: <b>Kate Schumann</b>	Date/Time: <b>12/1/15 14:55</b>
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

**PACE Project No.** **40125438**

Receipt Temp = **20.1** °C

**Sample Receipt pH**  
 OK (Adjusted)

**Cooler Custody Seal**  
 Present / Not Present  
 Intact / Not Intact



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #: WO#: 40125438

Client Name: Fent-Giram

Courier: Fed Ex UPS Client Pace Other:



40125438

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used NA Type of Ice: Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: I/Corr: Biological Tissue Is Frozen: yes

Temp Blank Present: yes no

Person examining contents:
Date: 12/1/15
Initials: SO

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items including Chain of Custody Present, Samples Arrived within Hold Time, Short Hold Time Analysis, Rush Turn Around Time Requested, Sufficient Volume, Containers Intact, Sample Labels match COC, Headspace in VOA Vials, Trip Blank Present, etc.

Client Notification/ Resolution: If checked, see attached form for additional comments
Person Contacted: Date/Time:
Comments/ Resolution:

Project Manager Review: Date: 12-1-15



October 06, 2015

Ken Ebbott  
Fehr Graham Engineering and Environmental  
1237 Pilgrim Rd  
Plymouth, WI 53073

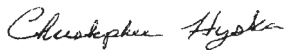
RE: Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Dear Ken Ebbott:

Enclosed are the analytical results for sample(s) received by the laboratory on October 01, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christopher Hyska  
christopher.hyska@pacelabs.com  
Project Manager

Enclosures

cc: Megan Hansen, Fehr Graham Engineering and  
Environmental



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302  
Florida/NELAP Certification #: E87948  
Illinois Certification #: 200050  
Kentucky Certification #: 82  
Louisiana Certification #: 04168  
Minnesota Certification #: 055-999-334  
Virginia VELAP ID: 460263

North Dakota Certification #: R-150  
South Carolina Certification #: 83006001  
Texas Certification #: T104704529-14-1  
US Dept of Agriculture #: S-76505  
Virginia VELAP ID: 460263  
Virginia VELAP Certification ID: 460263  
Wisconsin Certification #: 405132750

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40122052001	SMW-1	Water	09/30/15 14:50	10/01/15 15:15
40122052002	SMW-2	Water	09/30/15 11:00	10/01/15 15:15
40122052003	SMW-3	Water	09/30/15 16:00	10/01/15 15:15
40122052004	SMW-4	Water	09/30/15 16:50	10/01/15 15:15
40122052005	SMW-5	Water	09/30/15 11:20	10/01/15 15:15
40122052006	SMW-6	Water	09/30/15 12:50	10/01/15 15:15
40122052007	SMW-7	Water	09/30/15 17:25	10/01/15 15:15
40122052008	SMW-8	Water	09/30/15 15:10	10/01/15 15:15
40122052009	SMW-9	Water	09/30/15 17:50	10/01/15 15:15
40122052010	SMW-10	Water	09/30/15 17:05	10/01/15 15:15
40122052011	SMW-11	Water	09/30/15 12:25	10/01/15 15:15
40122052012	SMW-12	Water	09/30/15 13:20	10/01/15 15:15
40122052013	SMW-13	Water	09/30/15 11:40	10/01/15 15:15
40122052014	SMW-14	Water	09/30/15 12:00	10/01/15 15:15
40122052015	MW-1	Water	09/30/15 16:15	10/01/15 15:15
40122052016	MW-2	Water	09/30/15 13:40	10/01/15 15:15
40122052017	MW-3	Water	09/30/15 16:30	10/01/15 15:15
40122052018	PZ-1	Water	09/30/15 14:25	10/01/15 15:15
40122052019	PZ-2	Water	09/30/15 14:00	10/01/15 15:15
40122052020	TRIP BLANK	Water	09/30/15 00:00	10/01/15 15:15

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40122052001	SMW-1	EPA 8260	HNW	64	PASI-G
40122052002	SMW-2	EPA 8260	AJP	64	PASI-G
40122052003	SMW-3	EPA 8260	HNW	64	PASI-G
40122052004	SMW-4	EPA 8260	AJP	64	PASI-G
40122052005	SMW-5	EPA 8260	AJP	64	PASI-G
40122052006	SMW-6	EPA 8260	AJP	64	PASI-G
40122052007	SMW-7	EPA 8260	HNW	64	PASI-G
40122052008	SMW-8	EPA 8260	AJP	64	PASI-G
40122052009	SMW-9	EPA 8260	HNW	64	PASI-G
40122052010	SMW-10	EPA 8260	AJP, HNW	64	PASI-G
40122052011	SMW-11	EPA 8260	AJP	64	PASI-G
40122052012	SMW-12	EPA 8260	AJP, LAP	64	PASI-G
40122052013	SMW-13	EPA 8260	AJP	64	PASI-G
40122052014	SMW-14	EPA 8260	AJP, LAP	64	PASI-G
40122052015	MW-1	EPA 8260	AJP	64	PASI-G
40122052016	MW-2	EPA 8260	AJP	64	PASI-G
40122052017	MW-3	EPA 8260	AJP, LAP	64	PASI-G
40122052018	PZ-1	EPA 8260	AJP, LAP	64	PASI-G
40122052019	PZ-2	EPA 8260	AJP, LAP	64	PASI-G
40122052020	TRIP BLANK	EPA 8260	AJP	64	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-1      Lab ID: 40122052001      Collected: 09/30/15 14:50      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/06/15 07:11	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/06/15 07:11	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/06/15 07:11	74-83-9	
n-Butylbenzene	4.9	ug/L	1.0	0.50	1		10/06/15 07:11	104-51-8	
sec-Butylbenzene	7.2	ug/L	5.0	2.2	1		10/06/15 07:11	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/06/15 07:11	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/06/15 07:11	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/06/15 07:11	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/06/15 07:11	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/06/15 07:11	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/06/15 07:11	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/06/15 07:11	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/06/15 07:11	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/06/15 07:11	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/06/15 07:11	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/06/15 07:11	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/06/15 07:11	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/06/15 07:11	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/06/15 07:11	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/06/15 07:11	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/06/15 07:11	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/06/15 07:11	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	108-20-3	
Ethylbenzene	23.9	ug/L	1.0	0.50	1		10/06/15 07:11	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/06/15 07:11	87-68-3	
Isopropylbenzene (Cumene)	25.8	ug/L	1.0	0.14	1		10/06/15 07:11	98-82-8	
p-Isopropyltoluene	1.3	ug/L	1.0	0.50	1		10/06/15 07:11	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/06/15 07:11	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/06/15 07:11	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/06/15 07:11	91-20-3	
n-Propylbenzene	71.4	ug/L	1.0	0.50	1		10/06/15 07:11	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/06/15 07:11	630-20-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS

Pace Project No.: 40122052

Sample: **SMW-1**      Lab ID: **40122052001**      Collected: 09/30/15 14:50      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/06/15 07:11	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/06/15 07:11	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/06/15 07:11	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/06/15 07:11	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/06/15 07:11	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/06/15 07:11	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	96-18-4	
1,2,4-Trimethylbenzene	0.91J	ug/L	1.0	0.50	1		10/06/15 07:11	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/06/15 07:11	75-01-4	
m&p-Xylene	2.3	ug/L	2.0	1.0	1		10/06/15 07:11	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/06/15 07:11	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/06/15 07:11	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		10/06/15 07:11	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/06/15 07:11	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-2 Lab ID: 40122052002 Collected: 09/30/15 11:00 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 15:54	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 15:54	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 15:54	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 15:54	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 15:54	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 15:54	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 15:54	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 15:54	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 15:54	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 15:54	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 15:54	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 15:54	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 15:54	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 15:54	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/03/15 15:54	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 15:54	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 15:54	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 15:54	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 15:54	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 15:54	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 15:54	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 15:54	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 15:54	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 15:54	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 15:54	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 15:54	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 15:54	630-20-6	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: **SMW-2**      Lab ID: **40122052002**      Collected: 09/30/15 11:00      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 15:54	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 15:54	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 15:54	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 15:54	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/03/15 15:54	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 15:54	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/03/15 15:54	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 15:54	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:54	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/03/15 15:54	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		10/03/15 15:54	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/03/15 15:54	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-3      Lab ID: 40122052003      Collected: 09/30/15 16:00      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	96.3	ug/L	10.0	5.0	10		10/06/15 07:34	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		10/06/15 07:34	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		10/06/15 07:34	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		10/06/15 07:34	74-83-9	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	104-51-8	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		10/06/15 07:34	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		10/06/15 07:34	98-06-6	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		10/06/15 07:34	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		10/06/15 07:34	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	74-87-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		10/06/15 07:34	106-43-4	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		10/06/15 07:34	96-12-8	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	124-48-1	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		10/06/15 07:34	106-93-4	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		10/06/15 07:34	74-95-3	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	95-50-1	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	541-73-1	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	106-46-7	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		10/06/15 07:34	75-71-8	
1,1-Dichloroethane	<2.4	ug/L	10.0	2.4	10		10/06/15 07:34	75-34-3	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		10/06/15 07:34	107-06-2	
1,1-Dichloroethene	7.5J	ug/L	10.0	4.1	10		10/06/15 07:34	75-35-4	
cis-1,2-Dichloroethene	1350	ug/L	10.0	2.6	10		10/06/15 07:34	156-59-2	
trans-1,2-Dichloroethene	15.4	ug/L	10.0	2.6	10		10/06/15 07:34	156-60-5	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		10/06/15 07:34	78-87-5	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	142-28-9	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		10/06/15 07:34	594-20-7	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		10/06/15 07:34	563-58-6	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		10/06/15 07:34	10061-02-6	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	108-20-3	
Ethylbenzene	204	ug/L	10.0	5.0	10		10/06/15 07:34	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		10/06/15 07:34	87-68-3	
Isopropylbenzene (Cumene)	20.7	ug/L	10.0	1.4	10		10/06/15 07:34	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	99-87-6	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		10/06/15 07:34	75-09-2	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		10/06/15 07:34	1634-04-4	
Naphthalene	<25.0	ug/L	50.0	25.0	10		10/06/15 07:34	91-20-3	
n-Propylbenzene	41.7	ug/L	10.0	5.0	10		10/06/15 07:34	103-65-1	
Styrene	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	100-42-5	
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		10/06/15 07:34	630-20-6	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS

Pace Project No.: 40122052

Sample: **SMW-3** Lab ID: **40122052003** Collected: 09/30/15 16:00 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		10/06/15 07:34	79-34-5	
Tetrachloroethene	21.0	ug/L	10.0	5.0	10		10/06/15 07:34	127-18-4	
Toluene	31.0	ug/L	10.0	5.0	10		10/06/15 07:34	108-88-3	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		10/06/15 07:34	87-61-6	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		10/06/15 07:34	120-82-1	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	71-55-6	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		10/06/15 07:34	79-00-5	
Trichloroethene	92.2	ug/L	10.0	3.3	10		10/06/15 07:34	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		10/06/15 07:34	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	96-18-4	
1,2,4-Trimethylbenzene	14.0	ug/L	10.0	5.0	10		10/06/15 07:34	95-63-6	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/06/15 07:34	108-67-8	
Vinyl chloride	229	ug/L	10.0	1.8	10		10/06/15 07:34	75-01-4	
m&p-Xylene	19.7J	ug/L	20.0	10.0	10		10/06/15 07:34	179601-23-1	
o-Xylene	11.9	ug/L	10.0	5.0	10		10/06/15 07:34	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		10		10/06/15 07:34	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		10		10/06/15 07:34	1868-53-7	
Toluene-d8 (S)	97	%	70-130		10		10/06/15 07:34	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: **SMW-4**      Lab ID: **40122052004**      Collected: 09/30/15 16:50      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 16:16	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 16:16	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 16:16	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 16:16	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 16:16	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 16:16	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 16:16	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 16:16	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 16:16	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 16:16	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 16:16	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 16:16	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 16:16	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 16:16	107-06-2	
1,1-Dichloroethene	0.42J	ug/L	1.0	0.41	1		10/03/15 16:16	75-35-4	
cis-1,2-Dichloroethene	70.6	ug/L	1.0	0.26	1		10/03/15 16:16	156-59-2	
trans-1,2-Dichloroethene	4.6	ug/L	1.0	0.26	1		10/03/15 16:16	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 16:16	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 16:16	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 16:16	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 16:16	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 16:16	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 16:16	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 16:16	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 16:16	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 16:16	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 16:16	630-20-6	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: **SMW-4** Lab ID: **40122052004** Collected: 09/30/15 16:50 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 16:16	79-34-5	
Tetrachloroethene	112	ug/L	1.0	0.50	1		10/03/15 16:16	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 16:16	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 16:16	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 16:16	79-00-5	
Trichloroethene	14.1	ug/L	1.0	0.33	1		10/03/15 16:16	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 16:16	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/03/15 16:16	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 16:16	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:16	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/03/15 16:16	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		10/03/15 16:16	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/03/15 16:16	2037-26-5	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-5 Lab ID: 40122052005 Collected: 09/30/15 11:20 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 12:54	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 12:54	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 12:54	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 12:54	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 12:54	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 12:54	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 12:54	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 12:54	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 12:54	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 12:54	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 12:54	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 12:54	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 12:54	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 12:54	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/03/15 12:54	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 12:54	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 12:54	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 12:54	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 12:54	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 12:54	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 12:54	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 12:54	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 12:54	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 12:54	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 12:54	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 12:54	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 12:54	630-20-6	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-5      Lab ID: 40122052005      Collected: 09/30/15 11:20      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 12:54	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 12:54	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 12:54	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 12:54	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/03/15 12:54	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 12:54	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/03/15 12:54	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 12:54	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 12:54	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		10/03/15 12:54	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		10/03/15 12:54	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/03/15 12:54	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-6      Lab ID: 40122052006      Collected: 09/30/15 12:50      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 16:38	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 16:38	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 16:38	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 16:38	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 16:38	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 16:38	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 16:38	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 16:38	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 16:38	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 16:38	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 16:38	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 16:38	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 16:38	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 16:38	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/03/15 16:38	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 16:38	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 16:38	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 16:38	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 16:38	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 16:38	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 16:38	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 16:38	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 16:38	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 16:38	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 16:38	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 16:38	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 16:38	630-20-6	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-6      Lab ID: 40122052006      Collected: 09/30/15 12:50      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 16:38	79-34-5	
Tetrachloroethene	2.8	ug/L	1.0	0.50	1		10/03/15 16:38	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 16:38	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 16:38	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 16:38	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/03/15 16:38	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 16:38	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/03/15 16:38	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 16:38	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:38	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/03/15 16:38	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		10/03/15 16:38	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/03/15 16:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-7 Lab ID: 40122052007 Collected: 09/30/15 17:25 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	71-43-2	
Bromobenzene	<9.2	ug/L	40.0	9.2	40		10/06/15 07:56	108-86-1	
Bromochloromethane	<13.6	ug/L	40.0	13.6	40		10/06/15 07:56	74-97-5	
Bromodichloromethane	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	75-27-4	
Bromoform	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	75-25-2	
Bromomethane	<97.4	ug/L	200	97.4	40		10/06/15 07:56	74-83-9	
n-Butylbenzene	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	104-51-8	
sec-Butylbenzene	<87.4	ug/L	200	87.4	40		10/06/15 07:56	135-98-8	
tert-Butylbenzene	<7.2	ug/L	40.0	7.2	40		10/06/15 07:56	98-06-6	
Carbon tetrachloride	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	56-23-5	
Chlorobenzene	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	108-90-7	
Chloroethane	<15.0	ug/L	40.0	15.0	40		10/06/15 07:56	75-00-3	
Chloroform	<100	ug/L	200	100	40		10/06/15 07:56	67-66-3	
Chloromethane	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	74-87-3	
2-Chlorotoluene	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	95-49-8	
4-Chlorotoluene	<8.5	ug/L	40.0	8.5	40		10/06/15 07:56	106-43-4	
1,2-Dibromo-3-chloropropane	<86.6	ug/L	200	86.6	40		10/06/15 07:56	96-12-8	
Dibromochloromethane	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	124-48-1	
1,2-Dibromoethane (EDB)	<7.1	ug/L	40.0	7.1	40		10/06/15 07:56	106-93-4	
Dibromomethane	<17.1	ug/L	40.0	17.1	40		10/06/15 07:56	74-95-3	
1,2-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	95-50-1	
1,3-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	541-73-1	
1,4-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	106-46-7	
Dichlorodifluoromethane	<9.0	ug/L	40.0	9.0	40		10/06/15 07:56	75-71-8	
1,1-Dichloroethane	<9.7	ug/L	40.0	9.7	40		10/06/15 07:56	75-34-3	
1,2-Dichloroethane	<6.7	ug/L	40.0	6.7	40		10/06/15 07:56	107-06-2	
1,1-Dichloroethene	<16.4	ug/L	40.0	16.4	40		10/06/15 07:56	75-35-4	
cis-1,2-Dichloroethene	<10.2	ug/L	40.0	10.2	40		10/06/15 07:56	156-59-2	
trans-1,2-Dichloroethene	<10.3	ug/L	40.0	10.3	40		10/06/15 07:56	156-60-5	
1,2-Dichloropropane	<9.3	ug/L	40.0	9.3	40		10/06/15 07:56	78-87-5	
1,3-Dichloropropane	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	142-28-9	
2,2-Dichloropropane	<19.4	ug/L	40.0	19.4	40		10/06/15 07:56	594-20-7	
1,1-Dichloropropene	<17.6	ug/L	40.0	17.6	40		10/06/15 07:56	563-58-6	
cis-1,3-Dichloropropene	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	10061-01-5	
trans-1,3-Dichloropropene	<9.2	ug/L	40.0	9.2	40		10/06/15 07:56	10061-02-6	
Diisopropyl ether	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	108-20-3	
Ethylbenzene	2400	ug/L	40.0	20.0	40		10/06/15 07:56	100-41-4	
Hexachloro-1,3-butadiene	<84.2	ug/L	200	84.2	40		10/06/15 07:56	87-68-3	
Isopropylbenzene (Cumene)	49.7	ug/L	40.0	5.7	40		10/06/15 07:56	98-82-8	
p-Isopropyltoluene	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	99-87-6	
Methylene Chloride	<9.3	ug/L	40.0	9.3	40		10/06/15 07:56	75-09-2	
Methyl-tert-butyl ether	<7.0	ug/L	40.0	7.0	40		10/06/15 07:56	1634-04-4	
Naphthalene	273	ug/L	200	100	40		10/06/15 07:56	91-20-3	
n-Propylbenzene	119	ug/L	40.0	20.0	40		10/06/15 07:56	103-65-1	
Styrene	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	100-42-5	
1,1,1,2-Tetrachloroethane	<7.2	ug/L	40.0	7.2	40		10/06/15 07:56	630-20-6	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-7 Lab ID: 40122052007 Collected: 09/30/15 17:25 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<10	ug/L	40.0	10	40		10/06/15 07:56	79-34-5	
Tetrachloroethene	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	127-18-4	
Toluene	70.3	ug/L	40.0	20.0	40		10/06/15 07:56	108-88-3	
1,2,3-Trichlorobenzene	<85.3	ug/L	200	85.3	40		10/06/15 07:56	87-61-6	
1,2,4-Trichlorobenzene	<88.4	ug/L	200	88.4	40		10/06/15 07:56	120-82-1	
1,1,1-Trichloroethane	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	71-55-6	
1,1,2-Trichloroethane	<7.9	ug/L	40.0	7.9	40		10/06/15 07:56	79-00-5	
Trichloroethene	<13.2	ug/L	40.0	13.2	40		10/06/15 07:56	79-01-6	
Trichlorofluoromethane	<7.4	ug/L	40.0	7.4	40		10/06/15 07:56	75-69-4	
1,2,3-Trichloropropane	<20.0	ug/L	40.0	20.0	40		10/06/15 07:56	96-18-4	
1,2,4-Trimethylbenzene	1530	ug/L	40.0	20.0	40		10/06/15 07:56	95-63-6	
1,3,5-Trimethylbenzene	349	ug/L	40.0	20.0	40		10/06/15 07:56	108-67-8	
Vinyl chloride	<7.0	ug/L	40.0	7.0	40		10/06/15 07:56	75-01-4	
m&p-Xylene	9050	ug/L	80.0	40.0	40		10/06/15 07:56	179601-23-1	
o-Xylene	2780	ug/L	40.0	20.0	40		10/06/15 07:56	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		40		10/06/15 07:56	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		40		10/06/15 07:56	1868-53-7	
Toluene-d8 (S)	98	%	70-130		40		10/06/15 07:56	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: **SMW-8** Lab ID: **40122052008** Collected: 09/30/15 15:10 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 17:01	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 17:01	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 17:01	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 17:01	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 17:01	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 17:01	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 17:01	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 17:01	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 17:01	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 17:01	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 17:01	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 17:01	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 17:01	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 17:01	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/03/15 17:01	75-35-4	
cis-1,2-Dichloroethene	2.0	ug/L	1.0	0.26	1		10/03/15 17:01	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 17:01	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 17:01	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 17:01	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 17:01	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 17:01	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 17:01	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 17:01	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 17:01	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 17:01	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 17:01	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 17:01	630-20-6	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-8      Lab ID: 40122052008      Collected: 09/30/15 15:10      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 17:01	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 17:01	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 17:01	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 17:01	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/03/15 17:01	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 17:01	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/03/15 17:01	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 17:01	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:01	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/03/15 17:01	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		1		10/03/15 17:01	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/03/15 17:01	2037-26-5	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-9 Lab ID: 40122052009 Collected: 09/30/15 17:50 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Analytical Method: EPA 8260									
<b>8260 MSV</b>									
Benzene	<500	ug/L	1000	500	1000		10/06/15 09:48	71-43-2	
Bromobenzene	<230	ug/L	1000	230	1000		10/06/15 09:48	108-86-1	
Bromochloromethane	<340	ug/L	1000	340	1000		10/06/15 09:48	74-97-5	
Bromodichloromethane	<500	ug/L	1000	500	1000		10/06/15 09:48	75-27-4	
Bromoform	<500	ug/L	1000	500	1000		10/06/15 09:48	75-25-2	
Bromomethane	<2430	ug/L	5000	2430	1000		10/06/15 09:48	74-83-9	
n-Butylbenzene	<500	ug/L	1000	500	1000		10/06/15 09:48	104-51-8	
sec-Butylbenzene	<2190	ug/L	5000	2190	1000		10/06/15 09:48	135-98-8	
tert-Butylbenzene	<180	ug/L	1000	180	1000		10/06/15 09:48	98-06-6	
Carbon tetrachloride	<500	ug/L	1000	500	1000		10/06/15 09:48	56-23-5	
Chlorobenzene	<500	ug/L	1000	500	1000		10/06/15 09:48	108-90-7	
Chloroethane	<375	ug/L	1000	375	1000		10/06/15 09:48	75-00-3	
Chloroform	<2500	ug/L	5000	2500	1000		10/06/15 09:48	67-66-3	
Chloromethane	<500	ug/L	1000	500	1000		10/06/15 09:48	74-87-3	
2-Chlorotoluene	<500	ug/L	1000	500	1000		10/06/15 09:48	95-49-8	
4-Chlorotoluene	<214	ug/L	1000	214	1000		10/06/15 09:48	106-43-4	
1,2-Dibromo-3-chloropropane	<2160	ug/L	5000	2160	1000		10/06/15 09:48	96-12-8	
Dibromochloromethane	<500	ug/L	1000	500	1000		10/06/15 09:48	124-48-1	
1,2-Dibromoethane (EDB)	<178	ug/L	1000	178	1000		10/06/15 09:48	106-93-4	
Dibromomethane	<427	ug/L	1000	427	1000		10/06/15 09:48	74-95-3	
1,2-Dichlorobenzene	<500	ug/L	1000	500	1000		10/06/15 09:48	95-50-1	
1,3-Dichlorobenzene	<500	ug/L	1000	500	1000		10/06/15 09:48	541-73-1	
1,4-Dichlorobenzene	<500	ug/L	1000	500	1000		10/06/15 09:48	106-46-7	
Dichlorodifluoromethane	<224	ug/L	1000	224	1000		10/06/15 09:48	75-71-8	
1,1-Dichloroethane	<242	ug/L	1000	242	1000		10/06/15 09:48	75-34-3	
1,2-Dichloroethane	<168	ug/L	1000	168	1000		10/06/15 09:48	107-06-2	
1,1-Dichloroethene	<410	ug/L	1000	410	1000		10/06/15 09:48	75-35-4	
cis-1,2-Dichloroethene	1480	ug/L	1000	256	1000		10/06/15 09:48	156-59-2	
trans-1,2-Dichloroethene	<257	ug/L	1000	257	1000		10/06/15 09:48	156-60-5	
1,2-Dichloropropane	<233	ug/L	1000	233	1000		10/06/15 09:48	78-87-5	
1,3-Dichloropropane	<500	ug/L	1000	500	1000		10/06/15 09:48	142-28-9	
2,2-Dichloropropane	<484	ug/L	1000	484	1000		10/06/15 09:48	594-20-7	
1,1-Dichloropropene	<441	ug/L	1000	441	1000		10/06/15 09:48	563-58-6	
cis-1,3-Dichloropropene	<500	ug/L	1000	500	1000		10/06/15 09:48	10061-01-5	
trans-1,3-Dichloropropene	<230	ug/L	1000	230	1000		10/06/15 09:48	10061-02-6	
Diisopropyl ether	<500	ug/L	1000	500	1000		10/06/15 09:48	108-20-3	
Ethylbenzene	<500	ug/L	1000	500	1000		10/06/15 09:48	100-41-4	
Hexachloro-1,3-butadiene	<2110	ug/L	5000	2110	1000		10/06/15 09:48	87-68-3	
Isopropylbenzene (Cumene)	<143	ug/L	1000	143	1000		10/06/15 09:48	98-82-8	
p-Isopropyltoluene	<500	ug/L	1000	500	1000		10/06/15 09:48	99-87-6	
Methylene Chloride	<233	ug/L	1000	233	1000		10/06/15 09:48	75-09-2	
Methyl-tert-butyl ether	<174	ug/L	1000	174	1000		10/06/15 09:48	1634-04-4	
Naphthalene	<2500	ug/L	5000	2500	1000		10/06/15 09:48	91-20-3	
n-Propylbenzene	<500	ug/L	1000	500	1000		10/06/15 09:48	103-65-1	
Styrene	<500	ug/L	1000	500	1000		10/06/15 09:48	100-42-5	
1,1,1,2-Tetrachloroethane	<181	ug/L	1000	181	1000		10/06/15 09:48	630-20-6	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-9 Lab ID: 40122052009 Collected: 09/30/15 17:50 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<249	ug/L	1000	249	1000		10/06/15 09:48	79-34-5	
Tetrachloroethene	81800	ug/L	1000	500	1000		10/06/15 09:48	127-18-4	
Toluene	<500	ug/L	1000	500	1000		10/06/15 09:48	108-88-3	
1,2,3-Trichlorobenzene	<2130	ug/L	5000	2130	1000		10/06/15 09:48	87-61-6	
1,2,4-Trichlorobenzene	<2210	ug/L	5000	2210	1000		10/06/15 09:48	120-82-1	
1,1,1-Trichloroethane	<500	ug/L	1000	500	1000		10/06/15 09:48	71-55-6	
1,1,2-Trichloroethane	<197	ug/L	1000	197	1000		10/06/15 09:48	79-00-5	
Trichloroethene	1190	ug/L	1000	331	1000		10/06/15 09:48	79-01-6	
Trichlorofluoromethane	<185	ug/L	1000	185	1000		10/06/15 09:48	75-69-4	
1,2,3-Trichloropropane	<500	ug/L	1000	500	1000		10/06/15 09:48	96-18-4	
1,2,4-Trimethylbenzene	<500	ug/L	1000	500	1000		10/06/15 09:48	95-63-6	
1,3,5-Trimethylbenzene	<500	ug/L	1000	500	1000		10/06/15 09:48	108-67-8	
Vinyl chloride	<176	ug/L	1000	176	1000		10/06/15 09:48	75-01-4	
m&p-Xylene	<1000	ug/L	2000	1000	1000		10/06/15 09:48	179601-23-1	
o-Xylene	<500	ug/L	1000	500	1000		10/06/15 09:48	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1000		10/06/15 09:48	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1000		10/06/15 09:48	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1000		10/06/15 09:48	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-10 Lab ID: 40122052010 Collected: 09/30/15 17:05 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		10/05/15 20:48	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		10/05/15 20:48	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		10/05/15 20:48	74-83-9	
n-Butylbenzene	6.1J	ug/L	10.0	5.0	10		10/05/15 20:48	104-51-8	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		10/05/15 20:48	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		10/05/15 20:48	98-06-6	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		10/05/15 20:48	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		10/05/15 20:48	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	74-87-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		10/05/15 20:48	106-43-4	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		10/05/15 20:48	96-12-8	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	124-48-1	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		10/05/15 20:48	106-93-4	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		10/05/15 20:48	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:46	95-50-1	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	541-73-1	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	106-46-7	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		10/05/15 20:48	75-71-8	
1,1-Dichloroethane	<2.4	ug/L	10.0	2.4	10		10/05/15 20:48	75-34-3	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		10/05/15 20:48	107-06-2	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		10/05/15 20:48	75-35-4	
cis-1,2-Dichloroethene	777	ug/L	10.0	2.6	10		10/05/15 20:48	156-59-2	
trans-1,2-Dichloroethene	14.2	ug/L	10.0	2.6	10		10/05/15 20:48	156-60-5	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		10/05/15 20:48	78-87-5	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	142-28-9	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		10/05/15 20:48	594-20-7	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		10/05/15 20:48	563-58-6	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		10/05/15 20:48	10061-02-6	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	108-20-3	
Ethylbenzene	326	ug/L	10.0	5.0	10		10/05/15 20:48	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		10/05/15 20:48	87-68-3	
Isopropylbenzene (Cumene)	18.8	ug/L	10.0	1.4	10		10/05/15 20:48	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	99-87-6	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		10/05/15 20:48	75-09-2	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		10/05/15 20:48	1634-04-4	
Naphthalene	54.2	ug/L	50.0	25.0	10		10/05/15 20:48	91-20-3	
n-Propylbenzene	40.9	ug/L	10.0	5.0	10		10/05/15 20:48	103-65-1	
Styrene	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	100-42-5	
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		10/05/15 20:48	630-20-6	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-10 Lab ID: 40122052010 Collected: 09/30/15 17:05 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		10/05/15 20:48	79-34-5	
Tetrachloroethene	583	ug/L	10.0	5.0	10		10/05/15 20:48	127-18-4	
Toluene	65.5	ug/L	10.0	5.0	10		10/05/15 20:48	108-88-3	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		10/05/15 20:48	87-61-6	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		10/05/15 20:48	120-82-1	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	71-55-6	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		10/05/15 20:48	79-00-5	
Trichloroethene	363	ug/L	10.0	3.3	10		10/05/15 20:48	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		10/05/15 20:48	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		10/05/15 20:48	96-18-4	
1,2,4-Trimethylbenzene	454	ug/L	10.0	5.0	10		10/05/15 20:48	95-63-6	
1,3,5-Trimethylbenzene	32.7	ug/L	10.0	5.0	10		10/05/15 20:48	108-67-8	
Vinyl chloride	37.5	ug/L	10.0	1.8	10		10/05/15 20:48	75-01-4	
m&p-Xylene	688	ug/L	20.0	10.0	10		10/05/15 20:48	179601-23-1	
o-Xylene	107	ug/L	10.0	5.0	10		10/05/15 20:48	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/03/15 17:46	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		10/03/15 17:46	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		10/03/15 17:46	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-11 Lab ID: 40122052011 Collected: 09/30/15 12:25 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 15:47	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 15:47	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 15:47	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 15:47	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 15:47	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 15:47	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 15:47	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 15:47	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 15:47	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 15:47	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 15:47	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 15:47	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 15:47	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 15:47	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/03/15 15:47	75-35-4	
cis-1,2-Dichloroethene	63.6	ug/L	1.0	0.26	1		10/03/15 15:47	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 15:47	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 15:47	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 15:47	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 15:47	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 15:47	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 15:47	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 15:47	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 15:47	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 15:47	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 15:47	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 15:47	630-20-6	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-11 Lab ID: 40122052011 Collected: 09/30/15 12:25 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 15:47	79-34-5	
Tetrachloroethene	268	ug/L	1.0	0.50	1		10/03/15 15:47	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 15:47	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 15:47	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 15:47	79-00-5	
Trichloroethene	96.8	ug/L	1.0	0.33	1		10/03/15 15:47	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 15:47	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	108-67-8	
Vinyl chloride	77.0	ug/L	1.0	0.18	1		10/03/15 15:47	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 15:47	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 15:47	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		10/03/15 15:47	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		10/03/15 15:47	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		10/03/15 15:47	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-12 Lab ID: 40122052012 Collected: 09/30/15 13:20 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 16:09	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 16:09	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 16:09	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 16:09	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 16:09	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 16:09	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 16:09	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 16:09	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 16:09	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 16:09	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 16:09	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 16:09	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 16:09	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 16:09	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/03/15 16:09	75-35-4	
cis-1,2-Dichloroethene	1.9	ug/L	1.0	0.26	1		10/03/15 16:09	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 16:09	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 16:09	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 16:09	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 16:09	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 16:09	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 16:09	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 16:09	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 16:09	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 16:09	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 16:09	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 16:09	630-20-6	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-12 Lab ID: 40122052012 Collected: 09/30/15 13:20 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 16:09	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/05/15 08:39	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 16:09	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 16:09	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 16:09	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/03/15 16:09	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 16:09	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	108-67-8	
Vinyl chloride	5.8	ug/L	1.0	0.18	1		10/03/15 16:09	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 16:09	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:09	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/05/15 08:39	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		10/05/15 08:39	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		10/05/15 08:39	2037-26-5	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-13 Lab ID: 40122052013 Collected: 09/30/15 11:40 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 16:30	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 16:30	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 16:30	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 16:30	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 16:30	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 16:30	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 16:30	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 16:30	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 16:30	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 16:30	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 16:30	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 16:30	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 16:30	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 16:30	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/03/15 16:30	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 16:30	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 16:30	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 16:30	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 16:30	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 16:30	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 16:30	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 16:30	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 16:30	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 16:30	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 16:30	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 16:30	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 16:30	630-20-6	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-13      Lab ID: 40122052013      Collected: 09/30/15 11:40      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 16:30	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 16:30	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 16:30	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 16:30	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/03/15 16:30	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 16:30	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/03/15 16:30	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 16:30	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:30	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/03/15 16:30	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/03/15 16:30	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		10/03/15 16:30	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-14      Lab ID: 40122052014      Collected: 09/30/15 12:00      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 16:52	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 16:52	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 16:52	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 16:52	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 16:52	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 16:52	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 16:52	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 16:52	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 16:52	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 16:52	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 16:52	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 16:52	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 16:52	75-34-3	
1,2-Dichloroethane	0.49J	ug/L	1.0	0.17	1		10/03/15 16:52	107-06-2	
1,1-Dichloroethene	2.6	ug/L	1.0	0.41	1		10/03/15 16:52	75-35-4	
cis-1,2-Dichloroethene	652	ug/L	10.0	2.6	10		10/05/15 09:44	156-59-2	
trans-1,2-Dichloroethene	35.4	ug/L	1.0	0.26	1		10/03/15 16:52	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 16:52	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 16:52	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 16:52	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 16:52	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 16:52	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 16:52	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 16:52	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 16:52	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 16:52	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 16:52	630-20-6	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: SMW-14 Lab ID: 40122052014 Collected: 09/30/15 12:00 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 16:52	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 16:52	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 16:52	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 16:52	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/03/15 16:52	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 16:52	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	108-67-8	
Vinyl chloride	38.6	ug/L	1.0	0.18	1		10/03/15 16:52	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 16:52	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 16:52	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		10/03/15 16:52	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		10/03/15 16:52	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		10/03/15 16:52	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: MW-1 Lab ID: 40122052015 Collected: 09/30/15 16:15 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 17:14	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 17:14	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 17:14	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 17:14	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 17:14	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 17:14	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 17:14	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 17:14	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 17:14	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 17:14	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 17:14	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 17:14	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 17:14	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 17:14	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/03/15 17:14	75-35-4	
cis-1,2-Dichloroethene	6.0	ug/L	1.0	0.26	1		10/03/15 17:14	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 17:14	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 17:14	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 17:14	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 17:14	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 17:14	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 17:14	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 17:14	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 17:14	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 17:14	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 17:14	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 17:14	630-20-6	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: MW-1 Lab ID: 40122052015 Collected: 09/30/15 16:15 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 17:14	79-34-5	
Tetrachloroethene	6.8	ug/L	1.0	0.50	1		10/03/15 17:14	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 17:14	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 17:14	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 17:14	79-00-5	
Trichloroethene	12.8	ug/L	1.0	0.33	1		10/03/15 17:14	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 17:14	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	108-67-8	
Vinyl chloride	0.87J	ug/L	1.0	0.18	1		10/03/15 17:14	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 17:14	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:14	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		10/03/15 17:14	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		10/03/15 17:14	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		10/03/15 17:14	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: MW-2 Lab ID: 40122052016 Collected: 09/30/15 13:40 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 17:36	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 17:36	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 17:36	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 17:36	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 17:36	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 17:36	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 17:36	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 17:36	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 17:36	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 17:36	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 17:36	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 17:36	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 17:36	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 17:36	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/03/15 17:36	75-35-4	
cis-1,2-Dichloroethene	0.26J	ug/L	1.0	0.26	1		10/03/15 17:36	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 17:36	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 17:36	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 17:36	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 17:36	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 17:36	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 17:36	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 17:36	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 17:36	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 17:36	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 17:36	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 17:36	630-20-6	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: MW-2 Lab ID: 40122052016 Collected: 09/30/15 13:40 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 17:36	79-34-5	
Tetrachloroethene	0.95J	ug/L	1.0	0.50	1		10/03/15 17:36	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 17:36	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 17:36	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 17:36	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/03/15 17:36	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 17:36	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/03/15 17:36	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 17:36	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:36	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		10/03/15 17:36	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/03/15 17:36	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		10/03/15 17:36	2037-26-5	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: MW-3 Lab ID: 40122052017 Collected: 09/30/15 16:30 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	4.0	ug/L	1.0	0.50	1		10/03/15 17:58	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 17:58	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 17:58	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 17:58	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 17:58	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 17:58	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 17:58	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 17:58	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 17:58	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 17:58	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 17:58	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 17:58	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 17:58	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 17:58	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 17:58	107-06-2	
1,1-Dichloroethene	3.5	ug/L	1.0	0.41	1		10/03/15 17:58	75-35-4	
cis-1,2-Dichloroethene	1200	ug/L	10.0	2.6	10		10/05/15 10:06	156-59-2	
trans-1,2-Dichloroethene	29.4	ug/L	1.0	0.26	1		10/03/15 17:58	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 17:58	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 17:58	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 17:58	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 17:58	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	108-20-3	
Ethylbenzene	1.4	ug/L	1.0	0.50	1		10/03/15 17:58	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 17:58	87-68-3	
Isopropylbenzene (Cumene)	2.2	ug/L	1.0	0.14	1		10/03/15 17:58	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 17:58	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 17:58	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 17:58	91-20-3	
n-Propylbenzene	0.61J	ug/L	1.0	0.50	1		10/03/15 17:58	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 17:58	630-20-6	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS

Pace Project No.: 40122052

Sample: MW-3 Lab ID: 40122052017 Collected: 09/30/15 16:30 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 17:58	79-34-5	
Tetrachloroethene	240	ug/L	1.0	0.50	1		10/03/15 17:58	127-18-4	
Toluene	0.60J	ug/L	1.0	0.50	1		10/03/15 17:58	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 17:58	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 17:58	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 17:58	79-00-5	
Trichloroethene	677	ug/L	10.0	3.3	10		10/05/15 10:06	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 17:58	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	108-67-8	
Vinyl chloride	90.6	ug/L	1.0	0.18	1		10/03/15 17:58	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 17:58	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 17:58	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/03/15 17:58	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/03/15 17:58	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		10/03/15 17:58	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: PZ-1 Lab ID: 40122052018 Collected: 09/30/15 14:25 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 18:20	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 18:20	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 18:20	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 18:20	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 18:20	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 18:20	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 18:20	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 18:20	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 18:20	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 18:20	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 18:20	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 18:20	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 18:20	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 18:20	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/03/15 18:20	75-35-4	
cis-1,2-Dichloroethene	0.36J	ug/L	1.0	0.26	1		10/05/15 09:01	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 18:20	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 18:20	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 18:20	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 18:20	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 18:20	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 18:20	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 18:20	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 18:20	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 18:20	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 18:20	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 18:20	630-20-6	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: PZ-1 Lab ID: 40122052018 Collected: 09/30/15 14:25 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 18:20	79-34-5	
Tetrachloroethene	2.9	ug/L	1.0	0.50	1		10/05/15 09:01	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 18:20	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 18:20	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 18:20	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/05/15 09:01	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 18:20	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/03/15 18:20	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 18:20	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:20	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/05/15 09:01	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		10/05/15 09:01	1868-53-7	
Toluene-d8 (S)	110	%	70-130		1		10/05/15 09:01	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: PZ-2 Lab ID: 40122052019 Collected: 09/30/15 14:00 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 18:42	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 18:42	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 18:42	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 18:42	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 18:42	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 18:42	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 18:42	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 18:42	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 18:42	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 18:42	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 18:42	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 18:42	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 18:42	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 18:42	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/03/15 18:42	75-35-4	
cis-1,2-Dichloroethene	6.3	ug/L	1.0	0.26	1		10/05/15 09:23	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 18:42	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 18:42	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 18:42	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 18:42	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 18:42	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 18:42	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 18:42	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 18:42	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 18:42	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 18:42	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 18:42	630-20-6	

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### ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: PZ-2      Lab ID: 40122052019      Collected: 09/30/15 14:00      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 18:42	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/05/15 09:23	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 18:42	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 18:42	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 18:42	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/05/15 09:23	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 18:42	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	108-67-8	
Vinyl chloride	2.6	ug/L	1.0	0.18	1		10/03/15 18:42	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 18:42	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 18:42	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/05/15 09:23	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		10/05/15 09:23	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		10/05/15 09:23	2037-26-5	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Sample: TRIP BLANK Lab ID: 40122052020 Collected: 09/30/15 00:00 Received: 10/01/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/03/15 14:41	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/03/15 14:41	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/03/15 14:41	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 14:41	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/03/15 14:41	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/03/15 14:41	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/03/15 14:41	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/03/15 14:41	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/03/15 14:41	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/03/15 14:41	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/03/15 14:41	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/03/15 14:41	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/15 14:41	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/03/15 14:41	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/03/15 14:41	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 14:41	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/15 14:41	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/03/15 14:41	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/03/15 14:41	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/03/15 14:41	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/03/15 14:41	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/03/15 14:41	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/03/15 14:41	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/03/15 14:41	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/03/15 14:41	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/03/15 14:41	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/03/15 14:41	630-20-6	

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## ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS

Pace Project No.: 40122052

Sample: TRIP BLANK      Lab ID: 40122052020      Collected: 09/30/15 00:00      Received: 10/01/15 15:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/03/15 14:41	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/03/15 14:41	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/03/15 14:41	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/03/15 14:41	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/03/15 14:41	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/03/15 14:41	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/03/15 14:41	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/03/15 14:41	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/03/15 14:41	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		10/03/15 14:41	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		10/03/15 14:41	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		10/03/15 14:41	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

QC Batch: MSV/30455 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40122052001, 40122052002, 40122052003, 40122052004, 40122052005, 40122052006, 40122052007, 40122052008, 40122052009, 40122052010

METHOD BLANK: 1231796 Matrix: Water  
Associated Lab Samples: 40122052001, 40122052002, 40122052003, 40122052004, 40122052005, 40122052006, 40122052007, 40122052008, 40122052009, 40122052010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/03/15 11:02	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/03/15 11:02	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/03/15 11:02	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/03/15 11:02	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/03/15 11:02	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/03/15 11:02	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/03/15 11:02	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/03/15 11:02	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/03/15 11:02	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/03/15 11:02	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/03/15 11:02	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/03/15 11:02	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/03/15 11:02	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/03/15 11:02	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/03/15 11:02	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/03/15 11:02	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/03/15 11:02	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/03/15 11:02	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/03/15 11:02	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/03/15 11:02	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/03/15 11:02	
2-Chlorotoluene	ug/L	<0.50	1.0	10/03/15 11:02	
4-Chlorotoluene	ug/L	<0.21	1.0	10/03/15 11:02	
Benzene	ug/L	<0.50	1.0	10/03/15 11:02	
Bromobenzene	ug/L	<0.23	1.0	10/03/15 11:02	
Bromochloromethane	ug/L	<0.34	1.0	10/03/15 11:02	
Bromodichloromethane	ug/L	<0.50	1.0	10/03/15 11:02	
Bromoform	ug/L	<0.50	1.0	10/03/15 11:02	
Bromomethane	ug/L	<2.4	5.0	10/03/15 11:02	
Carbon tetrachloride	ug/L	<0.50	1.0	10/03/15 11:02	
Chlorobenzene	ug/L	<0.50	1.0	10/03/15 11:02	
Chloroethane	ug/L	<0.37	1.0	10/03/15 11:02	
Chloroform	ug/L	<2.5	5.0	10/03/15 11:02	
Chloromethane	ug/L	<0.50	1.0	10/03/15 11:02	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/03/15 11:02	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/03/15 11:02	
Dibromochloromethane	ug/L	<0.50	1.0	10/03/15 11:02	
Dibromomethane	ug/L	<0.43	1.0	10/03/15 11:02	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/03/15 11:02	
Diisopropyl ether	ug/L	<0.50	1.0	10/03/15 11:02	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

METHOD BLANK: 1231796

Matrix: Water

Associated Lab Samples: 40122052001, 40122052002, 40122052003, 40122052004, 40122052005, 40122052006, 40122052007, 40122052008, 40122052009, 40122052010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	10/03/15 11:02	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/03/15 11:02	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/03/15 11:02	
m&p-Xylene	ug/L	<1.0	2.0	10/03/15 11:02	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/03/15 11:02	
Methylene Chloride	ug/L	<0.23	1.0	10/03/15 11:02	
n-Butylbenzene	ug/L	<0.50	1.0	10/03/15 11:02	
n-Propylbenzene	ug/L	<0.50	1.0	10/03/15 11:02	
Naphthalene	ug/L	<2.5	5.0	10/03/15 11:02	
o-Xylene	ug/L	<0.50	1.0	10/03/15 11:02	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/03/15 11:02	
sec-Butylbenzene	ug/L	<2.2	5.0	10/03/15 11:02	
Styrene	ug/L	<0.50	1.0	10/03/15 11:02	
tert-Butylbenzene	ug/L	<0.18	1.0	10/03/15 11:02	
Tetrachloroethene	ug/L	<0.50	1.0	10/03/15 11:02	
Toluene	ug/L	<0.50	1.0	10/03/15 11:02	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/03/15 11:02	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/03/15 11:02	
Trichloroethene	ug/L	<0.33	1.0	10/03/15 11:02	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/03/15 11:02	
Vinyl chloride	ug/L	<0.18	1.0	10/03/15 11:02	
4-Bromofluorobenzene (S)	%	94	70-130	10/03/15 11:02	
Dibromofluoromethane (S)	%	100	70-130	10/03/15 11:02	
Toluene-d8 (S)	%	98	70-130	10/03/15 11:02	

LABORATORY CONTROL SAMPLE: 1231797

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	60.1	120	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	54.1	108	70-130	
1,1,2-Trichloroethane	ug/L	50	55.7	111	70-130	
1,1-Dichloroethane	ug/L	50	56.6	113	70-130	
1,1-Dichloroethene	ug/L	50	54.8	110	70-130	
1,2,4-Trichlorobenzene	ug/L	50	55.4	111	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.6	95	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	57.2	114	70-130	
1,2-Dichlorobenzene	ug/L	50	53.5	107	70-130	
1,2-Dichloroethane	ug/L	50	59.4	119	70-131	
1,2-Dichloropropane	ug/L	50	55.2	110	70-130	
1,3-Dichlorobenzene	ug/L	50	52.9	106	70-130	
1,4-Dichlorobenzene	ug/L	50	52.0	104	70-130	
Benzene	ug/L	50	60.6	121	70-130	
Bromodichloromethane	ug/L	50	56.1	112	70-130	

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### QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

LABORATORY CONTROL SAMPLE: 1231797

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	55.5	111	68-130	
Bromomethane	ug/L	50	46.4	93	38-137	
Carbon tetrachloride	ug/L	50	56.9	114	70-130	
Chlorobenzene	ug/L	50	56.1	112	70-130	
Chloroethane	ug/L	50	50.8	102	70-136	
Chloroform	ug/L	50	57.8	116	70-130	
Chloromethane	ug/L	50	55.8	112	48-144	
cis-1,2-Dichloroethene	ug/L	50	54.9	110	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.6	99	70-130	
Dibromochloromethane	ug/L	50	56.5	113	70-130	
Dichlorodifluoromethane	ug/L	50	49.6	99	33-157	
Ethylbenzene	ug/L	50	58.3	117	70-132	
Isopropylbenzene (Cumene)	ug/L	50	59.1	118	70-130	
m&p-Xylene	ug/L	100	117	117	70-131	
Methyl-tert-butyl ether	ug/L	50	55.2	110	48-141	
Methylene Chloride	ug/L	50	55.6	111	70-130	
o-Xylene	ug/L	50	57.8	116	70-131	
Styrene	ug/L	50	54.6	109	70-130	
Tetrachloroethene	ug/L	50	56.9	114	70-130	
Toluene	ug/L	50	57.0	114	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.9	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.7	99	70-130	
Trichloroethene	ug/L	50	56.8	114	70-130	
Trichlorofluoromethane	ug/L	50	57.1	114	50-150	
Vinyl chloride	ug/L	50	55.8	112	65-142	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1231941 1231942

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40122052005 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	58.3	58.9	117	118	70-130	1	20
1,1,1,2-Tetrachloroethane	ug/L	<0.25	50	50	53.8	53.2	108	106	70-130	1	20
1,1,2-Trichloroethane	ug/L	<0.20	50	50	54.9	55.0	110	110	70-130	0	20
1,1-Dichloroethane	ug/L	<0.24	50	50	55.2	55.5	110	111	70-134	1	20
1,1-Dichloroethene	ug/L	<0.41	50	50	53.7	54.2	107	108	70-139	1	20
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	52.7	53.3	105	107	70-130	1	20
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	48.9	49.4	98	99	50-150	1	20
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	55.8	55.8	112	112	70-130	0	20
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.8	52.8	104	106	70-130	2	20
1,2-Dichloroethane	ug/L	<0.17	50	50	57.7	57.8	115	116	70-132	0	20
1,2-Dichloropropane	ug/L	<0.23	50	50	54.6	55.5	109	111	70-130	2	20

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### QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1231941		1231942		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40122052005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,3-Dichlorobenzene	ug/L	<0.50	50	50	51.2	51.5	102	103	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	50.5	51.2	101	102	70-130	1	20	
Benzene	ug/L	<0.50	50	50	58.9	59.0	118	118	70-130	0	20	
Bromodichloromethane	ug/L	<0.50	50	50	54.4	55.4	109	111	70-132	2	20	
Bromoform	ug/L	<0.50	50	50	55.1	55.7	110	111	68-130	1	20	
Bromomethane	ug/L	<2.4	50	50	49.2	51.5	98	103	38-141	5	20	
Carbon tetrachloride	ug/L	<0.50	50	50	62.7	55.5	125	111	70-130	12	20	
Chlorobenzene	ug/L	<0.50	50	50	54.2	55.1	108	110	70-130	2	20	
Chloroethane	ug/L	<0.37	50	50	49.2	49.0	98	98	66-152	0	20	
Chloroform	ug/L	<2.5	50	50	56.5	56.8	113	114	70-130	1	20	
Chloromethane	ug/L	<0.50	50	50	54.6	54.0	109	108	44-151	1	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	52.3	53.2	105	106	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	48.5	49.4	97	99	70-130	2	20	
Dibromochloromethane	ug/L	<0.50	50	50	55.1	55.6	110	111	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	48.1	47.8	96	96	29-160	1	20	
Ethylbenzene	ug/L	<0.50	50	50	56.2	57.3	112	115	70-132	2	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	56.6	57.7	113	115	70-130	2	20	
m&p-Xylene	ug/L	<1.0	100	100	112	114	112	114	70-131	2	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	54.0	53.6	108	107	48-143	1	20	
Methylene Chloride	ug/L	<0.23	50	50	54.0	54.5	108	109	70-130	1	20	
o-Xylene	ug/L	<0.50	50	50	55.6	56.7	111	113	70-131	2	20	
Styrene	ug/L	<0.50	50	50	52.6	53.4	105	107	70-130	2	20	
Tetrachloroethene	ug/L	<0.50	50	50	55.0	55.8	110	111	70-130	1	20	
Toluene	ug/L	<0.50	50	50	55.4	56.1	111	112	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	54.0	54.3	108	109	70-132	1	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	48.8	49.3	98	99	70-130	1	20	
Trichloroethene	ug/L	<0.33	50	50	54.9	55.9	110	112	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	55.7	56.1	111	112	50-153	1	20	
Vinyl chloride	ug/L	<0.18	50	50	55.3	55.1	111	110	60-155	0	20	
4-Bromofluorobenzene (S)	%						99	101	70-130			
Dibromofluoromethane (S)	%						105	102	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

QC Batch: MSV/30456 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40122052011, 40122052012, 40122052013, 40122052014, 40122052015, 40122052016, 40122052017, 40122052018, 40122052019, 40122052020

METHOD BLANK: 1231798 Matrix: Water  
Associated Lab Samples: 40122052011, 40122052012, 40122052013, 40122052014, 40122052015, 40122052016, 40122052017, 40122052018, 40122052019, 40122052020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/03/15 11:47	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/03/15 11:47	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/03/15 11:47	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/03/15 11:47	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/03/15 11:47	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/03/15 11:47	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/03/15 11:47	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/03/15 11:47	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/03/15 11:47	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/03/15 11:47	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/03/15 11:47	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/03/15 11:47	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/03/15 11:47	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/03/15 11:47	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/03/15 11:47	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/03/15 11:47	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/03/15 11:47	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/03/15 11:47	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/03/15 11:47	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/03/15 11:47	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/03/15 11:47	
2-Chlorotoluene	ug/L	<0.50	1.0	10/03/15 11:47	
4-Chlorotoluene	ug/L	<0.21	1.0	10/03/15 11:47	
Benzene	ug/L	<0.50	1.0	10/03/15 11:47	
Bromobenzene	ug/L	<0.23	1.0	10/03/15 11:47	
Bromochloromethane	ug/L	<0.34	1.0	10/03/15 11:47	
Bromodichloromethane	ug/L	<0.50	1.0	10/03/15 11:47	
Bromoform	ug/L	<0.50	1.0	10/03/15 11:47	
Bromomethane	ug/L	<2.4	5.0	10/03/15 11:47	
Carbon tetrachloride	ug/L	<0.50	1.0	10/03/15 11:47	
Chlorobenzene	ug/L	<0.50	1.0	10/03/15 11:47	
Chloroethane	ug/L	<0.37	1.0	10/03/15 11:47	
Chloroform	ug/L	<2.5	5.0	10/03/15 11:47	
Chloromethane	ug/L	<0.50	1.0	10/03/15 11:47	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/03/15 11:47	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/03/15 11:47	
Dibromochloromethane	ug/L	<0.50	1.0	10/03/15 11:47	
Dibromomethane	ug/L	<0.43	1.0	10/03/15 11:47	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/03/15 11:47	
Diisopropyl ether	ug/L	<0.50	1.0	10/03/15 11:47	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

METHOD BLANK: 1231798 Matrix: Water  
Associated Lab Samples: 40122052011, 40122052012, 40122052013, 40122052014, 40122052015, 40122052016, 40122052017, 40122052018, 40122052019, 40122052020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	10/03/15 11:47	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/03/15 11:47	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/03/15 11:47	
m&p-Xylene	ug/L	<1.0	2.0	10/03/15 11:47	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/03/15 11:47	
Methylene Chloride	ug/L	<0.23	1.0	10/03/15 11:47	
n-Butylbenzene	ug/L	<0.50	1.0	10/03/15 11:47	
n-Propylbenzene	ug/L	<0.50	1.0	10/03/15 11:47	
Naphthalene	ug/L	<2.5	5.0	10/03/15 11:47	
o-Xylene	ug/L	<0.50	1.0	10/03/15 11:47	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/03/15 11:47	
sec-Butylbenzene	ug/L	<2.2	5.0	10/03/15 11:47	
Styrene	ug/L	<0.50	1.0	10/03/15 11:47	
tert-Butylbenzene	ug/L	<0.18	1.0	10/03/15 11:47	
Tetrachloroethene	ug/L	<0.50	1.0	10/03/15 11:47	
Toluene	ug/L	<0.50	1.0	10/03/15 11:47	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/03/15 11:47	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/03/15 11:47	
Trichloroethene	ug/L	<0.33	1.0	10/03/15 11:47	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/03/15 11:47	
Vinyl chloride	ug/L	<0.18	1.0	10/03/15 11:47	
4-Bromofluorobenzene (S)	%	105	70-130	10/03/15 11:47	
Dibromofluoromethane (S)	%	102	70-130	10/03/15 11:47	
Toluene-d8 (S)	%	105	70-130	10/03/15 11:47	

LABORATORY CONTROL SAMPLE: 1231799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.6	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	70-130	
1,1,2-Trichloroethane	ug/L	50	55.2	110	70-130	
1,1-Dichloroethane	ug/L	50	54.0	108	70-130	
1,1-Dichloroethene	ug/L	50	48.1	96	70-130	
1,2,4-Trichlorobenzene	ug/L	50	46.2	92	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.1	98	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	50.3	101	70-130	
1,2-Dichlorobenzene	ug/L	50	45.0	90	70-130	
1,2-Dichloroethane	ug/L	50	63.0	126	70-131	
1,2-Dichloropropane	ug/L	50	51.1	102	70-130	
1,3-Dichlorobenzene	ug/L	50	48.0	96	70-130	
1,4-Dichlorobenzene	ug/L	50	45.9	92	70-130	
Benzene	ug/L	50	50.1	100	70-130	
Bromodichloromethane	ug/L	50	55.6	111	70-130	

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### QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

LABORATORY CONTROL SAMPLE: 1231799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	47.4	95	68-130	
Bromomethane	ug/L	50	36.5	73	38-137	
Carbon tetrachloride	ug/L	50	52.2	104	70-130	
Chlorobenzene	ug/L	50	47.8	96	70-130	
Chloroethane	ug/L	50	51.2	102	70-136	
Chloroform	ug/L	50	57.2	114	70-130	
Chloromethane	ug/L	50	40.6	81	48-144	
cis-1,2-Dichloroethene	ug/L	50	48.2	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.5	103	70-130	
Dibromochloromethane	ug/L	50	49.1	98	70-130	
Dichlorodifluoromethane	ug/L	50	41.3	83	33-157	
Ethylbenzene	ug/L	50	55.2	110	70-132	
Isopropylbenzene (Cumene)	ug/L	50	54.6	109	70-130	
m&p-Xylene	ug/L	100	102	102	70-131	
Methyl-tert-butyl ether	ug/L	50	48.6	97	48-141	
Methylene Chloride	ug/L	50	50.9	102	70-130	
o-Xylene	ug/L	50	48.8	98	70-131	
Styrene	ug/L	50	53.2	106	70-130	
Tetrachloroethene	ug/L	50	50.4	101	70-130	
Toluene	ug/L	50	52.7	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	50.0	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.7	105	70-130	
Trichloroethene	ug/L	50	53.8	108	70-130	
Trichlorofluoromethane	ug/L	50	59.0	118	50-150	
Vinyl chloride	ug/L	50	43.5	87	65-142	
4-Bromofluorobenzene (S)	%			112	70-130	
Dibromofluoromethane (S)	%			107	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1231950 1231951

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40122095003 Result	Spike Conc.	Spike Conc.	Result							Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	59.5	58.7	119	117	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	54.3	52.7	109	105	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	57.2	57.3	114	115	70-130	0	20	
1,1-Dichloroethane	ug/L	0.97J	50	50	57.2	56.3	112	111	70-134	2	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	49.5	48.8	99	98	70-139	1	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	49.5	47.0	99	94	70-130	5	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	52.0	48.2	104	96	50-150	8	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	54.1	53.1	108	106	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	47.4	47.1	95	94	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	66.7	66.9	133	134	70-132	0	20	M1
1,2-Dichloropropane	ug/L	<0.23	50	50	55.0	53.5	110	107	70-130	3	20	

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### QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS

Pace Project No.: 40122052

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1231950		1231951		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
		40122095003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.0	48.0	100	96	70-130	4	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	48.5	48.3	97	97	70-130	0	20		
Benzene	ug/L	<0.50	50	50	52.7	53.1	105	106	70-130	1	20		
Bromodichloromethane	ug/L	<0.50	50	50	60.6	58.9	121	118	70-132	3	20		
Bromoform	ug/L	<0.50	50	50	49.3	48.4	99	97	68-130	2	20		
Bromomethane	ug/L	<2.4	50	50	41.8	43.4	84	87	38-141	4	20		
Carbon tetrachloride	ug/L	<0.50	50	50	55.1	55.9	110	112	70-130	1	20		
Chlorobenzene	ug/L	<0.50	50	50	50.6	49.5	101	99	70-130	2	20		
Chloroethane	ug/L	<0.37	50	50	55.7	51.9	111	104	66-152	7	20		
Chloroform	ug/L	<2.5	50	50	59.9	60.5	120	121	70-130	1	20		
Chloromethane	ug/L	<0.50	50	50	41.1	41.5	82	83	44-151	1	20		
cis-1,2-Dichloroethene	ug/L	15.3	50	50	66.7	65.3	103	100	70-130	2	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	54.8	52.4	110	105	70-130	4	20		
Dibromochloromethane	ug/L	<0.50	50	50	53.4	53.2	107	106	70-130	0	20		
Dichlorodifluoromethane	ug/L	1.6	50	50	43.1	41.1	83	79	29-160	5	20		
Ethylbenzene	ug/L	<0.50	50	50	57.2	58.0	114	116	70-132	1	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	55.9	55.3	112	111	70-130	1	20		
m&p-Xylene	ug/L	<1.0	100	100	104	103	104	103	70-131	1	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	50.4	51.1	101	102	48-143	1	20		
Methylene Chloride	ug/L	<0.23	50	50	54.5	55.0	109	110	70-130	1	20		
o-Xylene	ug/L	<0.50	50	50	52.5	49.9	105	100	70-131	5	20		
Styrene	ug/L	<0.50	50	50	54.2	53.9	108	108	70-130	0	20		
Tetrachloroethene	ug/L	1.4	50	50	53.5	52.1	104	101	70-130	3	20		
Toluene	ug/L	<0.50	50	50	56.7	54.3	113	109	70-130	4	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	50.9	53.1	102	106	70-132	4	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	56.4	56.0	113	112	70-130	1	20		
Trichloroethene	ug/L	1.4	50	50	60.2	58.1	117	113	70-130	3	20		
Trichlorofluoromethane	ug/L	0.45J	50	50	60.3	57.4	120	114	50-153	5	20		
Vinyl chloride	ug/L	<0.18	50	50	42.4	44.4	85	89	60-155	5	20		
4-Bromofluorobenzene (S)	%						111	112	70-130				
Dibromofluoromethane (S)	%						108	110	70-130				
Toluene-d8 (S)	%						103	104	70-130				

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## QUALIFIERS

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above LOD.  
J - Estimated concentration at or above the LOD and below the LOQ.  
LOD - Limit of Detection adjusted for dilution factor and percent moisture.  
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 15-1209 MASTER CLEANERS  
Pace Project No.: 40122052

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40122052001	SMW-1	EPA 8260	MSV/30455		
40122052002	SMW-2	EPA 8260	MSV/30455		
40122052003	SMW-3	EPA 8260	MSV/30455		
40122052004	SMW-4	EPA 8260	MSV/30455		
40122052005	SMW-5	EPA 8260	MSV/30455		
40122052006	SMW-6	EPA 8260	MSV/30455		
40122052007	SMW-7	EPA 8260	MSV/30455		
40122052008	SMW-8	EPA 8260	MSV/30455		
40122052009	SMW-9	EPA 8260	MSV/30455		
40122052010	SMW-10	EPA 8260	MSV/30455		
40122052011	SMW-11	EPA 8260	MSV/30456		
40122052012	SMW-12	EPA 8260	MSV/30456		
40122052013	SMW-13	EPA 8260	MSV/30456		
40122052014	SMW-14	EPA 8260	MSV/30456		
40122052015	MW-1	EPA 8260	MSV/30456		
40122052016	MW-2	EPA 8260	MSV/30456		
40122052017	MW-3	EPA 8260	MSV/30456		
40122052018	PZ-1	EPA 8260	MSV/30456		
40122052019	PZ-2	EPA 8260	MSV/30456		
40122052020	TRIP BLANK	EPA 8260	MSV/30456		

**REPORT OF LABORATORY ANALYSIS**

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

(Please Print Clearly)

Company Name: Fehr-Graham  
 Branch/Location: Plymouth, WI  
 Project Contact: Ken Ebbott  
 Phone: (920) 892-2444  
 Project Number: 15-1209  
 Project Name: Master Cleaners  
 Project State: WI  
 Sampled By (Print): Justin Schuenemann  
 Sampled By (Sign): *Justin Schuenemann*  
 PO #: \_\_\_\_\_ Regulatory Program: \_\_\_\_\_

**Data Package Options** (billable)  
 EPA Level III  
 EPA Level IV

**MS/MSD**  
 On your sample (billable)  
 NOT needed on your sample

**Matrix Codes**  
 A = Air W = Water  
 B = Biota DW = Drinking Water  
 C = Charcoal GW = Ground Water  
 O = Oil SW = Surface Water  
 S = Soil WW = Waste Water  
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	SMW-1	9/30	1450	GW
002	SMW-2		1100	
003	SMW-3		1600	
004	SMW-4		1650	
005	SMW-5		1120	
006	SMW-6		1250	
007	SMW-7		1725	
008	SMW-8		1510	
009	SMW-9		1750	
010	SMW-10		1705	
011	SMW-11		1225	
012	SMW-12		1320	
013	SMW-13		1140	



UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

40122052 Page 55 of 57

### CHAIN OF CUSTODY

**Preservation Codes**  
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Y/N	U																			
Filtered? (YES/NO)	Pres Letter																			
	B																			

**Quote #:** \_\_\_\_\_

**Mail To Contact:** Ken Ebbott

**Mail To Company:** Fehr-Graham

**Mail To Address:** 1237 Pilgrim Rd  
Plymouth, WI 53073

**Invoice To Contact:** \_\_\_\_\_

**Invoice To Company:** \_\_\_\_\_

**Invoice To Address:** % FG  
Derf Pricing  
\$50/sample

**Invoice To Phone:** \_\_\_\_\_

**CLIENT COMMENTS** **LAB COMMENTS (Lab Use Only)** **Profile #**

3-40mVB

**Rush Turnaround Time Requested - Prelims**  
 (Rush TAT subject to approval/surcharge)  
 Date Needed: \_\_\_\_\_

Transmit Prelim Rush Results by (complete what you want):

Email #1: \_\_\_\_\_  
 Email #2: \_\_\_\_\_  
 Telephone: \_\_\_\_\_  
 Fax: \_\_\_\_\_

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *Justin Schuenemann* Date/Time: 9/30/15

Relinquished By: *Thomas Vannuma Pace* Date/Time: 10/1/15 1515

Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received By: *Thomas Vannuma Pace* Date/Time: 10-1-15 1340

Received By: *Andy Pat/Pace* Date/Time: 10/1/15 1515

Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

**PACE Project No.** 40122052

Receipt Temp = *101* °C

**Sample Receipt pH**  
 OK / Adjusted

**Cooler Custody Seal**  
 Present / Not Present  
 Intact / Not Intact

(Please Print Clearly)

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436



# CHAIN OF CUSTODY

**Preservation Codes**  
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Company Name: **Fehr-Graham**  
 Branch/Location: **Plymouth, WI**  
 Project Contact: **Ken Ebbott**  
 Phone: **(920) 892-2444**  
 Project Number: **15-1209**  
 Project Name: **Master Cleaners**  
 Project State: **WI**  
 Sampled By (Print): **Justin Schueneman**  
 Sampled By (Sign): *[Signature]*  
 PO #: **Regulatory Program:**

**Data Package Options** (billable)  
 EPA Level III  
 EPA Level IV

**MS/MSD**  
 On your sample (billable)  
 NOT needed on your sample

**Matrix Codes**  
 A = Air W = Water  
 B = Biota DW = Drinking Water  
 C = Charcoal GW = Ground Water  
 O = Oil SW = Surface Water  
 S = Soil WW = Waste Water  
 Sl = Sludge WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
014	SMW-14	9/30	1200	GW
015	MW-1		1615	
016	MW-2		1340	
017	MW-3		1630	
018	PZ-1		1425	
019	PZ-2		1400	
020	① Trip Blank			

FILTERED? (YES/NO)	Y/N	PRESERVATION (CODE)*	Pick Letter	Analysis Requested
	N		B	VOC's

**Quote #:**

**Mail To Contact:** Ken Ebbott

**Mail To Company:** Fehr-Graham

**Mail To Address:** 1237. Pilgrim Rd  
Plymouth, WI 53223

**Invoice To Contact:**

**Invoice To Company:**

**Invoice To Address:** C/O FG

**Invoice To Phone:**

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	3-40-IV B	
	2-40-IV B	

**Rush Turnaround Time Requested - Prelims**  
 (Rush TAT subject to approval/surcharge)  
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:  
 Email #2:  
 Telephone:  
 Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: <i>[Signature]</i>	Date/Time: 9/30/15
Relinquished By: <i>[Signature]</i>	Date/Time: 10/1/15 1515
Relinquished By:	Date/Time:
Relinquished By:	Date/Time:

Received By: <i>[Signature]</i>	Date/Time: 10-1-15 1340
Received By: <i>[Signature]</i>	Date/Time: 10/1/15 1515
Received By:	Date/Time:
Received By:	Date/Time:

PACE Project No. 40122052

Receipt Temp = 20.5 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present (Not Present) Intact / Not Intact





Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project # WO#: 40122052

Client Name: Fehr Graham



Courier: Fed Ex UPS Client Pace Other:

Tracking #:

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: /Corr: ROI Biological Tissue is Frozen: yes

Temp Blank Present: yes no

Person examining contents:
Date: 10/1/15
Initials: CB

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows for Chain of Custody Present, Chain of Custody Filled Out, Chain of Custody Relinquished, Sampler Name & Signature on COC, Samples Arrived within Hold Time, Short Hold Time Analysis (<72hr), Rush Turn Around Time Requested, Sufficient Volume, Correct Containers Used, Containers Intact, Filtered volume received for Dissolved tests, Sample Labels match COC, All containers needing preservation have been checked, All containers needing preservation are found to be in compliance with EPA recommendation, exceptions: VOA coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER, Headspace in VOA Vials (>6mm), Trip Blank Present, Trip Blank Custody Seals Present, Pace Trip Blank Lot # (if purchased): 80315-3CLL

Client Notification/ Resolution: If checked, see attached form for additional comments
Person Contacted: Date/Time:
Comments/ Resolution:

Project Manager Review: Date: 10-2-15